NEW YORK STATE OF OPPORTUNITY. | NY Power Authority

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February 19, 2021

VIA ELECTRONIC FILING

Secretary Kimberly D. Bose
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, DC 20426

Crescent Hydroelectric Project, FERC Project No. 4678-052
Vischer Ferry Hydroelectric Project, FERC Project No. 4679-049
Initial Study Report

Dear Secretary Bose:

In accordance with 18 C.F.R § 5.15(c), the Power Authority of the State of New York (Power Authority) encloses for filing the attached Initial Study Report (ISR) for the Crescent and Vischer Ferry Hydroelectric Projects (Projects), FERC Nos. 4678 and 4679, respectively. The Federal Energy Regulatory Commission (FERC or Commission) issued licenses for both Projects on June 26, 1984, and both licenses expire on May 31, 2024.

On January 21, 2020, the Power Authority filed a Revised Study Plan (RSP). On February 20, 2020, FERC issued a Study Plan Determination (SPD) for the Projects. The February 20, 2020 SPD approved the seven studies included in the RSP and added an eighth study.

The enclosed ISR describes the Power Authority's overall progress with implementing FERC-approved study plans, schedules, and data collection. In accordance with 18 C.F.R § 5.15 (c)(2), the Power Authority will hold a public ISR Meeting with resource agencies and stakeholders to discuss the study results, as well as any proposals to modify the study plans.

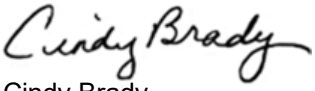
The Power Authority hereby notifies the Commission and licensing participants that due to the COVID-19 pandemic, the ISR Meeting will be held virtually using WebEx, an online meeting platform, on March 3, 2021 beginning at 10:00 AM EST. Anyone wishing to participate in the meeting is kindly asked to RSVP to: cvf.relicensing@nypa.gov on or before February 26, 2021. Log-in information will be emailed directly to interested participants.

As noted in the enclosed ISR, pursuant to 18 CFR § 5.16(c) the Power Authority is required to include in the Updated Study Report (USR) notice of its election to prepare and file a Draft License Application (DLA) in lieu of a preliminary license proposal (PLP). Because the licensing process schedule for the Projects provides for the PLP/DLA to be filed before the USR, the Power Authority hereby notifies the Commission and licensing participants of its intent to prepare a DLA in these relicensing proceedings for the Projects.

The Power Authority looks forward to continuing to work with the Commission, resource agencies, Native American nations, local governments, and members of the public on the relicensing of the Crescent and

Vischer Ferry Projects. If you have any questions regarding the ISR, please do not hesitate to contact me. In addition to filing the ISR with the Commission, the Power Authority will share the ISR with relicensing participants via posting on the Crescent and Vischer Ferry Project's relicensing website at http://www.nypa.gov/cvf.

Sincerely,



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Enclosure:

Initial Study Report

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INITIAL STUDY REPORT

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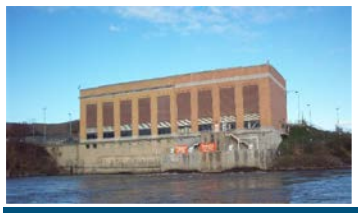
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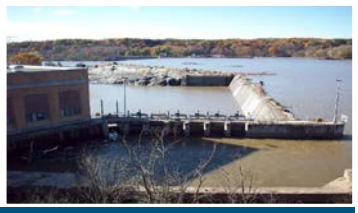
February 2021

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CRESCENT AND VISCHER FERRY PROJECTS RELICENSING

FERC NOs. 4678 AND 4679



NEW YORK STATE OF OPPORTUNITY. | NY Power Authority

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List of Acronyms

Barge Canal	New York State Barge Canal System
CVF or Projects	Crescent and Vischer Ferry Projects
CFR	Code of Federal Regulations
cfs	cubic feet per second
COVID-19	Coronavirus Disease 2019
DO	Dissolved Oxygen
FAV	Floating Aquatic Vegetation
FERC or Commission	Federal Energy Regulatory Commission
ILP	Integrated Licensing Process
ISR	Initial Study Report
MW	megawatt
NOI	Notice of Intent
NYSCC	New York State Canal Corporation
NYSDEC	New York State Department of Environmental Conservation
PAD	Pre-Application Document
Power Authority	New York Power Authority
PSP	Proposed Study Plan
RSP	Revised Study Plan
RTE	Rare, Threatened, and Endangered
SAV	Submerged Aquatic Vegetation
SPD	Study Plan Determination
USGS	United States Geological Survey
USR	Updated Study Report

1 OVERVIEW

1.1 Project Description

The Crescent and Vischer Ferry Hydroelectric Projects (FERC Nos. 4678 and 4679) (Projects) are located adjacent to one another on the Mohawk River, about 4 and 14 miles, respectively, upstream from their confluence with the Hudson River in New York. The Projects are owned and operated by the Power Authority of the State of New York (Power Authority or Licensee). The Federal Energy Regulatory Commission (FERC or Commission) issued a license for both Projects on June 26, 1984, and both licenses expire on May 31, 2024.

The upstream Project boundary of the Crescent Project is the downstream Project boundary of the Vischer Ferry Project. Both Project dams were originally constructed as part of the New York State Barge Canal System[1] (Barge Canal[2]) to 'canalize' the Mohawk River from Scotia to Crescent, providing navigable conditions for barges and vessels and facilitating water level control and lock operations.

The Crescent Project generally consists of a dam, powerhouse, impoundment, and appurtenant facilities. The Crescent Project dam was designed in 1907 and construction of the dam was completed in 1914 as part of the extensive modifications made to upgrade the original Erie Canal. In 1913, hydropower was harnessed at the site. The original powerhouse was located at the east end of Dam A and dismantled ca. 1927 when a (power, or transmission) line was strung across the river from a newly built, larger powerhouse to take its place. The current powerhouse, located on the western bank, was built in 1925 and expanded in the late 1980s. It houses two 2.8 megawatt (MW) Francis turbines and two 3.0 MW Kaplan turbines, for a total station capacity of 11.6 MW. On April 8, 1991, FERC issued an Order amending the license to an installed capacity of 11.8 MW based on actual performance.

The Vischer Ferry Project generally consists of a dam, powerhouse, impoundment, and appurtenant facilities. The dam was designed in 1907 and construction of the dam was completed in 1913 as part of the extensive modifications made to upgrade the original Erie Canal. The current powerhouse was constructed in 1925 and expanded in the 1980s. It houses two 2.8 MW Francis turbines with an installed capacity of 5.6 MW and two 3.0 MW Kaplan turbines, for a total capacity of 11.6 MW. On April 8, 1991, FERC issued an Order amending the license to an installed capacity of 11.8 MW based on actual performance.

[1] The existing New York State Barge Canal System was created following the passage of the Barge Canal Act in 1903. However, some portion of the original Erie Canal built between 1817 and 1825 still exists. For the purposes of this document, the Licensee will consistently refer to the portions of the Barge Canal or Erie Canal adjacent to the Projects as the Canal System.

[2] The Barge Canal is owned by the People of the State of New York and operated by the New York State Canal Corporation (NYSCC), which was created by the New York State Legislature in 1992 as a subsidiary of the New York State Thruway Authority (NYSTA). Prior to 1992, the operations of the Canal System fell under the New York State Department of Transportation. On January 1, 2017, the NYSCC became a subsidiary of the Power Authority (N.Y. Public Authorities Law § 1005-b).

1.2 Initial Study Report Development

The 40-year licenses for both Projects expire on May 31, 2024. In 2019, the Power Authority began the public process for seeking new licenses for the Projects. To prepare its relicensing applications, the Power Authority is using FERC's Integrated Licensing Process (ILP) as outlined in 18 Code of Federal Regulations (CFR) Part 5. In accordance with 18 C.F.R. § 5.5 and 5.6, the Power Authority filed its Notice of Intent (NOI) and Pre-Application Document (PAD) on May 3, 2019, which included the Power Authority's preliminary study plans for the Projects. These studies included: 1) a water quality study; and 2) a recreation site inventory and condition assessment. The Commission issued its Scoping Document 1 (SD1) on June 10, 2019. On July 10, 2019, the Commission conducted environmental site visits to each of the Projects in conjunction with the public scoping meetings on July 10-11, 2019 in Clifton Park, New York, where potential issues were identified by agencies, stakeholders, and the public.

Subsequently, the Power Authority received comments on the PAD and the study plans as well as requests for additional studies. The Power Authority reviewed these comments and study requests, and developed a Proposed Study Plan (PSP), which served to address and respond to all comments and requests received. The Power Authority filed the PSP with FERC on September 23, 2019. Subsequent to the PSP filing, the Power Authority held a PSP Meeting on October 23, 2019 and PSP comments were due on December 22, 2019. The Power Authority filed a Revised Study Plan (RSP) on January 21, 2020. On February 20, 2020, FERC issued a Study Plan Determination (SPD) for the Projects.

Following the first study season, FERC's regulations for the ILP require the Power Authority to "prepare and file with the Commission an initial study report describing its overall progress in implementing the study plan and schedule and the data collected, including an explanation of any variance from the study plan and schedule" (18 CFR 5.15(c)(1)). However, due to the global Coronavirus Disease 2019 (COVID-19) pandemic several of the first season studies were delayed or postponed to 2021. The purpose of this document is to describe the overall progress in implementing the FERC-approved study plans, schedules, and data collection, including explanations of any variances. Accordingly, the Power Authority is submitting for Commission review this Initial Study Report (ISR) for the Projects which includes study reports for five of the eight studies that were completed in 2020. Updates on the status of the other three studies are also provided herein.

1.3 Study Plan Implementation Summary

The February 20, 2020 SPD approved seven studies included in the RSP for the Projects and added an eighth study. The list of first season studies proposed in the RSP and/or added by FERC in the SPD is as follows:

1. Water Quality Study (Appendix A)
2. Fish Entrainment Study (Appendix B)
3. Blueback Herring Downstream Migration Study (Appendix C)
4. Fish Community Study (Appendix D)
5. Aquatic Mesohabitat Study (Appendix E)

6. Bald Eagle Study (Update)
7. Recreation Study (Update)
8. American Eel Study (Update)

Of these, three studies were significantly delayed or postponed until 2021 due to the global pandemic, including portions of the Bald Eagle Study, the Recreation Study, and the American Eel Study. The changes to the proposed study schedule were discussed with the resource agencies in a joint call held on April 8, 2020. A summary of that call is included in Appendix F. The other five studies were carried out in full during the 2020 study season. Thus, in accordance with the FERC-approved study plan, the Power Authority has completed five of the eight first season studies, and the final technical reports for these studies are included in this ISR.

The other three studies are either ongoing as of the date of this ISR and will continue into the second study season or will be conducted in 2021. Section 2.0 of this document provides a progress report for each FERC-approved relicensing study. For studies that have not yet been completed, the technical reports containing results of each study will be filed with FERC as part of the Updated Study Report (USR) in February 2022.

1.4 Next Steps

In accordance with FERC's regulations, the Power Authority will hold an ISR Meeting with resource agencies and stakeholders for the purpose of reviewing the Power Authority's progress in implementing the FERC-approved study plans. Because of the global pandemic, the ISR meeting will be held virtually on March 3, 2021. Within fifteen (15) days following the ISR Meeting, or by March 18, 2021, the Power Authority will file with the Commission its summary of the ISR Meeting, including any modifications to ongoing studies or new studies proposed by the Power Authority. Within thirty (30) days of this filing (i.e., by April 19, 2021)[3], members of the public or Commission staff may file a disagreement on the ISR Meeting summary. Disagreements may include any requests for modifications to ongoing studies or for a new study. The request for a modified or new study must be accompanied by a justification as set forth in the Commission's regulations at 18 C.F.R. § 5.15(d) (e). Within 30 days (i.e., by May 19, 2021), any party may file responses to the disagreements or requests for modified or new studies. No later than 30 days thereafter (i.e., by June 18, 2021), the Commission will amend the approved study plan if needed. Next steps for completion of each FERC-approved relicensing study are set forth in the ISR for those studies in Section 2 below.

The Power Authority will use the results of the resource studies reported herein to inform its draft and final License Applications. More specifically, the results of the studies will be included and analyzed in Exhibit E.

[3] In accordance with 18 C.F.R. § 385.2007(a)(2), if a filing deadline falls on a Saturday, Sunday, holiday, or other date when the Commission is not open for business, the filing deadline does not end until the close of business on the next business day.

A Draft License Application (DLA) will be filed with the Commission on or before January 1, 2022.[4] Prior to filing the Final License Application due May 31, 2022, the Power Authority will file its USR with the Commission by February 19, 2022. The USR will include all remaining final reports for each study not completed as of this ISR and will describe the overall progress with implementing study plans, schedules, and data collection during the second study season, including an explanation of variances from approved study plans or schedules, if applicable.

[4] The Power Authority is required to include in the USR notice of its election to prepare and file a DLA in lieu of the preliminary license proposal (PLP). 18 CFR 5.16(c). Because the licensing process schedule for the Projects provides for the PLP/DLA to be filed before the USR, the Power Authority hereby notifies the Commission and licensing participants of its intent to prepare a DLA in these relicensing proceedings for the Projects.

2 INITIAL STUDY REPORTS

2.1 Water Quality Study

2.1.1 Introduction

On January 21, 2020, the Power Authority filed its RSP for the Crescent and Vischer Ferry Projects with FERC (Power Authority 2020). One of the studies proposed in the RSP was a Water Quality Study. FERC approved the Water Quality Study without modification in its SPD issued on February 20, 2020 (FERC 2020). The overall goal of the Water Quality Study is to evaluate the effects of Project operation on water quality.

As detailed herein, the Power Authority conducted the Water Quality Study in 2020. This includes consultation with the resource agencies on final water quality monitoring station locations and field data collection at both Projects. Water quality data for the Projects was collected between June 12, 2020 and November 4, 2020. The Power Authority developed a full and final report of its Water Quality Study which is included herein as Appendix A. The report demonstrates that the Projects have no adverse effects on Mohawk River water quality. No further study of Project water quality is needed or recommended.

2.1.2 Study Goals and Objectives

The goal of this study is to evaluate the effects, if any, of each Project on water quality and to determine compliance with New York State water quality standards. The objectives of this study are to:

- Collect continuous dissolved oxygen (DO) and temperature data in the Projects' impoundments and tailwaters during the summer and early fall months (i.e., the period when elevated water temperature and low DO levels are most likely to occur in waters released through the Projects), and
- Collect additional water quality data for pH, conductivity, and turbidity in the Projects' impoundments, sufficient to characterize current water quality at each Project.

2.1.3 Geographic Scope

The geographic scope of this study encompasses the Projects' powerhouse tailwaters, as well as the lower end of the Project impoundments, immediately upstream of the powerhouse intakes. To assess the effects of each Project on water quality, the study plan calls for sampling sites in each of the Project impoundments just upstream of the powerhouses, and in each of the powerhouse tailwaters.

2.1.4 Study Implementation, Methods, and Variances

The methods used in this study follow those outlined in the RSP and are detailed in the study report. Water quality monitoring station locations were selected in consultation with the resource agencies. Water quality data was collected between June 12, 2020 and November 4, 2020.

Variances

The RSP called for water quality monitoring to begin in May and continue through October 2020. Due to the global COVID-19 pandemic, early season water quality monitoring was delayed while safety and access measures were determined. The decision to delay the start of water quality monitoring was made in consultation with the resource agencies during a call held April 8, 2020 (see Appendix F). With the proper planning and precautions, the water quality monitoring was initiated on June 12 and continued through

November 4, 2020. The approximately five week delay in the collection of water quality data had no effect on the validity of the study or the overall study results.

2.1.5 Results

The study successfully collected baseline water quality information for the two Projects. Temperature and DO were collected continuously at two stations (forebay and tailwater) at both the Crescent and Vischer Ferry Projects. Temperature and DO data were collected at the Projects under a range of environmental and operational conditions, including high temperature and low flow periods. Additional water quality parameters (pH, conductivity, and turbidity) were collected at each station on a bi-weekly basis.

Water temperatures at the Projects displayed very similar patterns at all sites through the study period. Throughout June, water temperatures warmed steadily at all sites and remained above 25 °C for most of July. The maximum water temperatures among all sites were observed in July and ranged from 28.4 °C to 29.5 °C. Water temperatures cooled in early August in response to heavy precipitation and increased river flows. There was no evidence of thermal stratification at any monitoring location. The temperature was well mixed from top to bottom at each site. Both the continuous and vertical profile data demonstrated that water temperatures were consistent at the forebay and tailrace sites at each Project. There were no apparent effects of Project operations on water temperature.

Additional parameters collected on a bi-weekly basis (pH, conductivity, and turbidity) also displayed similarities among the monitoring sites. These parameters measured in the forebay and tailrace sites at each Project were generally consistent from top to bottom and the tailrace values were similar to those measured concurrently in the forebay. There were no apparent effects of Project operations on these parameters. On two occasions in the Vischer Ferry Forebay elevated pH values were measured in the top layer of the water column. These elevated pH values were likely affected by photosynthetic processes in the impoundment.

The bi-weekly vertical profiles collected during the study demonstrated that the DO values in both Project tailraces remain consistent from top to bottom. The Vischer Ferry Forebay site showed that DO levels can stratify when the turbines are not operating. DO stratification occurred on June 25 and July 9 when the turbines were off-line due to low river flows and low DO values were recorded in the deeper portions of the forebay. At the Vischer Ferry Tailrace profile site, DO remained above 5.0 mg/L at all depths despite the lower DO at times in the Vischer Ferry Forebay. DO at the Crescent Tailrace site also remained above 5.0 mg/L during the biweekly profile measurements.

Continuous DO data collected from the Project forebays showed that DO concentrations were highly irregular and erratic at times. At both forebay sites, DO concentrations dropped below 4.0 mg/L in the months of July and August, but also experienced very high DO values at times, indicating the highly productive nature of aquatic plant growth in the Project impoundments.

DO levels in the Project areas are influenced by natural aquatic plant production and organic processes in the Project impoundments as evidenced by the large daily fluctuations observed in the Project forebays and downstream. The Crescent Project impoundment appears more affected by this natural variation than Vischer Ferry.

The Projects maintain minimum flows over the respective dams (200 cfs at Vischer Ferry and 250 cfs at Crescent). When the flow through the forebays is low or when the turbines are off-line, the low (or lack of)

inflows combined with natural plant decomposition activity (which consumes oxygen) results in lower DO values in the Project forebays.

Despite the lower DO at times in the forebays, the Project tailraces generally remain well oxygenated. DO in the Crescent Tailrace fell below 4.0 mg/L for a very short period on two occasions (e.g., 15 minute period on July 8 at 19:45 and the morning of July 11) when the Project turbines were off-line and all inflows were being passed over the dam. DO data measured in the Vischer Ferry Tailrace was greater than 4.0 mg/L at all times. The average daily DO values in each tailrace were always greater than 5.0 mg/L. The layout of the Vischer Ferry Project is such that even when the turbines are off-line, the spillage at Vischer Ferry Dam reaches the tailrace area keeping DO levels sufficient. At the Crescent Project, when the turbines are off-line, the spillage at the Project mostly occurs on the opposite side of the river. This likely led to a very short duration period when DO levels fell below 4.0 mg/L in the Crescent Tailrace when the Project was off-line. DO measured in the tailrace monitoring locations remained above 4.0 mg/L at all times when the Project turbines were operating.

2.1.6 Completing the Study

The Water Quality Study was completed in 2020 and a final report is contained in Appendix A. The study was completed in accordance with the FERC approved study plan. The Power Authority is not proposing any modifications to the study.

2.1.7 Schedule

The Water Quality Study was completed in 2020 and there are no remaining outstanding tasks to be completed.

2.1.8 Conclusion

The Water Quality Study results demonstrate that the operation of the Crescent and Vischer Ferry Projects have no adverse effect on water quality at the Projects.

2.1.9 References

Federal Energy Regulatory Commission (FERC). 2020. Study Plan Determination for the Crescent and Vischer Ferry Project. Issued February 20, 2020.

New York Power Authority (Power Authority). 2020. Revised Study Plan.

New York Power Authority (Power Authority). 2021. Water Quality Study Report.

2.2 Fish Entrainment Study

2.2.1 Introduction

On January 21, 2020, the Power Authority filed its RSP for the Crescent and Vischer Ferry Projects with FERC (Power Authority 2020). One of the studies proposed in the RSP was a Fish Entrainment Study. FERC approved the Fish Entrainment Study with minor modifications in its SPD issued on February 20, 2020 (FERC 2020). Specifically, FERC required that the study assess the impingement, entrainment, and turbine survival of five target species; (1) Blueback Herring, (2) American Eel, (3) Smallmouth Bass, (4) Walleye, and (5) Yellow Perch. The overall goal of the Fish Entrainment Study is to provide a literature-based assessment of the potential for entrainment and impingement of these species at the Projects.

The Power Authority conducted the Fish Entrainment Study in 2020 and developed a full and final report of the study results which is included herein as Appendix B. The report demonstrates that the Projects have minimal impact on fish as a result of impingement or entrainment at the Projects. No further study of fish entrainment is needed or recommended.

2.2.2 Study Goals and Objectives

The primary goals and objectives of this study are to provide a literature-based assessment of the potential for fish entrainment and impingement at the Projects, and to use existing databases, tools, and models to evaluate potential turbine survival rates for resident and migratory fish species and lifestages at the Projects. The representative species used for the study were the five species recommended by FERC.

2.2.3 Geographic Scope

The geographic scope of this study encompasses the Project powerhouses, intakes and tailwater areas. To assess entrainment and impingement potential, as well as the estimates of turbine survival, details of the Project powerhouse, intake and turbine configurations were utilized.

2.2.4 Study Implementation, Methods, and Variances

The methods used in this study follow those outlined in the RSP, as adjusted by FERC in the SPD, and are detailed in the study report.

Variances

There are no variances to the study plan associated with this study.

2.2.5 Results

The study successfully evaluated timing and likelihood of fish becoming entrained or impinged, along with their chances of survival. The study concluded that there are no anticipated effects of impingement and limited effects of entrainment on the target species. Impingement effects on the populations are not likely because of the wide trashrack spacing that would allow fish to pass through, and because the largest fish are strong swimmers and could escape impingement.

In general, the study found the effects at the Projects would be minimal for populations of non-migratory resident species. Of the five target species evaluated, Smallmouth Bass, Walleye, and Yellow Perch are resident fish living in the Crescent and Vischer Ferry impoundments and are not dependent on downstream

movement to complete their lifecycle. The Project impoundments are each over ten miles long and provide considerably more habitat outside of the Project forebay areas than within. Further, habitat availability is limited in the forebay and intake areas and would not be attractive to the target species, with steep-sided walls, a historically excavated streambed, and limited cover. Though some individual fish would be expected to encounter the intakes, most adult and juvenile resident fish also have swimming capabilities that would allow them to escape entrainment at times when they would be most likely to encounter the intake area. Small resident fish that may not be able to escape, should they encounter the intake, but would likely survive turbine passage to populate areas downstream.

Obligatory migrants such as adult and juvenile Blueback Herring and adult American Eel require passage downstream through the Project areas to complete their life history. At both Projects, both eels and herring have multiple alternate routes for downstream passage other than through the Project turbines. These migratory fish could pass through bypasses offered at each Project, via the canal and lock system to downstream areas, or over the dams during high-flow conditions. The effects of entrainment of Blueback Herring at both Projects are also reduced through the operation of acoustic deterrent systems that are designed to guide Blueback Herring to the bypass openings in the flashboards on the spillways. Additionally, for those that may not be diverted to the spillway bypasses, preferential operation of the Kaplan turbines, combined with the high rates of turbine survival via passage through the Kaplan turbines, would limit the effects to populations of this species. The effects on American eel populations are also minimal since based on available information, and the results of the Fish Community Study, the number of eels upstream of the Projects is small.

2.2.6 Completing the Study

The Fish Entrainment Study was completed in 2020 and a final report is contained in Appendix B. The study was completed in accordance with the FERC approved study plan. The Power Authority is not proposing any modifications to the study.

2.2.7 Schedule

The Fish Entrainment Study was completed in 2020 and there are no remaining outstanding tasks still to be completed.

2.2.8 Conclusion

The Fish Entrainment Study results demonstrate that the operation of the Crescent and Vischer Ferry Projects results in very limited impacts to the populations of target species given the current Project configuration, operational regime, and fish passage and protection measures that have been developed and implemented at the Projects.

2.2.9 References

Federal Energy Regulatory Commission (FERC). 2020. Study Plan Determination for the Crescent and Vischer Ferry Project. Issued February 20, 2020.

New York Power Authority (Power Authority). 2020. Revised Study Plan.

New York Power Authority (Power Authority). 2021. Fish Entrainment Study Report.

2.3 Blueback Herring Downstream Migration Study

2.3.1 Introduction

On January 21, 2020, the Power Authority filed its RSP for the Crescent and Vischer Ferry Projects with FERC (Power Authority 2020). One of the studies proposed in the RSP was a Blueback Herring Downstream Migration Study. FERC approved the Blueback Herring Downstream Migration Study with minor modifications in its SPD issued on February 20, 2020 (FERC 2020). More specifically, FERC required that the study include an operational scenario that represents a 'worst-case scenario' for blueback herring mortality and that the study report discuss whether the results of earlier BBH adult telemetry studies are still applicable to the current project (acoustic deterrent system) configuration.

The Power Authority conducted the Blueback Herring Downstream Migration Study in 2020 and developed a full report on the study results which is included herein as Appendix C. The report demonstrates that whole station survival of Blueback Herring at the Projects is high, and that operation of the existing acoustic deterrent systems at the Projects, in combination with the provision of downstream passage bypasses and low levels of turbine mortality, result in high levels of station survival for Blueback Herring. No further study of Blueback Herring downstream passage at the Projects is needed or recommended.

2.3.2 Study Goals and Objectives

The goals and objectives of this study are to use existing and theoretical data to estimate adult and juvenile BBH downstream passage whole station survival associated with the Crescent and Vischer Ferry Projects.

2.3.3 Geographic Scope

The geographic scope of this study includes Project intakes, turbines, sluiceways, spillways, and bypasses (flashboard notches), as well as the Barge Canal facilities associated with each Project.

2.3.4 Study Implementation, Methods, and Variances

The methods used in this study follow those outlined in the RSP, as adjusted by FERC in the SPD, and are detailed in the study report.

Variances

There are no variances to the study plan associated with this study.

2.3.5 Results

Results of the study demonstrate that total station downstream passage survival for both adult and juvenile BBH, for most months and under most river flow conditions, range between 85-98 percent. For both lifestages, total station survival estimates are largely driven by bypass/spillway survival rates. The Power Authority currently implements an acoustic deterrent system to guide BBH toward notches in the flashboards (i.e. bypasses) as a preferred passage route compared to passing through the turbines. Data supports the conclusion that the acoustic deterrent systems at both Projects are effective at directing downstream migrating BBH away from the turbine intakes as intended. Additionally, the Power Authority maintains minimum flows to support downstream passage and prioritizes turbine operation such that the Kaplan Units (the more fish friendly units) are the first on and last off at these run run-of-river Projects.

Assessment of the deterrence system at Vischer Ferry for adults indicated a 96% effectiveness rate. Testing of the system for juvenile BBH at Crescent indicated 76% effectiveness at a minimum. Therefore, the vast majority of downstream migrating BBH avoid turbine passage. There is, however, some level of mortality associated with use of the bypass. It is likely that bypass mortality is about 3%, which is similar to turbine passage survival for juvenile BBH through the Kaplan Units. These Kaplan turbine survival rates are supported by both empirical testing at Crescent and model results. Also, all flow scenarios considered provided consistent results of total project survival greater than 95% for juveniles assuming a 3% bypass mortality.

Adult BBH are nearly 3 times as long as juvenile BBH. Therefore, they are expected to experience lower turbine passage survival rates. This is particularly true for the Francis Units. The effectiveness of the acoustic deterrent systems, however, indicates that relatively few adult BBH are exposed to turbine passage as a downstream passage route.

The Barge Canal also, to some unknown degree, provides a downstream passage route for adult and juvenile BBH. Lock operation occurs during daylight hours from May through early November and frequency of operation is based on demand. Therefore, operation occurs throughout the expected downstream migration period but downstream passage through the locks for adult and juvenile BBH is likely variable based on frequency of operation during migration conditions. However, there are indications of lock usage.

Overall, the results of the study indicate a high downstream passage success rate for juvenile and adult BBH at the Vischer Ferry and Crescent Projects. Data indicates that survival rates are especially high when coupled with the acoustic deterrent systems.

2.3.6 Completing the Study

The Blueback Herring Downstream Migration Study was completed in 2020 and a final report is contained in Appendix C. The study was completed in accordance with the FERC approved study plan. The Power Authority is not proposing any modifications to the study.

2.3.7 Schedule

The Blueback Herring Downstream Migration Study was completed in 2020 and there are no remaining outstanding tasks still to be completed.

2.3.8 Conclusion

The results of the study indicate a high downstream passage success rate for juvenile and adult BBH at the Vischer Ferry and Crescent Projects with whole station survival rates for both adult and juvenile BBH, for most months and under most river flow conditions, between 85-98 percent. The study results indicate that downstream passage survival rates are especially high when coupled with the acoustic deterrent systems.

2.3.9 References

Federal Energy Regulatory Commission (FERC). 2020. Study Plan Determination for the Crescent and Vischer Ferry Project. Issued February 20, 2020.

New York Power Authority (Power Authority). 2020. Revised Study Plan.

New York Power Authority (Power Authority). 2021. Blueback Herring Downstream Migration Study Report.

2.4 Fish Community Study

2.4.1 Introduction

On January 21, 2020, the Power Authority filed its RSP for the Crescent and Vischer Ferry Projects with FERC (Power Authority 2020). One of the studies proposed in the RSP was a Fish Community Study. FERC approved the Fish Community Study without modification in its SPD issued on February 20, 2020 (FERC 2020)

The Power Authority conducted the Fish Community Study in 2020 and developed a full report on the study results which is included herein as Appendix D. The report demonstrates that there is significant information on the species composition and relative abundance of the fish community at the Projects. No further study of the fish community at the Projects is needed or recommended.

2.4.2 Study Goals and Objectives

The goal of the study is to utilize existing fisheries data for the lower Mohawk River to conduct a comprehensive desktop assessment of the fish community at the Crescent and Vischer Ferry Projects, including a determination of species composition and relative abundance.

2.4.3 Geographic Scope

The geographic scope of this study is the lower Mohawk River in the vicinity of the Crescent and Vischer Ferry Projects. The Crescent impoundment is approximately 10 miles long and the upstream terminus of the impoundment is located at the Vischer Ferry dam. The Vischer Ferry impoundment is 10.3 miles long and the upstream terminus of the impoundment is located at Lock E-8 in Schenectady.

2.4.4 Study Implementation, Methods, and Variances

The methods used in this study follow those outlined in the RSP. There were no adjustments recommended by FERC in the SPD.

Variances

There are no variances to the study plan associated with this study.

2.4.5 Results

There is extensive existing information on the fish and the fish community in the lower Mohawk River in the vicinity of the Crescent and Vischer Ferry Projects. Numerous reports and studies of the Mohawk River fish community produced by NYSDEC, the U.S. Geological Survey (USGS) and other agency and university researchers were gathered and utilized as the basis of this Fish Community Study.

Historically, at least 62 fish species have been documented in the Mohawk River and the Barge Canal from Lock E-6 in Waterford to Lock E-20 in Rome, New York from 1934 through 1983 (McBride, 2009). Carlson (2015) reported that as many as 71 fish species may inhabit the greater river-canal system.

The Mohawk River fishery consists of warmwater, coolwater, and migratory species. Common warmwater species such as Smallmouth Bass and sunfish are abundant and provide a diverse recreational fishery. Likewise, coolwater species such as Walleye and Northern Pike provide desirable target species for anglers. Proportional abundance of fish species from the survey data indicate that the most abundant

gamefish species within the vicinity of the Projects are Smallmouth Bass followed by Walleye. Overall, the resident fish community is dominated by warm- and cool-water species such as Bluegill, Smallmouth Bass, Yellow Perch , White Sucker, Fallfish, and Brown Bullhead. Both coolwater and warmwater species are present in sizes with trophy potential for anglers.

Migratory species include the seasonally abundant Blueback Herring and the relatively uncommon American Eel. The migratory species exist in the vicinity of the Projects due to the Barge Canal which provides a passage route past Cohoes Falls and the dams present along the lower Mohawk River.

2.4.6 Completing the Study

The Fish Community Study was completed in 2020 and a final report is contained in Appendix D. The study was completed in accordance with the FERC approved study plan. The Power Authority is not proposing any modifications to the study.

2.4.7 Schedule

The Fish Community Study was completed in 2020 and a final report is contained in Appendix D. Therefore, the Power Authority is not proposing any modifications to the study.

2.4.8 Conclusion

The study found that existing information on the fish and fish communities in the lower Mohawk River are sufficient to describe the existing fish community. Analysis of the available data demonstrate that the Mohawk River fishery in the vicinity of the Projects consists of warmwater, coolwater, and migratory species.

2.4.9 References

Federal Energy Regulatory Commission (FERC). 2020. Study Plan Determination for the Crescent and Vischer Ferry Project. Issued February 20, 2020.

New York Power Authority (Power Authority). 2020. Revised Study Plan.

New York Power Authority (Power Authority). 2021. Fish Community Study Report.

2.5 Aquatic Mesohabitat Study

2.5.1 Introduction

On January 21, 2020, the Power Authority filed its RSP for the Crescent and Vischer Ferry Projects with FERC (Power Authority 2020). One of the studies proposed in the RSP was an Aquatic Mesohabitat Study. FERC approved the Aquatic Mesohabitat Study without modification in its SPD issued on February 20, 2020 (FERC 2020). The overall goal of the Aquatic Mesohabitat Study is to identify and map aquatic habitats at the Projects including wetlands, riparian, and littoral vegetation communities, including submerged aquatic vegetation and open water habitats. The study will also identify and map areas of significant shoreline erosion.

As detailed herein, the Power Authority conducted the Aquatic Mesohabitat Study in 2020. The study included initial background research on wetlands, land use/cover types, and potential habitats for rare, threatened, and endangered (RTE) species. The study also included field surveys conducted during the summer and fall to further delineate habitat types and to make observations of habitat used by plants, wildlife, and fish and aquatic organisms. The Power Authority developed a full report of its Aquatic Mesohabitat Study which is included herein as Appendix E. The report demonstrates that the Projects support abundant wetland and aquatic habitat types that are used by a variety of birds and wildlife. The study also documented little or no shoreline erosion within the Project impoundments. No further study of Project aquatic habitats or habitat use is needed or recommended.

2.5.2 Study Goals and Objectives

The goal of the study is to identify and characterize the key aquatic habitat types found at the Projects, including wetlands, SAV, and riparian habitats. Specific objectives include:

- Identify, describe, and map aquatic mesohabitat within the study area;
- Identify areas of significant shoreline erosion; and
- Evaluate the potential effects, if any, of the Projects' operations on these habitats while considering the differences in water level when the flashboards are both in place and removed.

2.5.3 Geographic Scope

The geographic scope of this study encompasses the FERC Project boundaries for the Crescent and Vischer Ferry Projects. The study examines aquatic habitats that occur within the Projects' boundaries, including wetlands, riparian and littoral vegetation communities, and other significant aquatic habitat types. Riparian areas considered were those areas adjacent to the impoundment within 50 feet of the Project boundary.

2.5.4 Study Implementation, Methods, and Variances

The methods used in this study follow those outlined in the RSP and which are detailed in the study report. There were no adjustments recommended by FERC in the SPD.

Variances

There are no variances to the study plan associated with this study.

2.5.5 Results

The study found that both the Crescent and Vischer Ferry Projects support large areas of wetland and riparian habitats that are utilized by a wide array of birds, wildlife, and aquatic organisms. The riparian zone along the Crescent impoundment is 30% forested and 48% developed. Adjacent wetlands account for 23% of the 50-foot riparian area. The Vischer Ferry Project riparian zone was more forested than Crescent (44%) but developed lands were more common along the Vischer Ferry impoundment (34% of the total riparian area) compared to the Crescent impoundment.

Naturally vegetated areas along the riparian zone and within the Project impoundments also included a variety of wetlands. Emergent wetlands covered approximately 13% of the Crescent impoundment. Compared to the Crescent Project, there were less emergent wetlands found in the Vischer Ferry impoundment (overall coverage was 20.6 acres or less than 2% of the total impoundment area).

Forested and Shrub-Scrub wetlands were less common wetland types found within both Project boundaries and were mostly found in adjacent riparian areas. Eastern cottonwood, silver maple, black willow, willow shrubs and European alder were the dominant species in the Shrub-Scrub wetlands.

Aquatic habitat was extensive in the Crescent Project impoundment. Floating aquatic vegetation (FAV) and submerged aquatic vegetation (SAV) beds covered over 29% of the Crescent impoundment. FAV beds were mostly monocultures of European water chestnut and SAV beds were dominated by native species such as tapegrass, pondweeds and coontail. The dominant shoreline substrate was silt largely found in the shallower slope littoral zone areas, which are conducive to aquatic plant bed growth. Areas of gravel, cobble and boulder were also prevalent.

At Vischer Ferry, native SAV beds are prominent throughout the impoundment covering 7% of the impoundment within the Project boundary. The SAV beds were found in depths up to 10-12 feet and grow in various substrates, from silt to gravel dominated shorelines. Areas where shoreline and littoral zone contain cobble/boulder substrates, native SAV beds are less dense. The most common species include tapegrass, water stargrass, white water lily, and floating pondweed. The total area of floating vegetation beds is around 187 acres. The floating beds, like at the Crescent impoundment, are mainly monocultures of water chestnut with other submerged species sparsely distributed along the edges of the water chestnut beds. The dominant substrate observed was silt, but areas of boulder, cobble and gravel provided diverse bottom substrates.

The Crescent and Vischer Ferry Projects were both found to have generally stable (not eroding) shorelines. Factors contributing to the lack of significant shoreline erosion were the gentle littoral zone gradients and the robust vegetation and associated roots along the shoreline. Where steeper shoreline sections did occur (primarily on the Vischer Ferry impoundment), they were well-armored (exposed bedrock, riprap).

During the fall survey, emergent wetlands adjacent to the shore were located at higher elevation than the surface water of the impoundments, but the emergent vegetation had already died-back for the winter. Narrow bands of substrate were exposed. In shallower sloped areas, European water chestnut beds were no longer present, however large swaths of seeds covered the shoreline. SAV beds were mostly intact in shallow water. A comparison of summer (flashboards up) and winter (flashboards down) conditions suggest that dewatering of a narrow band of the impoundment littoral zone, as a result of the reduced winter elevation of the impoundments, has little impact on wetlands or littoral habitats. Emergent persistent

wetlands in the zone between normal winter and summer full pool elevations were found to remain vegetated, and emergent nonpersistent wetlands had died back for the winter. As a result of changes in summer and winter impoundment elevations, there were no appreciable effects on aquatic or wetland vegetation distribution or composition in these areas.

2.5.6 Completing the Study

The Aquatic Mesohabitat Study was completed in 2020 and a final report is contained in Appendix E. The study was completed in accordance with the FERC approved study plan. The Power Authority is not proposing any modifications to the study.

2.5.7 Schedule

The Aquatic Mesohabitat Study was completed in 2020 and there are no remaining outstanding tasks still to be completed.

2.5.8 Conclusion

The Aquatic Mesohabitat Study results demonstrate that the Crescent and Vischer Ferry Projects support significant areas of wetland and riparian habitats that are utilized by a wide variety of wildlife species. The study further demonstrated that run-of-river operation of the Projects and the changes in impoundment levels associated with summer (boards-up) and winter (boards-down) operations have no adverse effect on these habitats or their use.

2.5.9 References

Federal Energy Regulatory Commission (FERC). 2020. Study Plan Determination for the Crescent and Vischer Ferry Project. Issued February 20, 2020.

New York Power Authority (Power Authority). 2020. Revised Study Plan.

New York Power Authority (Power Authority). 2021. Aquatic Mesohabitat Study Report.

2.6 Bald Eagle Study

2.6.1 Introduction

On January 21, 2020, the Power Authority filed its RSP for the Crescent and Vischer Ferry Projects with FERC (Power Authority 2020). One of the studies proposed in the RSP was a Bald Eagle Study. FERC approved the Bald Eagle Study without modification in its SPD issued on February 20, 2020 (FERC 2020). The overall goal of the Bald Eagle Study is to survey existing and potential bald eagle nesting, foraging, and roosting locations and to monitor seasonal use and bald eagle activity in these habitat areas.

As outlined in the RSP, the Bald Eagle Study was to be conducted as a single-season study with field surveys to be conducted in the early spring (nesting surveys) and summer 2020. Summer season surveys were to be conducted as part of the Aquatic Mesohabitat Study which is reported on herein (Appendix E). However, the early field season was disrupted due to the global COVID-19 pandemic, and the early spring nesting survey was postponed until 2021. The spring nesting survey will be conducted in 2021 and the final study results will be reported in the USR. Herein, the Power Authority provides an update on the study progress and some initial results regarding Bald Eagle use of the Projects collected as part of the Aquatic Mesohabitat Study.

2.6.2 Study Goals and Objectives

The goal of the study is to identify and map areas of existing and potential bald eagle nesting, roosting, and foraging habitats at the Crescent and Vischer Ferry Projects, and to monitor and record bald eagle activities in those areas.

2.6.3 Geographic Scope

The geographic scope of this study is the FERC Project boundaries for the Crescent and Vischer Ferry Projects.

2.6.4 Study Implementation, Methods, and Variances

The methods used in this study follow those outlined in the RSP and will be detailed in the final study report. Summer surveys of bald eagle activities were conducted in conjunction with the Aquatic Mesohabitat Study which is reported on herein. Details regarding methods used to survey Bald Eagle activities as part of that study are provided in Appendix E.

Variances

The RSP called for the Bald Eagle Study to be conducted in its entirety in 2020, including both spring nesting surveys as well as summer surveys. Due to the global COVID-19 pandemic, the early spring nesting survey was postponed until the spring of 2021. The final study report will be included in the USR.

2.6.5 Preliminary Results

Bald eagles were frequently observed using both the Crescent and Vischer Ferry Project areas during the 2020 summer surveys conducted for the Aquatic Mesohabitat Study in August and November 2020. Table 2.6-1 provides a detailed listing of Bald Eagle observations at the Projects in 2020. Figure 2.6-1 shows the locations of observed eagle activity.

Table 2.6-1: Bald Eagle Observations at the Crescent and Vischer Ferry Projects, 2020

Date Observed	Bird Observed	Activity Observed	Notes	Project	Lat.	Long.
8/1/2020	Adult	Roost		Vischer Ferry	42.84094	-73.9227
8/1/2020	Adult	Flight		Vischer Ferry	42.81766	-73.9725
8/1/2020	Juvenile	Flight		Vischer Ferry	42.81773	-73.9747
8/1/2020	Juvenile	Roost		Vischer Ferry	42.83785	-73.8792
8/1/2020	Adult	Roost		Vischer Ferry	42.83626	-73.8782
8/1/2020	Adult	Flight		Vischer Ferry	42.83597	-73.8781
8/4/2020	Adult	Roost	2	Vischer Ferry	42.85029	-73.902
8/21/2020	Adult	Flight		Crescent	42.77851	-73.8116
8/21/2020	Adult	Roost		Crescent	42.79479	-73.839
8/21/2020	Adult	Roost		Crescent	42.79487	-73.8392
8/21/2020	Adult	Flight		Crescent	42.77696	-73.8131
8/21/2020	Juvenile	Flight		Crescent	42.77714	-73.8117
8/21/2020	Juvenile	Flight		Vischer Ferry	42.8431	-73.8774
8/21/2020	Adult	Flight		Crescent	42.81769	-73.736
8/21/2020	Adult	Roost		Crescent	42.80903	-73.7188
8/26/2020	Juvenile	Flight		Vischer Ferry	42.80913	-73.8484
8/26/2020	Juvenile	Flight		Crescent	42.804517	-73.7221
8/27/2020	Juvenile	Roost		Crescent	42.80786	-73.7147
8/27/2020	Adult	Roost		Crescent	42.808	-73.7148
8/27/2020	Adult	Roost		Crescent	42.81823	-73.7362
8/27/2020	Juvenile	Flight		Crescent	42.81828	-73.7368
8/27/2020	Adult	Flight		Crescent	42.81774	-73.7366
8/27/2020	Adult	Roost		Crescent	42.78509	-73.766
8/27/2020	Adult	Flight		Crescent	42.80324	-73.8437
9/3/2020	Adult	Flight		Crescent	42.805233	-73.7224
9/3/2020	Adult	Flight		Vischer Ferry	42.807932	-73.8433
9/10/2020	Juvenile	Flight	2	Vischer Ferry	42.80808	-73.8446
10/2/2020	Adult	Flight		Crescent	42.813324	-73.7231
10/7/2020	Undetermined	Roost		Crescent	42.80827	-73.7213
11/19/2020	Adult	Flight		Crescent	42.78114	-73.7988
11/19/2020		Nest	fall	Crescent	*	*
11/19/2020	Adult	Flight	fall	Crescent	42.79792	-73.8427
11/20/2020	Adult	Flight	fall	Vischer Ferry	42.84886	-73.8789
11/20/2020	Adult	Roost	fall	Vischer Ferry	42.851	-73.881
11/20/2020	Adult	Flight	fall	Vischer Ferry	42.82711	-73.9846

* Location coordinates not included to protect the nest site. Nest locations will be provided in the final study report included in the USR, and will be filed as privileged.

Figure 2.6-1: Location of Bald Eagle Observations at the Crescent Project

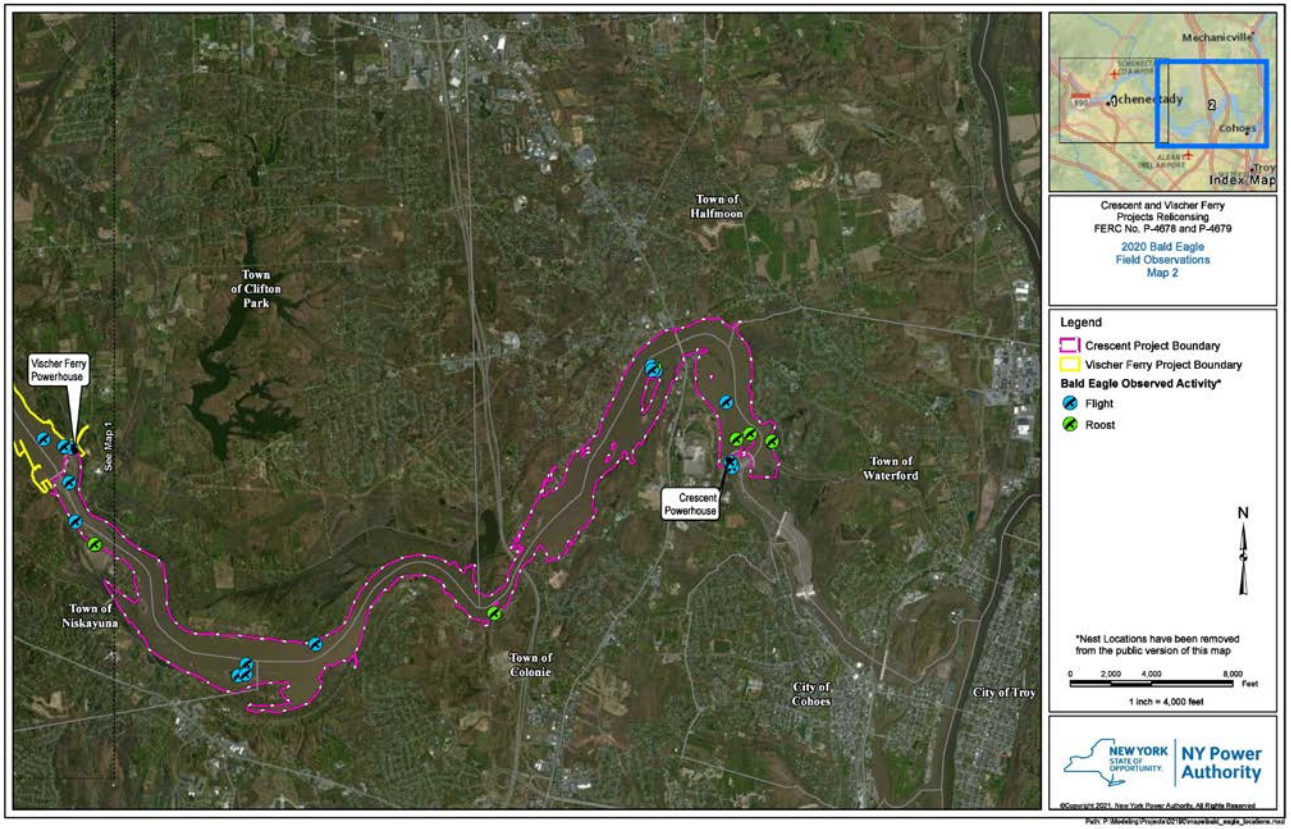
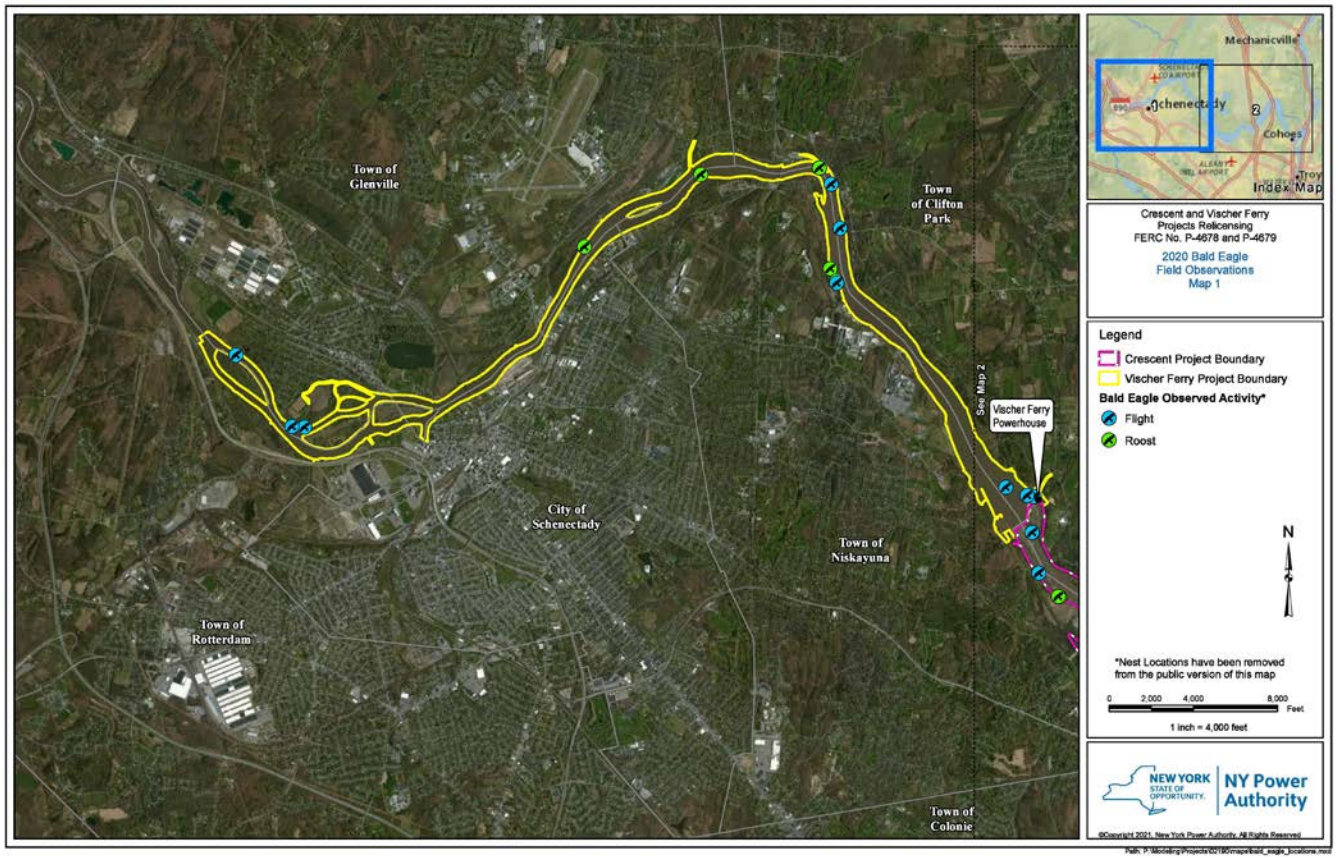


Figure 2.6-2: Location of Bald Eagle Observations at the Vischer Ferry Project



2.6.6 Completing the Study

The early spring Bald Eagle nesting survey will be conducted in April of 2021, and the full results of the study will be reported in the USR.

2.6.7 Schedule

The early spring Bald Eagle nesting survey will be conducted in April of 2021

2.6.8 Conclusion

Preliminary results of the Bald Eagle study based on the summer surveys conducted in 2020 demonstrate that the Crescent and Vischer Ferry Project areas are utilized by Bald Eagles for foraging and roosting. In addition, one Bald Eagle nest was observed, though based on the month of the observation (November), it was not possible to tell if it was an active nest in 2020. Conclusions regarding Bald Eagle nesting at the Projects will be made following the nesting survey to be conducted in the early spring of 2021.

2.6.9 References

Federal Energy Regulatory Commission (FERC). 2020. Study Plan Determination for the Crescent and Vischer Ferry Project. Issued February 20, 2020.

New York Power Authority (Power Authority). 2020. Revised Study Plan.

New York Power Authority (Power Authority). 2021. Aquatic Mesohabitat Study Report.

2.7 Recreation Study

2.7.1 Introduction

On January 21, 2020, the Power Authority filed its RSP for the Crescent and Vischer Ferry Projects with FERC (Power Authority 2020). One of the studies proposed in the RSP was a Recreation Study. FERC approved the Recreation Study without modification in its SPD issued on February 20, 2020 (FERC 2020).

As outlined in the RSP, the Recreation Study was to be conducted as a single-season study with recreation use data and surveys collected throughout the 2020 recreation season. However, because normal recreation use at the Projects was disrupted due to the global COVID-19 pandemic, the entire study was postponed until 2021. The Recreation Study will be conducted in 2021 and the results will be reported in the USR.

2.7.2 Study Objective

The goal of the study is to inventory both formal and informal, commercial and non-commercial recreation sites that provide public recreational access to the Projects, and to evaluate current use and future needs of the Projects' recreation sites through the conduct of use counts and user surveys at the Project recreation sites. The specific objectives of this study are to complete a recreation facility inventory and condition assessment, to evaluate recreation use at the Project recreation sites, and to conduct user surveys to help determine the adequacy of the existing Project recreation sites.

2.7.3 Geographic Scope

The study area encompasses lands and waters within the Projects' boundaries as well as other commercial and non-commercial public recreation sites immediately adjacent to the Projects that provide public recreational access to Crescent and Vischer Ferry Project lands and waters.

2.7.4 Study Implementation, Methods, and Variances

The methods used in this study will follow those outlined in the RSP and will be detailed in the final study report.

Variances

The RSP called for the Recreation Study to be conducted in its entirety in 2020. However, because normal recreation use at the Projects was disrupted due to the global COVID-19 pandemic, the entire study was postponed until 2021. The Recreation Study will be conducted in 2021 and the results will be reported in the USR.

2.7.5 Preliminary Results

There are no study results to report at this time.

2.7.6 Completing the Study

The Recreation Study will be undertaken in 2021 in accordance with the methods outlined in the RSP. Field work including user counts and surveys will be completed in 2021.

2.7.7 Schedule

The Recreation Study will be undertaken in 2021 in accordance with the seasonal schedule outlined in the RSP. Field work for this study will be conducted between the months of May 2021 and October 2021. Study results will be reported in the USR in February 2022.

2.7.8 Conclusion

There are no study conclusions to report at this time.

2.7.9 References

Federal Energy Regulatory Commission (FERC). 2020. Study Plan Determination for the Crescent and Vischer Ferry Project. Issued February 20, 2020.

New York Power Authority (Power Authority). 2020. Revised Study Plan.

2.8 American Eel Study

2.8.1 Introduction

On January 21, 2020, the Power Authority filed its RSP for the Crescent and Vischer Ferry Projects with FERC (Power Authority 2020). Not included in the RSP was a study of American Eel. In its SPD, FERC staff recommended that a American Eel study be conducted at the Projects in 2020.

The Power Authority made initial plans to conduct the eel study in 2020. However, plans to conduct spring sampling for eels were disrupted due to the global COVID-19 pandemic. As a result, the decision was made to postpone the entire study until 2021. The Power Authority used the time available in 2020 to further consult with the agencies on a detailed study plan for the American Eel Study. The resulting study plan was filed with the Commission as an addendum to the RSP on February 4, 2021. The American Eel study will be conducted in in 2021 and reported in the USR.

2.8.2 Study Objective

The goal of this study is to assess the presence and quantity of American Eel upstream and downstream of the Projects.

2.8.3 Geographic Scope

The geographic scope of this study includes the areas immediately downstream of the Crescent and Vischer Ferry dams as well as the Vischer Ferry impoundment.

2.8.4 Study Implementation, Methods, and Variances

The methods used in this study will follow those outlined in the addendum to the RSP and will be detailed in the final study report.

Variances

The American Eel Study was originally to be conducted in 2020. However, due to the global COVID-19 pandemic, the entire study was postponed until 2021. The American Eel Study will be conducted in 2021 and the results will be reported in the USR.

2.8.5 Preliminary Results

There are no study results to report at this time.

2.8.6 Completing the Study

The American Eel Study will be undertaken in 2021 in accordance with the methods and schedule outlined in the RSP addendum.

2.8.7 Schedule

The American Eel Study will be undertaken in 2021 in accordance with the seasonal schedule outlined in the RSP addendum. Field work for this study will be conducted between the months of April 2021 and September 2021. Study results will be reported in the USR in February 2022.

2.8.8 Conclusion

There are no study conclusions to report at this time.

2.8.9 References

Federal Energy Regulatory Commission (FERC). 2020. Study Plan Determination for the Crescent and Vischer Ferry Project. Issued February 20, 2020.

New York Power Authority (Power Authority). 2020. Revised Study Plan.

Appendix A Water Quality Study Report

WATER QUALITY STUDY

Prepared by: Gomez and Sullivan Engineers

February 2021

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CRESCENT AND VISCHER FERRY PROJECTS RELICENSING

FERC No. 4678 and 4679






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List of Abbreviations

BCD	Barge Canal Datum
C	Celsius
cfs	cubic feet per second
DO	Dissolved Oxygen
°F	Fahrenheit
FERC	Federal Energy Regulatory Commission
FNU	Formazin Nephelometric Unit
ft	Foot or Feet
ft^2	square feet
ILP	Integrated Licensing Process
L	Liter
m	Meter
mg	Milligram
Mg/L	Milligram per liter
Mi	Mile
mS/cm	milliSiemens per centimeter
MW	Megawatt
NOAA	National Oceanic and Atmospheric Administration
NOI	Notice of Intent
NY	New York
NYSDEC	New York State Department of Environmental Conservation
PAD	Preliminary Application Document
Power Authority	New York Power Authority
PSP	Proposed Study Plan
QA/QC	Quality Assurance / Quality Control
RSP	Revised Study Plan
SD1	Scoping Document #1
SPD	Study Plan Determination
the Commission	Federal Energy Regulatory Commission
µmhos/cm	micromhos per centimeter

1 Introduction

1.1 Background

The Power Authority of the State of New York (the Power Authority) is licensed by the Federal Energy Regulatory Commission (FERC or the Commission) to operate the Crescent and Vischer Ferry Hydroelectric Projects (FERC Nos. 4678 and 4679) (Projects) located on the Mohawk River in New York. The Power Authority is relicensing the Projects under the Commission's Integrated Licensing Process (ILP) as outlined in 18 C.F.R. Part 5.

In accordance with 18 C.F.R. §§ 5.5 and 5.6, the Power Authority filed its Notice of Intent (NOI) and Pre-Application Document (PAD) on May 3, 2019, which included the Power Authority's preliminary issues and studies list for the Projects. FERC issued its Scoping Document 1 (SD1) on June 10, 2019 and held public scoping meetings on July 10-11, 2019 in Clifton Park, New York, where potential issues were identified by agencies, stakeholders, and the public.

Subsequently, the Power Authority received comments on the PAD and requests for additional studies. The Power Authority reviewed these comments and study requests and developed a Proposed Study Plan (PSP), which was filed with the Commission on September 23, 2019. The Power Authority held a public meeting to discuss the PSP on October 23, 2019. Written comments on the PSP were received through December 23, 2019.

The Power Authority then developed its Revised Study Plan (RSP), which was filed with FERC on January 21, 2020. On February 20, 2020, FERC issued its Study Plan Determination (SPD), which approved the Power Authority's Water Quality Study with a recommended modification. This study report presents information and results pertaining to the Water Quality Study conducted at the Crescent and Vischer Ferry Projects in 2020.

1.2 Study Goals and Objectives

The goal of this study is to evaluate the effects, if any, of each Project on water quality and to determine compliance with State of New York water quality standards. The objectives of this study are to collect continuous dissolved oxygen (DO) and temperature data in the Project impoundments and tailwater areas during the summer and early fall months (i.e., the period when elevated water temperature and low DO levels are most likely to occur in waters released through the Projects), and to collect additional water quality data for pH, conductivity, and turbidity in the Project impoundments and tailwater areas, sufficient to characterize current water quality at each Project.

1.3 Project Description

The Crescent and Vischer Ferry Projects are located on the Mohawk River in New York at river miles 4 and 14, respectively (Figure 1.3-1); both are operated on a run-of-river basis. The original purpose of the Crescent and Vischer Ferry Dams was to impound water to support navigation on the New York State Barge Canal (Barge Canal); this remains true today as navigation and Barge Canal operations take priority over the operation of the Projects. During unusual conditions or emergencies associated with the system, public safety is always the first priority. Thus, both Projects operate in coordination with the New York State Canal Corporation (Canal Corporation) who operates the Barge Canal. Unless emergency conditions exist,

the Projects operate in run-of-river mode with fluctuations (allowable six inches or less[1]) allowed at Canal Corporation's direction, and as permitted by the existing FERC licenses, to aid navigation, to facilitate flashboard installation and removal, and for canal maintenance or safety.

Crescent Project

The Crescent Project is an 11.8 MW conventional run-of-river hydroelectric project located on the Mohawk River, approximately 4 miles upstream from its confluence with the Hudson River. It is located 2 miles upstream of the School Street Hydroelectric Project (FERC No. 2539) owned by Erie Boulevard Hydropower, L.P.

The Crescent Project generally consists of a dam, powerhouse, impoundment, and appurtenant facilities. The Crescent Dam consists of two independent concrete gravity overflow sections which link each riverbank to a rock island in the middle of the Mohawk River (Figure 1.3-2). Both sections are curved in plan and have a crest at elevation (El.) 184.0 Barge Canal Datum (BCD).

In order to aid canal navigation, one-foot-high (12 inch) wooden flashboards are installed along the crests of both spillways (Dams A and B) seasonally in Spring (generally in April depending on seasonal conditions) and removed in the Fall (generally in November depending on seasonal conditions). When the flashboards are installed, the spillway crest is El. 185.0 ft. BCD. The Crescent impoundment extends upstream approximately 10 miles to the Vischer Ferry Project Dam. At El. 184.0 ft. BCD, the surface area of the impoundment is 2,000 acres and impounds approximately 50,000 acre-feet of water. Installation of the flashboards increases the normal full pool elevation of the impoundment by 1 foot, to El. 185.0 ft. BCD, and the impoundment retains an additional 2,000 acre-feet of water.

Crescent Dam is located at the upstream terminus of the portion of the Canal System known as the Waterford Flight, which includes the canal between Lock E-2 through Lock E-6. The Waterford Flight is a 2.5 mile-long section of canal (with a total lift of 169 feet) which allows boat traffic to bypass Cohoes Falls.

The Crescent powerhouse is located on the western bank (river right, looking downstream) and houses four turbine/generator units: two 2.8 MW Francis turbines and two 3.0 MW vertical Kaplan turbines. The original portion of the powerhouse contains the two original Francis units (Units 1 and 2). The two newer Kaplan units (Units 3 and 4) are located riverward of the original section of the powerhouse.

Crescent Project operations are performed in a manner to maintain the normal full pool elevation of the impoundment. Flow through the Project is through the powerhouse or over the dam. During the non-navigation season, a minimum flow of 100 cubic feet per second (cfs) (or inflow, whichever is less) is required to be passed at the Crescent Dam. In accordance with a July 31, 2007 FERC order, the minimum flow during canal navigation season is increased to 250 cfs and is passed through a notch in the Dam A flashboards. These minimum flows are for fish protection measures. Once minimum flows and any diversions required for canal operations are met, the remaining flow is available for power generation.

Vischer Ferry Project

[1] Allowable fluctuation is defined by FERC's Order Amending Article 41 (November 17, 2000) states "In some instances, the project shall be operated to maintain the reservoir surface elevation in the range from the top of the dam (or top of the flashboards during the navigation season) to a level 6 inches below the top of the dam (top of the flashboards during the navigation season). This 6 inch fluctuation shall not be used for regular ponding operations. It shall be used only in the event of curtailment of inflows due to operations of the upstream Barge Canal."

The Vischer Ferry Project is an 11.8 MW conventional run-of-river hydroelectric project located on the Mohawk River, approximately 14 miles upstream from its confluence with the Hudson River, and approximately 10 miles upstream of the Crescent Project. The Vischer Ferry Project generally consists of a dam, powerhouse, impoundment, and appurtenant facilities. The Vischer Ferry Dam consists of three connected spillway sections (Figure 1.3-3). The two outer sections (Dams D and F) are regular, ungated, ogee-shaped weirs with an average structural height of approximately 30 ft. above rock. The middle section (Dam E) is a broad-crested weir constructed over a small bedrock island near the center of the river. Lock E-7 is located at Vischer Ferry Dam on the western bank (river right, looking downstream), which is on the opposite side of the river from the Vischer Ferry powerhouse.

As with the Crescent Project, flashboards are installed along the crests of the Vischer Ferry Project spillways seasonally from Spring (generally in April depending on seasonal conditions) to the end of navigation season (generally in November depending on seasonal conditions). The flashboards are 27 inches in height and when installed the impoundment elevation is 213.25 ft. BCD. The spillway crest elevation is 211.0 ft. when flashboards are removed. The Vischer Ferry impoundment is 10.3 miles long and the upstream terminus of the impoundment is located at Lock E-8 in Schenectady. At El. 211 ft. BCD, the surface area of the impoundment is 1,050 acres and impounds approximately 25,000 acre-feet of water. Installation of the flashboards raises the normal full pool to El. 213.25 ft. BCD, and the impoundment retains an additional 2,400 acre-feet of water.

The Vischer Ferry Project powerhouse houses four turbine/generator units: two 2.8 MW Francis turbines and two 3.0 MW vertical shaft Kaplan turbines (identical units as at the Crescent Project). The original portion of the powerhouse contains the two original Francis units (Units 1 and 2). The two newer Kaplan units (Units 3 and 4) are located riverward of the original powerhouse. The turbines discharge water into the tailrace, the elevation of which is controlled by the Crescent impoundment level.

Vischer Ferry Project operations are performed in a manner to maintain the normal full pool elevation of the impoundment. Flow through the Project is through the powerhouse or over the dam. A minimum flow of 200 cfs (or inflow, whichever is less) is required to be passed at the Vischer Ferry Dam. An 8 foot section of the flashboards on Dam F is removed during navigation season to provide fish passage flow. Once Project minimum flows and any diversion required for canal operations are met, the remaining flow is available for power generation.

1.4 Water Quality Standards and Classifications

The New York State Department of Environmental Conservation (NYSDEC) defines the Mohawk River at the Crescent and Vischer Ferry Projects as Class A waters, except for the Barge Canal Section associated with the Crescent Project, which is classified as Class C waters. The Barge Canal section classified as Class C includes the Waterford Flight portion of the canal from Lock E-6 where it joins the Mohawk River at the Crescent Project down to Lock E-2, approximately 1.5 miles further down the canal. These classifications are listed in Table 1.4-1.

Class A waters are described as a source of water supply for drinking, culinary or food processing purposed, primary and secondary contact recreation, and fishing. Pursuant to 6 NYCRR § 701.6, the waters “shall be suitable for fish, shellfish, and wildlife propagation and survival”. Class C waters are described as suitable for fish, shellfish and wildlife propagation and survival. The water quality shall be suitable for primary and secondary contact recreation, although other factors may limit the use for these purposes (6 NYCRR § 701.8). Class A and C waters have the same numerical standard for dissolved oxygen and pH: both shall

have a minimum daily average of no less than 5.0 mg/L of dissolved oxygen and pH should not be less than 6.5 nor more than 8.5. See Table 1.4-2.

Table 1.4-1: New York State Waterbody Classifications for Project Waters

Name	Description	Class	Standards
CRESCENT PROJECT			
Mohawk River	From Crescent Dam to point 1.0 mile above bridge across Mohawk River on U.S. Route 9.	A	A
Mohawk River	From point 1.0 mile above bridge across Mohawk River on U.S. Route 9 to Lock E-7.	A	A
Barge Canal (Waterford Flight Section)	From Lock E-2 to vicinity of Crescent Dam where Mohawk River and Barge Canal join. This section is the lower end of the Barge Canal.	C	C
VISCHER FERRY PROJECT			
Mohawk River	From Lock E-7 to Schenectady-Scotia Bridge across Mohawk River on N.Y. Route 5.	A	A
Mohawk River	From Schenectady-Scotia Bridge across Mohawk River to Schenectady-Montgomery County line (includes reach from Route 5 Bridge to Lock E-8.)	A	A

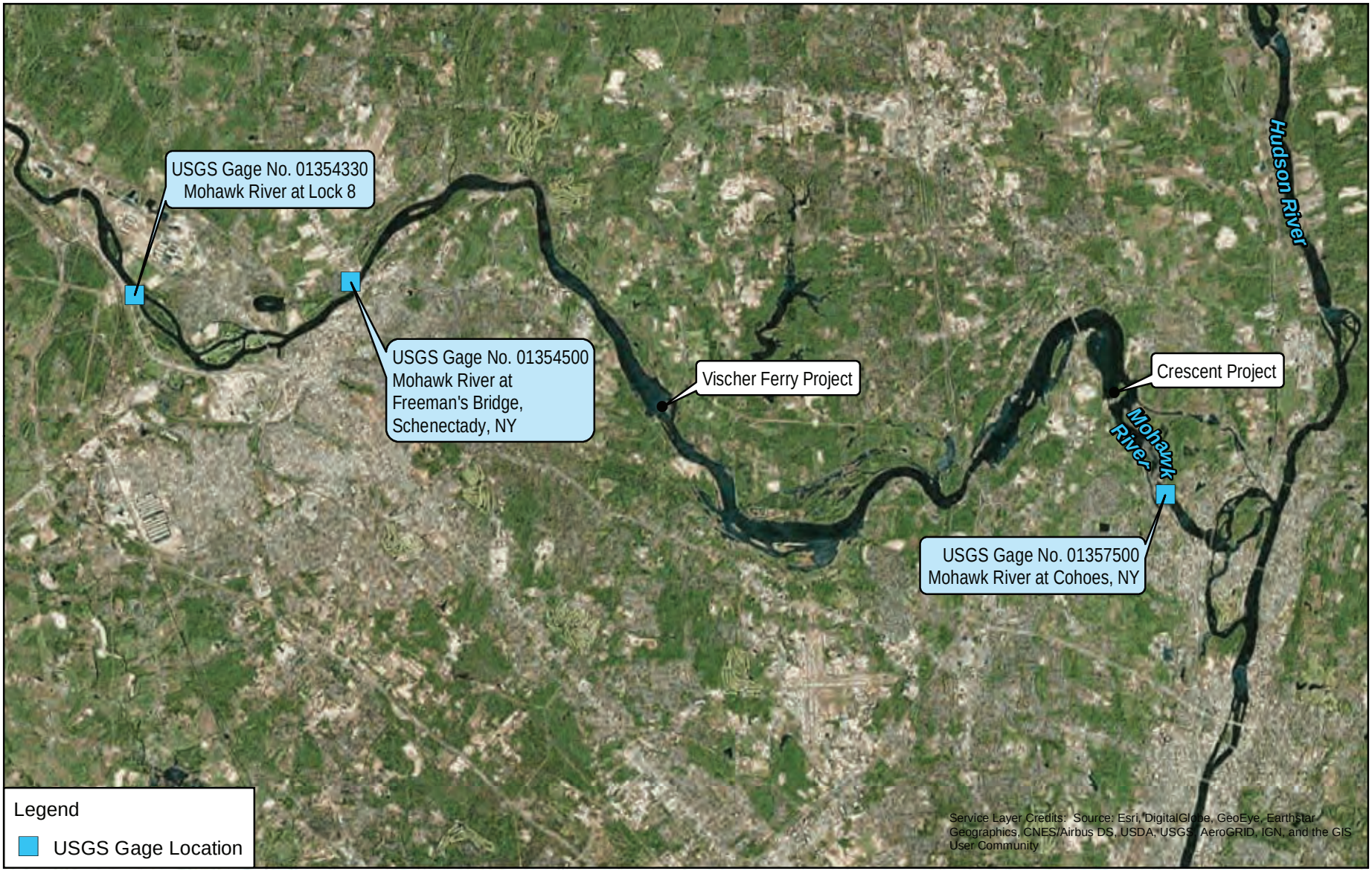
Source: 6 NYCRR § 876.4

Table 1.4-2: New York State Water Quality Standards for Class A and C Waters

Parameter	Standard*
pH	Shall not be less than 6.5 nor more than 8.5
Dissolved oxygen (DO)	For non-trout waters, the minimum daily average shall not be less than 5.0 mg/L, and at no time shall the DO concentration be less than 4.0 mg/L.

**Standards applicable to both Class A and C, unless otherwise noted.*

Source: 6 NYCRR § 703.3



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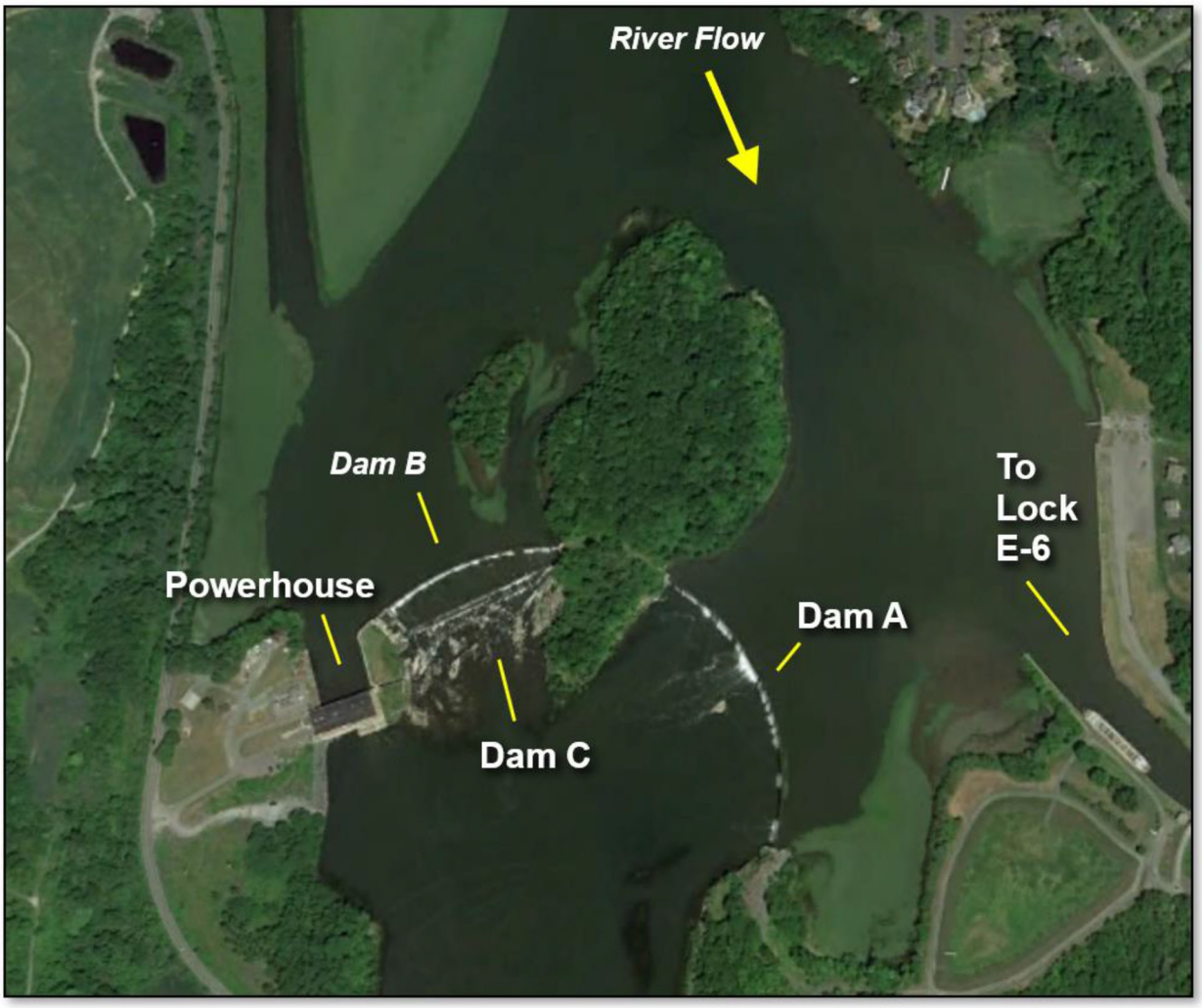
0 1 2 4
Miles

Figure 1.3-1:
Locations of Crescent
and Vischer Ferry Projects

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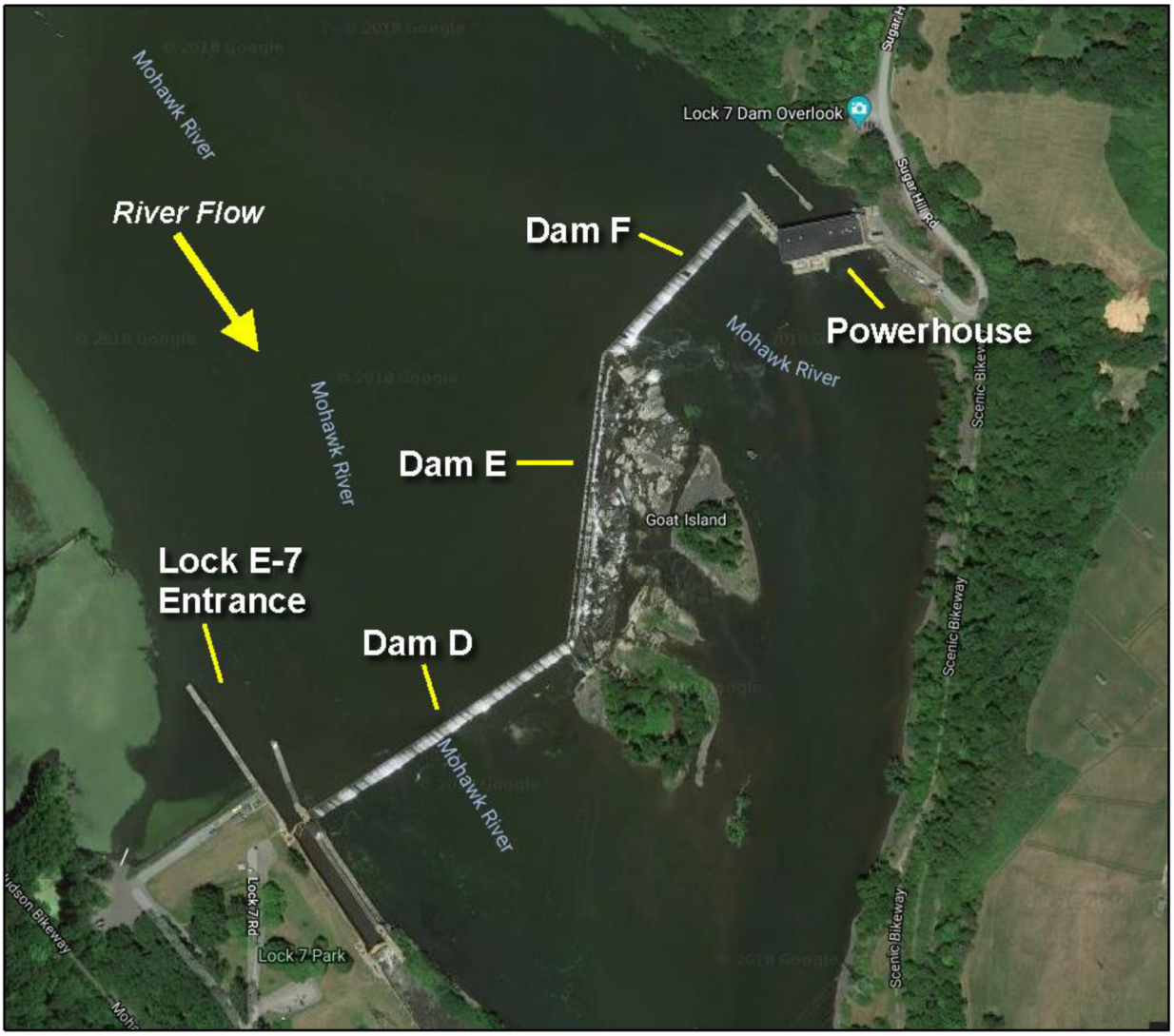
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Figure 1.3-2: Major Project Facilities of the Crescent Project



Source: PAD.

Figure 1.3-3: Major Project Facilities of the Vischer Ferry Project



Source: PAD.

2 Methodology

2.1 Monitoring Locations

Water quality monitoring in 2020 was conducted at two general locations of each Project. Continuous monitoring of dissolved oxygen and temperature was conducted in the lower impoundment (Forebay) and the powerhouse tailwater (Tailrace). The Forebay locations represented the conditions at the intake of each Project and the Tailrace locations represented the conditions of turbine discharge regardless of turbine operation.

Figures 2.1-1 and 2.1-2 provide maps of the Project area showing the water quality monitoring locations. Representative photographs of the monitoring locations are contained in Figures 2.1-3 through 2.1-6.

2.2 Water Quality Monitoring Methods

2.2.1 Continuous Temperature and DO Monitoring

The RSP called for water quality monitoring to begin in May and continue through October 2020. Due to the global Covid-19 pandemic, early season water quality monitoring was delayed while safety and access measures were determined. With proper planning and precautions, the water quality monitoring was initiated on June 12, 2020.

Continuous monitoring of water temperature and dissolved oxygen was conducted using HOBO Dissolved Oxygen Loggers (Model U26-001). One HOBO Water Level Logger (U20-001-01) was used to collect barometric pressure and air temperature data from each Project. The continuous loggers collected data every 15 minutes from June 12 through November 4, 2020. The instruments were serviced weekly.

A YSI Pro DSS handheld monitor was used to conduct independent spot measurements at each monitoring site during the weekly site visits. Discrete data were recorded in a field logbook and compared against continuous data records (collected within the same 15-minute time interval) to ensure the logger was functioning properly. The manufacturer's software (HOBOware) was used to calculate oxygen as percent saturation using concurrent barometric pressure data, DO concentration and temperature data. The accuracy, range, and resolution of each sensor are outlined in Table 2.2-1.

Continuous monitors were installed from shore at the forebay sites for each Project. The forebay monitors were affixed to cables at the sampling depth and attached to the railings along the forebay wall. The cables were weighted at the bottom to keep the meter in place. At the tailrace monitoring sites, the continuous monitors were deployed and accessed by boat. Each monitor was affixed at the sampling depth to a cable anchored to the river bottom; at the top of the cables were buoys to keep the water quality monitors suspended in the water columns.

All monitors were located at approximately mid-depth in the water column. Details of each monitoring location are described in Table 2.2-2. At the Crescent Forebay site, the water quality logger was placed at a depth of 2 meters from the surface and had a total water depth of 3.7 meters. The Crescent Tailrace water quality logger was installed to a depth of 3 meters from the surface and the total water depth was 6 meters. At the Vischer Ferry Forebay, the sampling location was the deepest monitoring site at both Projects having a total water depth of 8.2 meters; the water quality logger was installed to a depth of 4 meters from the surface at this site. The Vischer Ferry Tailrace water quality logger was installed to a depth of 2 meters below the surface and had a total water depth of 3.6 meters. One air pressure logger was

installed at the forebay location at each Project.

2.2.2 Bi-Weekly Vertical Profiles

At all four monitoring locations, vertical water quality profiles were collected every two weeks between June 12 and November 3-4, 2020, resulting in 12 vertical profiles at each site. The profile data were generally collected from early to mid-morning bi-weekly. Data were collected to characterize the water quality conditions throughout the water column at each site.

A handheld multiparameter monitor (YSI model Pro DSS) was used to collect water quality data at 1-meter increments, from just below the water surface (0.1 meter) to between 1 and 0.5 meters from the river bottom. Water temperature, DO (% saturation and mg/L), pH, conductivity, and turbidity readings were collected at each location. The instrument was lowered to each sampling depth interval until the readings stabilized and were recorded. The accuracy, range, and resolution of each sensor are outlined in Table 2.2-1.

2.3 Field QA/QC Procedures

Adherence to standard methods and QA/QC procedures for water quality monitoring helps ensure that the resulting data will be accurate, precise, comparable, and representative. QA/QC procedures were conducted throughout the study period. Only personnel trained or experienced in the measurement and data recording techniques described above conducted the field data collection. Prior to deployment, the continuous water quality monitors were inspected, tested for battery life and the DO sensors calibrated. Temperature sensors were factory calibrated. The instruments were serviced weekly, which included independent spot measurements of water temperature and DO, offloading the continuous data files, cleaning the monitor and checking calibration, and then re-deploying the monitor. The DO sensors on the continuous water quality instruments were checked for calibration during each site visit and recalibrated as necessary. One replicate water quality measurement was taken during each vertical profile.

The sensors (DO, pH, specific conductivity, and turbidity) on the handheld device were calibrated according to the manufacturer's specifications prior to each sampling event. DO was calibrated to 100% saturation; pH was calibrated using a 3-point method using buffer solutions of 4.0, 7.0, and 10.0; specific conductance was calibrated using a 1000 µmhos/cm solution; and turbidity was calibrated using a 3-point calibration method using calibration solutions 0.0,12.7, and 1000 FNU.

2.4 Data Compilation and Review

2.4.1 Weather, Flow, and Operations Data

To support the water quality data analysis process, weather, flow and Project operations data were obtained for the period concurrent with the water quality monitoring period. Air temperature and precipitation data collected from a nearby weather station during the monitoring period were obtained from the online Northeast Region Climate Center – NOAA Online Weather Data[2] from the Albany International Airport NY, located approximately 11 miles southwest of the Projects. In addition to daily weather observations during the 2020 monitoring period, the data included long-term (1981-2010[3]) monthly normal air temperature and precipitation data for comparison. Visual observations of weather and flow conditions were also recorded

[2] http://www.nrcc.cornell.edu/wxstation/nowdata.html
[3] The 1981-2010 U.S. Monthly Climate Normals data set is the most recent long-term monthly normals data released by NOAA. This data set is updated every 10 years.

at the Projects on each sampling day.

Mohawk River flow data were obtained from two U.S Geological Survey (USGS) gages to support this study: 1) Freeman's Bridge in Schenectady, NY (No. 01354500), located approximately 6.9 miles downstream of the Vischer Ferry Project with a period of record from August 2011 to current year, and 2) the Mohawk River at Cohoes, NY (No. 01357500), located approximately 1.7 mi downstream of the Crescent Dam with a period of record dating back to 1925 at its current location. See Table 2.4.1-1 for details on these stream flow gages. The location of these gages in relation to the Projects is shown in Figure 1.3-1.

Operations data corresponding to the water quality monitoring period of June through November 2020 were obtained for both Projects. Hourly data for total flow through the Project turbines were used to support this study. In addition, the status of the flashboards at each Project Dam during the monitoring period is reported in the results.

In addition, the USGS maintains a gage on the Mohawk River at Lock 8 (No. 01354330) located about 10.7 miles upstream of the Vischer Ferry Project. The Mohawk River Lock 8 gage has a period of record extending back to December 2011. Water quality data such as continuous dissolved oxygen and temperature were obtained from this gage and compared to the study results.

2.4.2 **2020 Water Quality Data Compilation and Review**

Each water quality monitoring site was visited weekly to offload the continuous data, service the water quality sensors, and collect discrete spot check measurements. Discrete data were recorded on field data sheets the day of sampling. Collected data included discrete DO and water temperature measurements, general weather conditions, Projects operation status, and monitor calibration notes. Continuous temperature and DO data were stored in the instrument's internal memory and downloaded during each weekly sampling event. For bi-weekly vertical profiles, all parameters were recorded on field data sheets.

All field collected data underwent a thorough QA/QC review process to ensure accuracy of the dataset. Data were reviewed after each weekly service throughout the course of the study to confirm the accurate transfer of data and to screen for instrument or sensor error. Each dataset was compiled and subsequently reviewed. The desktop review of the dataset consisted of tabulating, charting and visually examining the data for erroneous measurements.

Continuous DO data that did not match the concurrent spot measurements (i.e., generally a difference of more than ±0.5 mg/L DO) were flagged and adjusted using the HOBOware DO Data Assistant, if necessary. This software tool was used to adjust the DO values as a result of measurement drift due to biofouling or if the DO sensor was out of calibration. This correction process was only performed if biofouling of the logger was believed to have compromised the measurements. Data corrections for fouling or calibration drift were based on spot measurements collected during servicing and best professional judgement during the data review process.

Following the desktop review, the data were either qualified as normal, adjusted or rejected. Data qualified as normal or adjusted were determined to be acceptable and representative of the present environmental conditions. Rejected data were not included in the final data set. Rejected data included erroneous measurements collected when the sensors were out of water during weekly service visits, or when there was an obvious sensor mis-read identified during the data review process.

Table 2.2-1: Water Quality Instrument Specifications

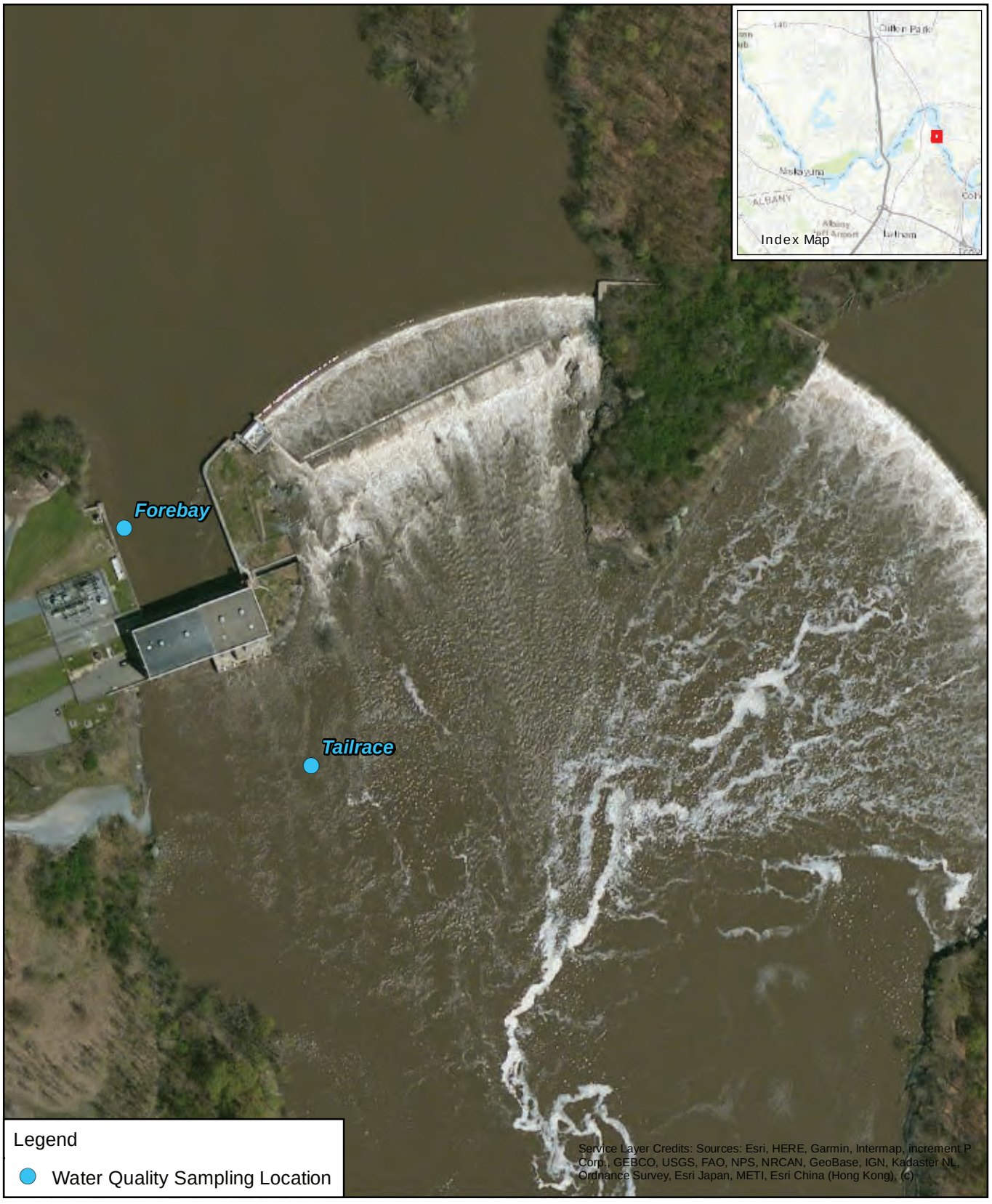
Parameter	Specification	Description
HOBO® Dissolved Oxygen Logger (U26-001)		
Optical Dissolved Oxygen (mg/L)	Operating Range	0 to 30 mg/L
	Accuracy	0.2 mg/L up to 8 mg/L; 0.5 mg/L from 8 to 20 mg/L
	Resolution	0.02 mg/L
Temperature (°C)	Operating Range	-5 to 40°C
	Accuracy	0.2°C
	Resolution	0.02°C
YSI Pro DSS Multiparameter Water Quality Meter		
Dissolved Oxygen (% saturation)	Sensor Type	Optical Luminescence
	Range	0 to 500 % air saturation
	Accuracy	± 1 % air saturation
	Resolution	0.1 % air saturation
Dissolved Oxygen (mg/L)	Sensor Type	Optical Luminescence
	Range	0 to 50 mg/L
	Accuracy	± 0.1 mg/L
	Resolution	0.01 mg/L
Temperature (°C)	Sensor Type	Thermistor; combination sensory with conductivity
	Range	-5 to +70°C
	Accuracy	± 0.2°C
	Resolution	0.1°C
pH (mV, pH units)	Sensor Type	Glass Bulb Combination Electrode; Ag/AgCl Reference Gel
	Range	0 to 14 units
	Accuracy	± 0.2 units
	Resolution	0.01 units
Conductivity	Sensor Type	Four Nickel Electrode Cell
	Range	0 to 200 mS/cm
	Accuracy	± 0.5%
	Resolution	0.001, 0.01, 0.1 mS/cm
Turbidity (FNU)	Sensor Type	Nephelometric-optical, 90° Scatter
	Range	0 to 4000 FNU
	Accuracy	± 0.2%
	Resolution	0.1 FNU

Table 2.2-2: Crescent and Vischer Ferry Projects 2020 Water Quality Monitoring Sites

Site	Monitor Depth (m)	Site Depth (m)
Crescent Forebay	2.0	3.7
Crescent Tailrace	3.0	6.0
Vischer Ferry Forebay	4.0	8.2
Vischer Ferry Tailrace	2.0	3.6

Table 2.4.1-1: USGS Monitoring Gages

Gage Name	Gage Number	Location	Notes
Mohawk River at Lock 8	USGS 01354330	Lat 42°49'41.37" Long 73°59'25.34" On right bank 330 ft downstream of Lock 8 on the Erie (Barge) Canal, 2.9 mi west of Schenectady. Drainage area = 3,270 mi^2	Continuous water quality parameters (DO and water temperature) used for this study. Representative of conditions upstream of the Projects.
Mohawk River at Freeman's Bridge, Schenectady, NY	USGS 01354500	Lat 42°49'49.9" Long 73°55'50.7" On left bank downstream from bridge on Freeman's Bridge Road, 1.2 mi north of Schenectady. Drainage area = 3,310 mi^2	Daily average stream flow used for this study. Generally representative of Mohawk River flow conditions upstream of the Projects. Shorter period of record (August 2011 to current year) for comparison of 2020 flow conditions to long-term normal.
Mohawk River at Cohoes, NY	USGS 01357500	Lat 42°47'07.4" Long 73°42'28.0" On right bank at School Street powerplant in Cohoes, and 2.0 mi upstream from mouth. Drainage area = 3,450 mi^2	Daily average stream flow compared to long-term data used for this study for an overview of flow conditions experienced during the 2020 monitoring period. Longer period of record (discharge since July 1925 at the current gage location) for comparison of 2020 flow conditions to long-term normal.



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0 100 200 400 Feet

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Figure 2.1-1
Crescent Water Quality
Monitoring Sites

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Projects Relicensing
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Figure 2.1-2
Vischer Ferry Water
Quality Monitoring Sites

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Figure 2.1-3: Photograph of Crescent Forebay Monitoring Location



View is looking upstream from project intake. Water quality monitoring location on Right Bank (left wall in picture), identified by yellow circle.

Figure 2.1-4: Photograph of Crescent Tailrace Monitoring Location



View from Right Bank near boat launch. Water quality monitoring location at buoy, circled in yellow.

Figure 2.1-5: Photograph of Vischer Ferry Forebay Monitoring Location



View is looking upstream from project intake. Water quality monitoring location on left forebay wall in picture, identified by yellow circle.

Figure 2.1-6: Photograph of Vischer Ferry Tailrace Monitoring Location



View from Left Bank near tailwater fishing access. Water quality monitoring location at buoy, circled in yellow.

3 Results

3.1 2020 Weather, Flow, and Operations Conditions

3.1.1 Weather Conditions

Weather conditions in the study area during the 2020 monitoring period were compared to long-term averages. Table 3.1.1-1 displays the 2020 monthly temperature and precipitation data against the long term normal (1981-2010). Figure 3.1.1-1 shows the 2020 average daily air temperature and the month-to-date precipitation in Albany, NY. Air temperatures were warmer than normal for June and July, with June being 3.6°F warmer than normal and July being 4.1°F warmer than normal. The months of August through October were slightly cooler than normal. Monthly precipitation values were lower than normal for every month except August; a tropical storm in early August came through the area and resulted above normal precipitation for that month (+2.61 inches above normal monthly precipitation value).

The United States Drought Monitor[4] considered the Mohawk River basin to be abnormally dry in early June - July 2020. During most of August – September 2020 the watershed was classified as normal in terms of drought conditions, however, some areas of the watershed were in moderate to severe drought during October 2020.

3.1.2 River Flow and Operations Conditions

River Flows

Flows in the Mohawk River during the 2020 monitoring period were generally below normal, though there were short-term events of higher flows at the Projects in response to precipitation in the watershed. Figure 3.1.2-1 shows 2020 daily average flows compared to the long-term median upstream at the Mohawk River USGS gage at Freeman's Bridge in Schenectady, NY. Figure 3.1.2-2 shows 2020 daily average flows downstream of the Projects compared to long-term median flows at the Mohawk River USGS gage at Cohoes, NY. This gage at Cohoes, NY was included due to the gage holding a longer period of record. During the study period, river flows were generally at or below normal, particularly in June and July. A storm event in early August caused river flow to increase, but flows were back to, or below, normal by mid-August and remained low through September. Water quality data were collected under a range of environmental conditions, including high temperature and low flow periods.

River flows in May were very high in early and mid-May and generally receded (Figure 3.1.2-1 and Figure 3.1.2-2) throughout the month. The RSP called for water quality monitoring to begin in May, but due to the global pandemic, initiation of the monitoring program was delayed until June 12 while safety and access measures were established.

Operations Data

During the 2020 water quality monitoring period, the Projects were operated as normal with a few exceptions. Due to the global pandemic, the Canal Corporation initiated the canal navigation season later than usual. The Waterford Flight locks (on the opposite side of the river from the Crescent plant) opened for navigation season on June 16, 2020. Lock E-7 (on the opposite side of the river from the Vischer Ferry

[4] https://droughtmonitor.unl.edu/Data/DataTables.aspx filtered for Mohawk River basin (HUC 02020004).

plant) and Lock E-8 opened for navigation season on July 17. As a result, the Power Authority installed the flashboards at the Project dams between June 25 to July 1, 2020. Flashboards are typically installed earlier in the spring, depending on the seasonal river flow conditions. The Canal Corporation ended the 2020 navigation season on October 14, 2020. The Power Authority removed the flashboards at the Vischer Ferry and Crescent dams in November, after the water quality monitoring program was completed for 2020.

Hourly turbine outflows at each Project are included in the charts showing the continuous DO data series (Appendix A). One turbine at Vischer Ferry (Kaplan Unit 4) was out of service due to maintenance during the 2020 water quality monitoring period. As shown in the DO data series charts, the Project turbines were generally run at low levels during the monitoring period due to lower river inflows. There were periods during July when inflows were too low to run any of the turbines at the Projects for several days; the turbines were off-line, and inflow was passed over the dams during these periods. A high flow event allowed the Projects' turbines to run at higher output levels from August 4-6 and during the latter part of October 2020.

3.2 Data Review

Continuous data collection resulted in over 13,000 hourly water temperature and DO records at each monitoring location. Table 3.2-1 shows the total data records, as well as the percent adjusted and rejected from the data set at each site. Weekly spot checks were generally in agreement with concurrent data from the continuous loggers. Note the spot check data are shown on the dissolved oxygen charts in charts presented in Section 3.3.2 of this report. Data were reviewed by an experienced scientist and any erroneous data were rejected using professional judgement.

The continuous DO readings that were adjusted due to discrepancies with spot check measurements occurred at the Crescent Project in both the Forebay and Tailrace. 14.3% of the DO data was adjusted from the Crescent Forebay and 9.5% was adjusted from the Tailrace. No data corrections at the Vischer Ferry locations were necessary. Less than 0.1% of all continuous data was rejected at each site (see Table 3.2-1); rejected data occurred primarily when the loggers were out of water for servicing. Continuous data from both Vischer Ferry monitoring sites were lost for a week-long period between June 25 and July 2 due to a data file corruption. Post-processing corrections and missing and rejected data are summarized below.

- Temperature and DO continuous data files from 6/25 to 7/2 were lost at the Vischer Ferry Project due to data file corruption.
- DO data files from 7/2 to 7/9 were adjusted at the Crescent Project Tailrace using concurrent discrete DO data from 7/9.
- DO data files from 8/13 to 8/20 were adjusted at the Crescent Project Forebay using concurrent discrete DO data from 8/20.
- DO data from the Vischer Ferry Forebay were not adjusted for the period 7/2 through 7/9 even though concurrent spot checks were not within ±0.5 mg/L. As presented further in the results, the Vischer Ferry Forebay DO levels were stratified with low DO in the lower water column during this period. The differences in the spot check and concurrent continuous DO data were likely due to variations in DO within the water column vertically; therefore, the continuous data were not adjusted (see Figure 3.3.2-11).
- Turbidity profile data from 6/25 were all rejected due to a bad calibration process on the turbidity sensor.

None of the lost or adjusted data materially affected the ability of the study to meet its goals and objectives.

3.3 Continuous Water Quality Monitoring Results

Continuous monitoring of DO and water temperature was conducted in both the Forebay and Tailrace of each Project. Monitors were deployed from June 12 to November 3-4. The data results are presented in tabular and graphical form. Table 3.3-1 contains monthly minimum, maximum, and averages for water temperature and DO values for a broad comparison among the continuous monitoring sites.

3.3.1 Continuous Water Temperature Results

Figure 3.3.1-1 depicts an overview of the water temperatures at all four continuous monitoring sites for the monitoring season during June through October. Water temperature data from the upstream USGS Gage at Lock 8 were included on the continuous data figures for comparison. Throughout June, water temperatures warmed steadily at all sites and remained above 25 °C for most of July. The maximum water temperatures among all sites were observed in July and ranged from 28.4 °C to 29.5 °C. Table 3.3-1 contains monthly minimum, maximum, and averages for water temperature values at each of the continuous monitoring sites. Water temperatures cooled in early August in response to heavy precipitation and increased river flows. After warming again through the month of August, water temperatures at all sites generally decreased for the remainder of the sampling period in September and decreased rapidly at all sites in mid to late October, which was unusually cooler than normal (Figure 3.1.1-1).

In general, the water temperature observed across the monitoring locations for both Projects were very similar. The monthly average water temperature at the four sites was generally within +/- 0.2 °C, except during June when the Vischer Ferry Forebay site was cooler (Table 3.3-1). This monitoring site was the deepest and was slower to warm compared to the other sites.

A more detailed view of the water temperature data is plotted on a monthly time step showing USGS daily average flow data from the Mohawk River at Freeman's Bridge gage in Appendix A (Figures A-6 through A-10). Water temperature data from the USGS gage on the Mohawk River at Lock 8 is included on the monthly temperature charts for comparison.

The water temperatures among all sites were consistently similar through the monitoring period. Diurnal patterns of warming during the day and cooling at night were observed and were generally similar among all sites; however, due to the Vischer Ferry Forebay being deeper than the other sites, daily warming at that monitoring location was muted during June and July.

3.3.2 Continuous Dissolved Oxygen Monitoring

Dissolved oxygen data collected for this study are presented in several ways. As with temperature, Table 3.3-1 contains monthly minimum, maximum, and averages for DO values for a broad comparison among the continuous monitoring sites.

Consistent with the continuous water temperature charts, Appendix A (Figures A-1 through A-5) contains continuous DO concentration data from all sites on a monthly time step showing USGS flow data from the Mohawk River at Freeman's Bridge gage (DO percent saturation charts are in Figures A-11 through A-15 in Appendix A). DO data from the USGS gage on the Mohawk River at Lock 8 is included on this series of DO charts for comparison.

To evaluate the potential effects of Project generation on DO levels, monthly charts were developed for

each monitoring location showing the continuous DO and water temperature along with total flow through the Project turbines. Figures 3.3.2-1 through 3.3.2-5 show data for the Crescent Tailrace, and Figures 3.3.2-6 through 3.3.2-10 show data for the Crescent Forebay for comparison. Figures 3.3.2-11 through 3.3.2-15 show data for the Vischer Ferry Tailrace, and Figures 3.3.2-16 through 3.3.2-20 show data for the Vischer Ferry Forebay for comparison.

Daily patterns in DO were highly irregular and erratic at all four sampling sites, in particular at the forebay sites. For example, DO values in the Crescent Forebay were very high during late day periods during some of June and July; high DO concentrations were observed in the Crescent Tailrace during these periods as well.

Among all the sites, the lowest instantaneous DO value was recorded in July at the Crescent Forebay on July 11, 2020 (Figure 3.3.2-7). DO in the Crescent Tailrace fell below 4.0 mg/L for a short period on this day as well. The Crescent Project turbines were off-line and inflows were passed at the dam as flashboard leakage and fish bypass flows during this period (see Figure 3.3.2-2). When the turbines were restarted on July 11, DO at both the Crescent Forebay and Tailrace increased. The daily DO fluctuations in the Crescent Forebay were apparent regardless of whether the turbines were off-line or running at low levels. Large daily DO fluctuations at the Crescent Forebay location persisted in July and August. It should be noted that significant stands of floating aquatic vegetation (i.e., water chestnut) are abundant in each Project impoundment upstream of the Project intakes (Power Authority, 2021) and these plants can contribute to the observed variability in daily DO concentrations through respiration, photosynthesis and decomposition.

Despite the DO data showing larger fluctuations in the Crescent Forebay compared to the Tailrace, the overall average daily DO concentrations for the entire study period at Crescent between both sites were within +/- 0.1 mg/L, ranging from 7.92 to 7.99 mg/L as shown in Table 3.1.1-1.

Vischer Ferry Forebay DO levels displayed erratic patterns, similar to the Crescent Forebay, although intra-day fluctuations were not as pronounced. The minimum instantaneous DO values measured at the Vischer Ferry Forebay on July 20 (Figure 3.3.2-17). During this period, and other days when DO was very low in the Vischer Ferry Forebay (July 7-11), the Vischer Ferry Project was off-line (i.e., no turbine discharge), yet the concurrent tailrace measurements were well oxygenated (Figure 3.3.2-12). After the low DO reading in the Vischer Ferry Forebay on July 20, DO suddenly increased very rapidly. It is likely that the dissolved oxygen levels in the Project impoundments are being influenced by the productive aquatic vegetation present there. Another notable trend was observed on July 11, when the turbines came back on-line late in the day after a period of no generation. The DO at the Vischer Ferry Forebay site increased rapidly when the turbines were started and both sites at Vischer Ferry remained well oxygenated until the turbines went off-line again due to low river flows on July 18. The lowest instantaneous DO reading at the Vischer Ferry Tailrace was 4.50 mg/L. The Vischer Ferry Tailrace remained well oxygenated during periods of Project generation when there was lower DO in the Forebay.

At both Projects, the DO daily averages did not drop below 5.0 mg/L in either tailrace. Looking at daily DO averages, the lowest (3.36 mg/L, July 11) and highest (13.08 mg/L, June 22) values were recorded in the Crescent Forebay. Table 3.3.2-1 shows the percent of days for each site where the daily average DO mg/L dropped below 5.0 mg/L. Both Crescent and Vischer Ferry Forebay sites experienced daily DO averages that dropped below 5.0 mg/L in July and August, with 9% of the daily average data being below 5.0 mg/L in the Vischer Ferry Forebay and 8% in the Crescent Forebay. Despite the lower DO at times in the forebays, the average daily DO values in each tailrace were always greater than 5.0 mg/L.

3.4 Bi-Weekly Vertical Profile Results

Bi-weekly vertical profiles were taken at each of the four sites at the Projects. Measurements included water temperature, DO (mg/L), DO (% saturation), pH, conductivity, and turbidity. Figures 3.4.1 through 3.4-3 depict the vertical profile data for each site and the tabular data are contained in Appendix B.

Figures 3.4-4 and 3.4-5 show temperature isopleths at each vertical profile site for the Projects over the study period. The isopleths depict changes in the vertical data profile data over time. The Vischer Ferry forebay displayed temperatures consistently over 20 °C for the study period up until September 18. Temperature within the water column was always consistent from top to bottom. The Vischer Ferry tailrace profiles displayed water temperatures that were similar to the Forebay.

The Crescent forebay and tailrace temperature profiles also displayed consistent patterns. There was no evidence of vertical stratification in temperature at any monitoring location. The temperature was well mixed from top to bottom at each site and, as demonstrated by the continuous water temperature data, consistent from upstream to downstream.

Figures 3.4-4 and 3.4-5 show the dissolved oxygen isopleths at each vertical profile site for the Projects. The Vischer Ferry Forebay profile site had higher DO in June and early July in the upper 3 meters of the water column. Even though water temperatures were consistent from top to bottom in the Vischer Ferry Forebay consistently throughout the monitoring period, DO stratification occurred on June 25, July 2, and July 9. DO values < 4.0 mg/L were recorded in the deeper portions of the water column on July 9; on this date the Project was not operating. On July 24 (turbines off-line), surface DO levels were actually lower than deeper areas of the water column.

Weak DO stratification in the Vischer Ferry Forebay was also observed on August 20, when DO dropped below 4.0 mg/L at depths of 4.0 meters and below. On this date, one turbine was operating at its lowest setting. The Vischer Ferry Tailrace profile site was well mixed throughout the study period and DO remained above 5.0 mg/L at all depths. This remained true even when stratification occurred in the Forebay.

The vertical profile data from the Crescent Forebay shows the water column was generally well mixed as DO was typically consistent from top to bottom. On July 9, DO was higher at the surface in the Crescent Forebay; as with the Vischer Ferry Project, during this time the Crescent Project was not operating either. DO was lowest in the Crescent Forebay on August 4, dropping below 5.0 mg/L at all depths. The Crescent Tailrace was well mixed throughout the study period. The lowest DO readings recorded during the bi-weekly profiles occurred on August 4, but all values remained above 5.0 mg/L. Two turbines were operating at Crescent during the August 4 profiles.

The pH generally stayed consistent from top to bottom in the water column throughout the study period, except during periods of DO stratification at Vischer Ferry Forebay. On June 25, the pH was stratified in the water column, decreasing from 8.86 at the surface to 8.01 just above the bottom. On July 9 the pH was stratified, varying from 8.54 at the surface to 7.14 near the bottom of the forebay. The DO was also stratified on these same dates for this site. The pH at all sites ranged from 6.98 to 8.86. The two surface measurements at the Vischer Ferry Forebay were the only incidents of the pH values above 8.5. These high pH values correspond to the high DO values observed concurrently. Like dissolved oxygen concentrations, pH in water can be affected by photosynthesis and other chemical reactions. Photosynthesis produces oxygen but uses up dissolved carbon dioxide which acts like carbonic acid (H_2CO_3) in water. Carbon dioxide removal, in effect, reduces the acidity of the water and so pH increases.

Discrete conductivity measurements at the Crescent Project ranged from 337.4 to 407.6 µS/cm and were similar at the Vischer Ferry Project where measurements ranged from 334.9 to 445.0 µS/cm. There was no evidence of stratification for conductivity at any monitoring site as shown in Figure 3.4-2. Discrete turbidity measurements were ≤ 10.0 FNU at all sites between both Projects. Vischer Ferry Forebay generally had the highest turbidity values of the four sites. This site can experience turbulence due to wind fetch. Vischer Ferry Tailrace had the lowest turbidity. There was no evidence of vertical stratification of turbidity at any monitoring site, as shown in Figure 3.4-3.

Table 3.1.1-1: Monthly Long-Term Average Air Temperatures and Precipitation Compared to 2020 at Albany International Airport, NY

Month	Average Daily Air Temperature (°F)			Monthly Precipitation (inches)		
	Mean (2020)	Normal (1981-2010)	Departure	Total (2020)	Normal (1981-2010)	Departure
June	70.8	67.2	3.6	1.98	3.79	-1.81
July	75.9	71.8	4.1	3.57	4.12	-0.55
August	68.8	70.1	-1.3	6.07	3.46	2.61
September	59.7	61.9	-2.2	2.63	3.30	-0.67
October	48.9	48.7	-0.8	3.13	3.68	-0.55

Source: NOAA Online Weather Data for Albany International Airport, NY.

Table 3.2-1: Data QA Summary

Site	Total Data Points	Percent Adjusted (Dissolved Oxygen)	Percent Rejected (Temp and/or DO)
Crescent Forebay	13,919	14.4%	0.08%
Crescent Tailrace	13,916	9.5%	0.11%
Vischer Ferry Forebay	13,121	0%	0.09%
Vischer Ferry Tailrace	13,243	0%	0.05%

Table 3.3-1: June – October 2020 Monthly Continuous Water Quality Summary Results

	Crescent Project Forebay			Crescent Project Tailrace			Vischer Ferry Project Forebay			Vischer Ferry Project Tailrace		
	Temp (°C)	DO (mg/L)	DO (%)	Temp (°C)	DO (mg/L)	DO (%)	Temp (°C)	DO (mg/L)	DO (%)	Temp (°C)	DO (mg/L)	DO (%)
June												
Maximum	28.6	21.05	274.1	27.3	13.99	177.3	27.9	15.52	200.8	28.1	13.55	200.8
Minimum	21.4	4.24	51.1	21.5	6.65	75.9	20.8	5.37	65.8	21.1	6.87	65.8
Average	24.7	9.31	112.8	24.9	9.12	110.6	23.4	8.08	95.4	24.3	8.81	95.4
July												
Maximum	29.5	14.76	194.9	29.0	12.07	152.7	28.4	11.39	146.8	29.3	9.40	146.8
Minimum	24.4	0.63	8.3	24.4	3.40	43.3	23.7	1.67	21.0	24.3	5.19	21.0
Average	26.9	7.11	92.2	26.9	7.12	89.8	26.5	6.18	79.9	27.0	7.38	79.9
August												
Maximum	28.2	14.68	183.0	28.2	10.60	136.2	27.8	10.69	133.9	28.2	9.88	133.9
Minimum	22.8	1.68	21.3	22.8	4.12	51.8	24.0	2.18	26.5	22.4	4.50	26.5
Average	25.6	6.28	77.3	25.6	6.66	83.1	25.6	6.28	75.5	25.5	7.01	75.5
September												
Maximum	24.0	14.19	154.8	23.7	12.02	131.3	24.2	12.79	151.3	24.2	10.55	121.7
Minimum	17.6	4.23	49.1	17.8	5.93	68.9	17.8	3.86	44.3	17.8	6.41	74.5
Average	21.0	8.40	93.7	21.0	8.20	91.7	20.9	7.42	83.2	20.9	8.15	91.4
October												
Maximum	19.9	10.60	102.7	19.7	11.13	97.7	19.7	10.88	100.6	19.7	11.05	102.0
Minimum	9.4	6.49	68.0	9.8	6.90	73.3	9.0	6.62	69.2	9.0	7.36	78.1
Average	15.3	8.72	86.8	15.4	8.84	88.1	15.2	9.00	89.2	15.2	9.28	92.0
Study Average	22.7	7.96	92.6	22.8	7.99	92.7	22.3	7.39	84.6	22.6	8.12	93.7

Table 3.3.2-1: Occurrences When Average Daily DO <5.0 mg/L (Continuous Data)

Site	Total Number of Monitoring Days	Days When Average Daily DO <5.0 mg/L	
		Number	Percent of Total
Vischer Ferry Forebay	139	12	9%
Vischer Ferry Tailrace	140	0	0%
Crescent Forebay	146	11	8%
Crescent Tailrace	146	0	0%

Note: See continuous data figures (Figures 3.3.2-1 through 3.3.2-20) for Project generation data.

Figure 3.1.1-1: 2020 Average Daily Air Temperature and the Total Daily Precipitation in Albany, NY

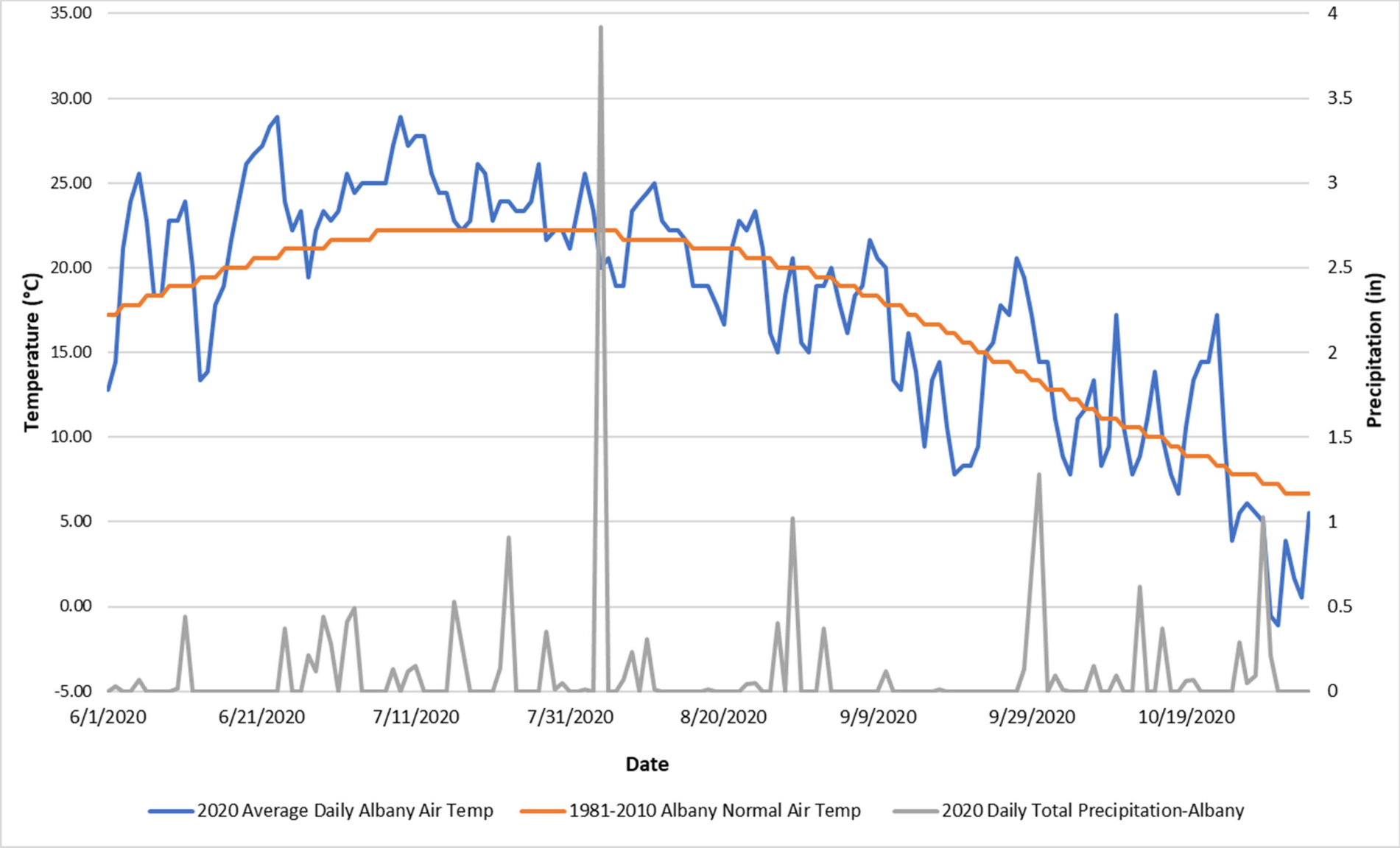


Figure 3.1.2-1: Daily Average Flows at the Mohawk River USGS Gage at Freeman's Bridge in Schenectady, NY, May through October 2020

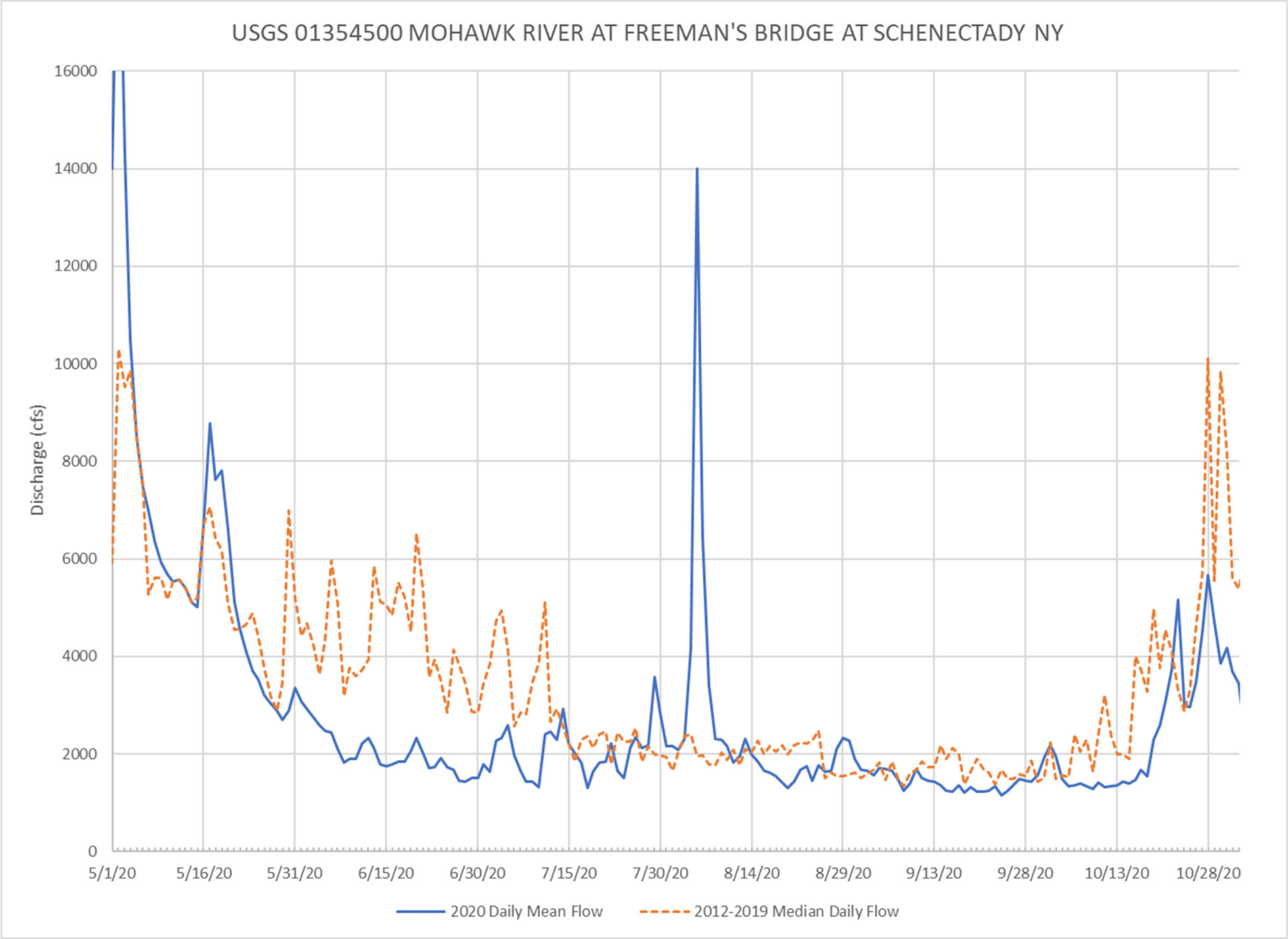


Figure 3.1.2-2: Daily Average Flows at the Mohawk River USGS Gage at Cohoes, NY, May through October 2020.

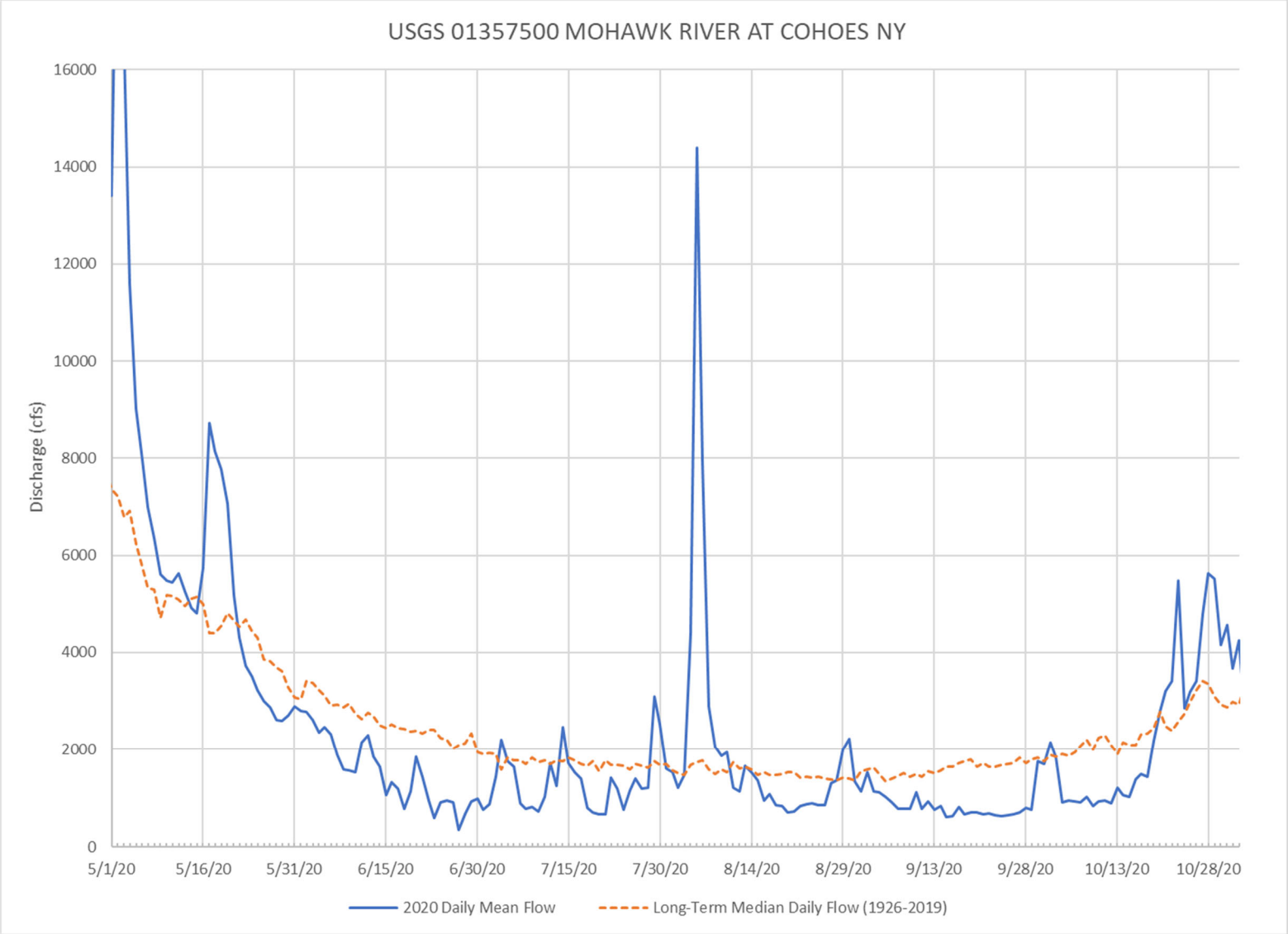


Figure 3.3.1-1: Overview of Continuous Water Temperature at Crescent and Vischer Ferry Projects, June-October 2020

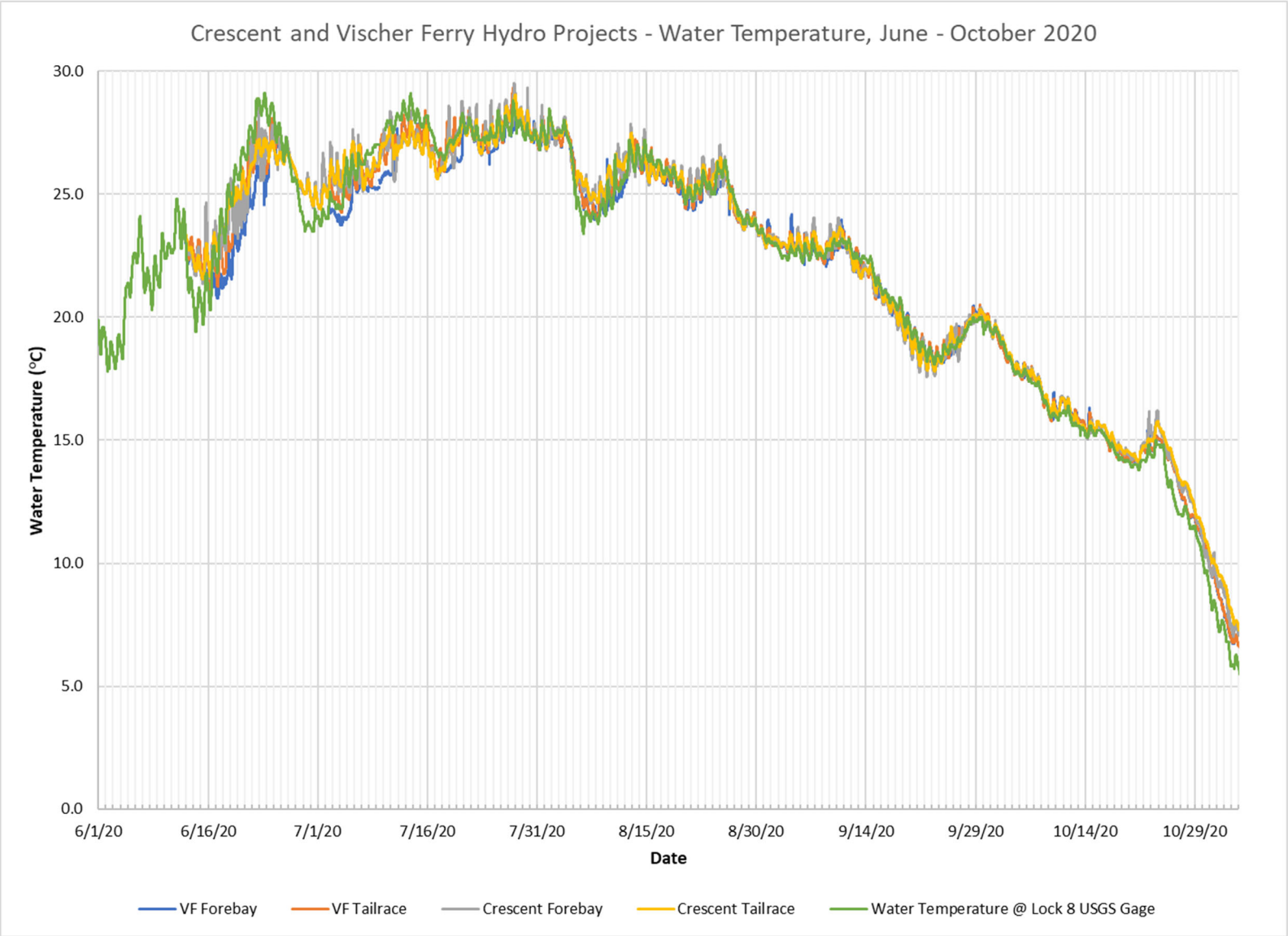


Figure 3.3.2-1: Crescent Tailrace Dissolved Oxygen and Water Temperature with Turbine Outflows - June 2020

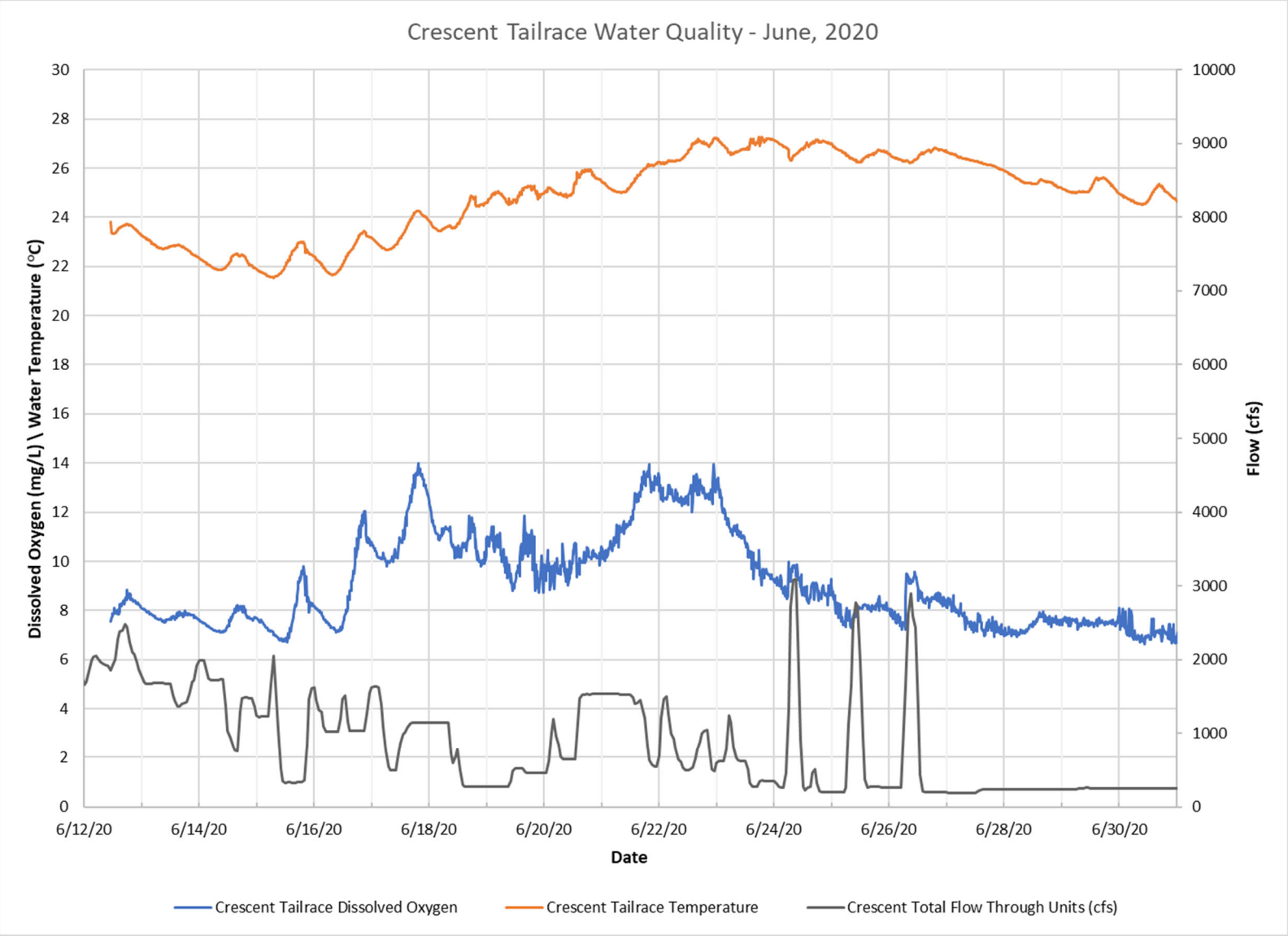


Figure 3.3.2-2: Crescent Tailrace Dissolved Oxygen and Water Temperature with Turbine Outflows - July 2020

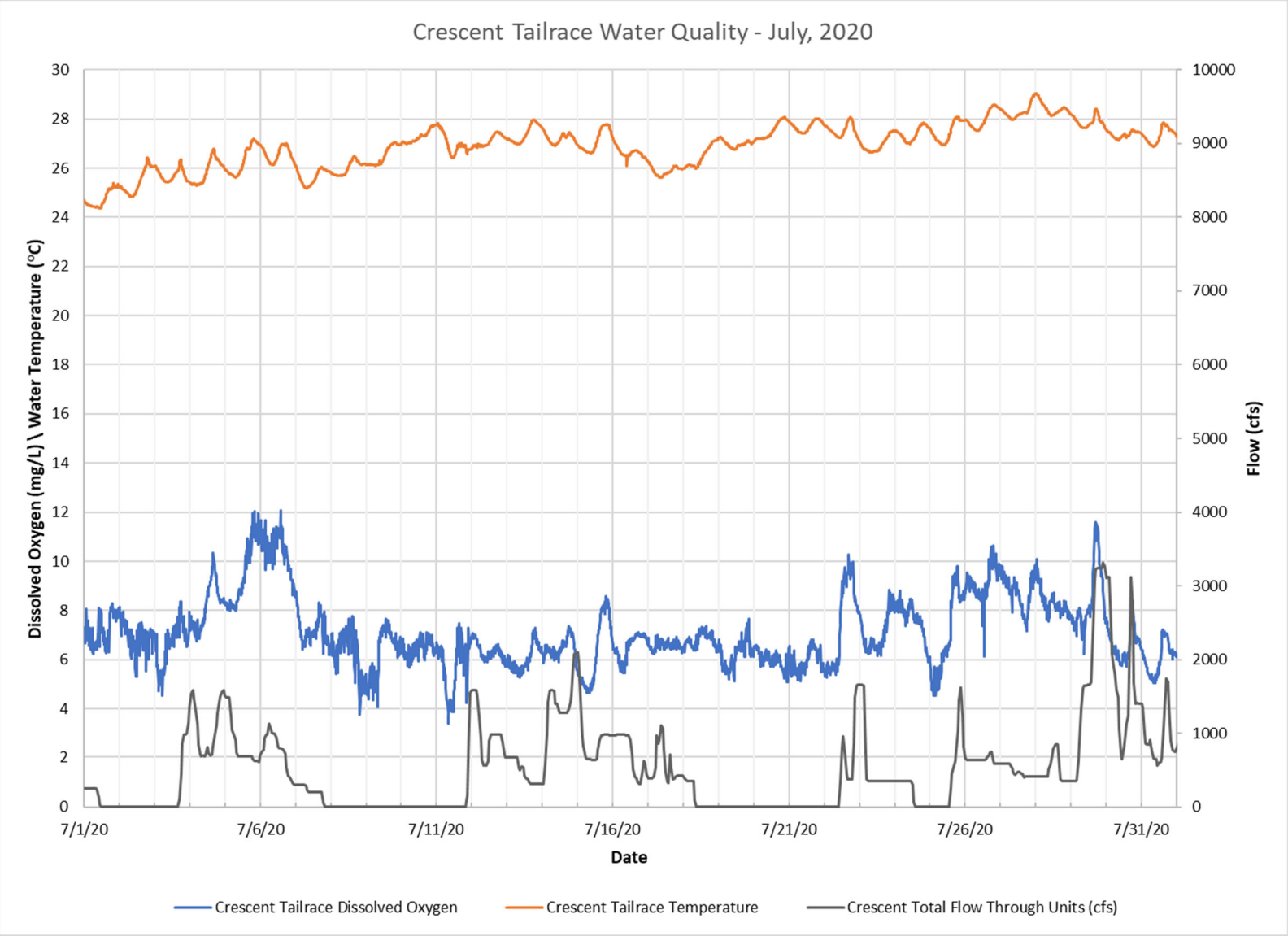


Figure 3.3.2-3: Crescent Tailrace Dissolved Oxygen and Water Temperature with Turbine Outflows - August 2020

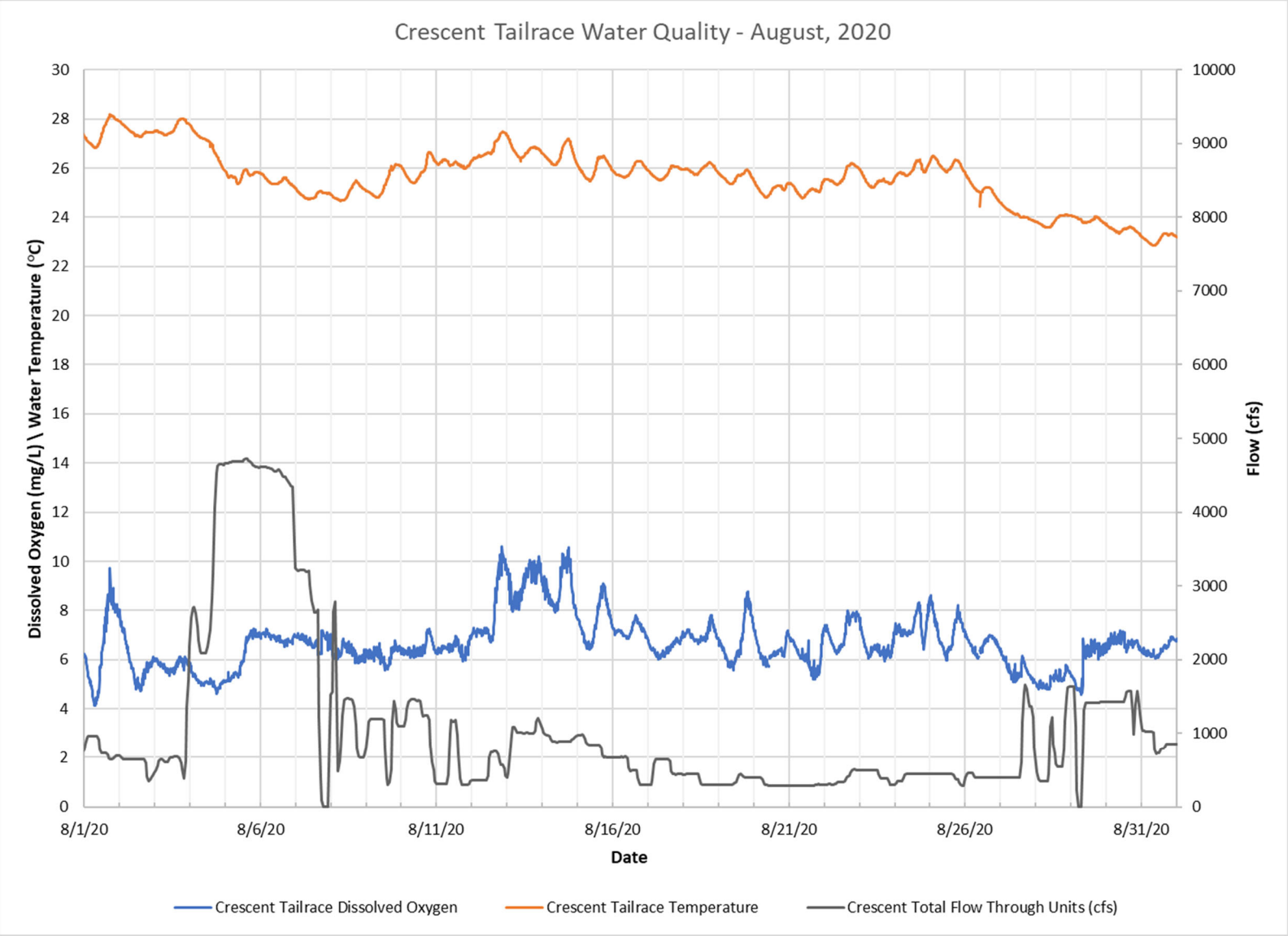


Figure 3.3.2-4: Crescent Tailrace Dissolved Oxygen and Water Temperature with Turbine Outflows - September 2020

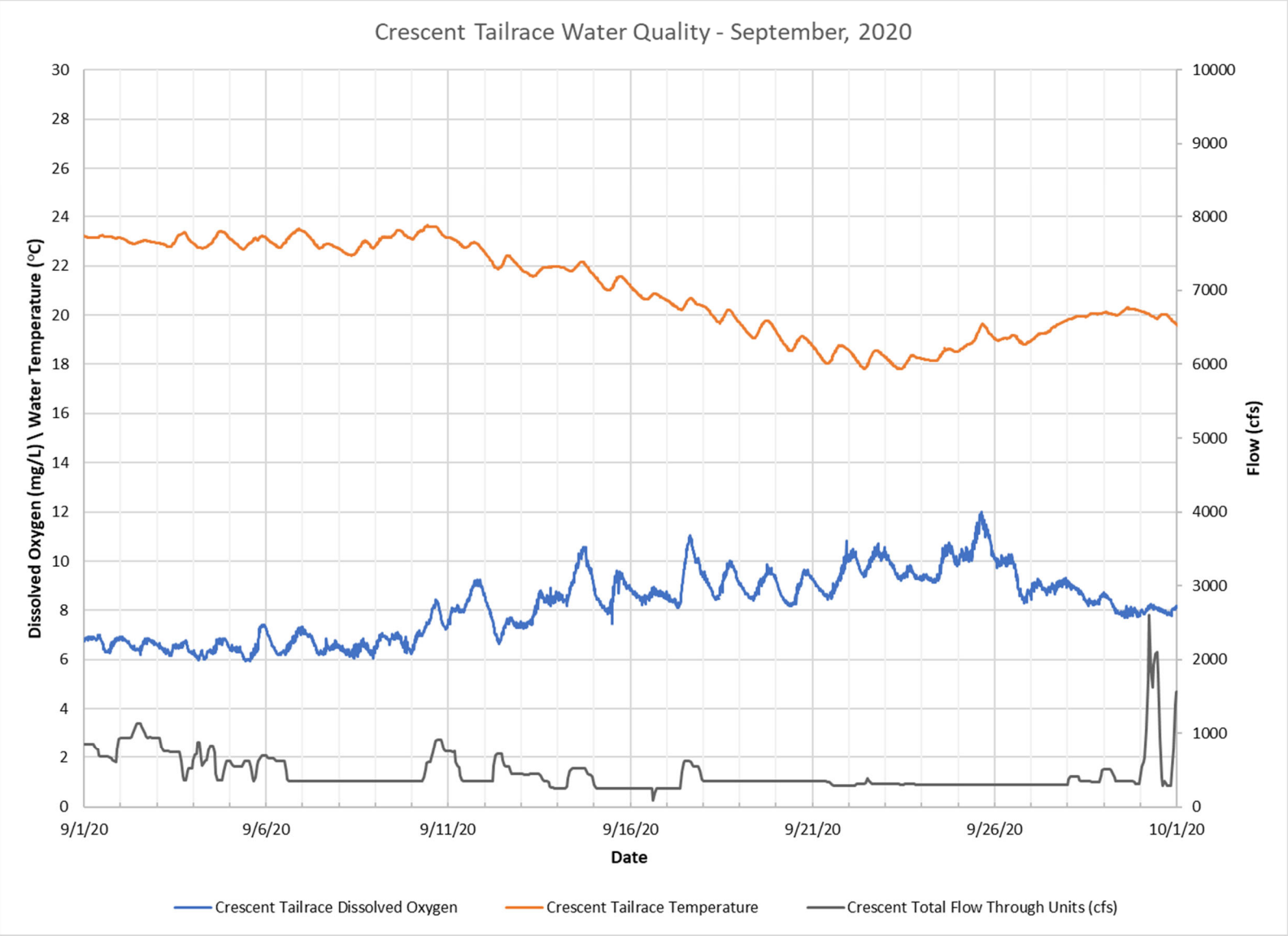


Figure 3.3.2-5: Crescent Tailrace Dissolved Oxygen and Water Temperature with Turbine Outflows - October 2020

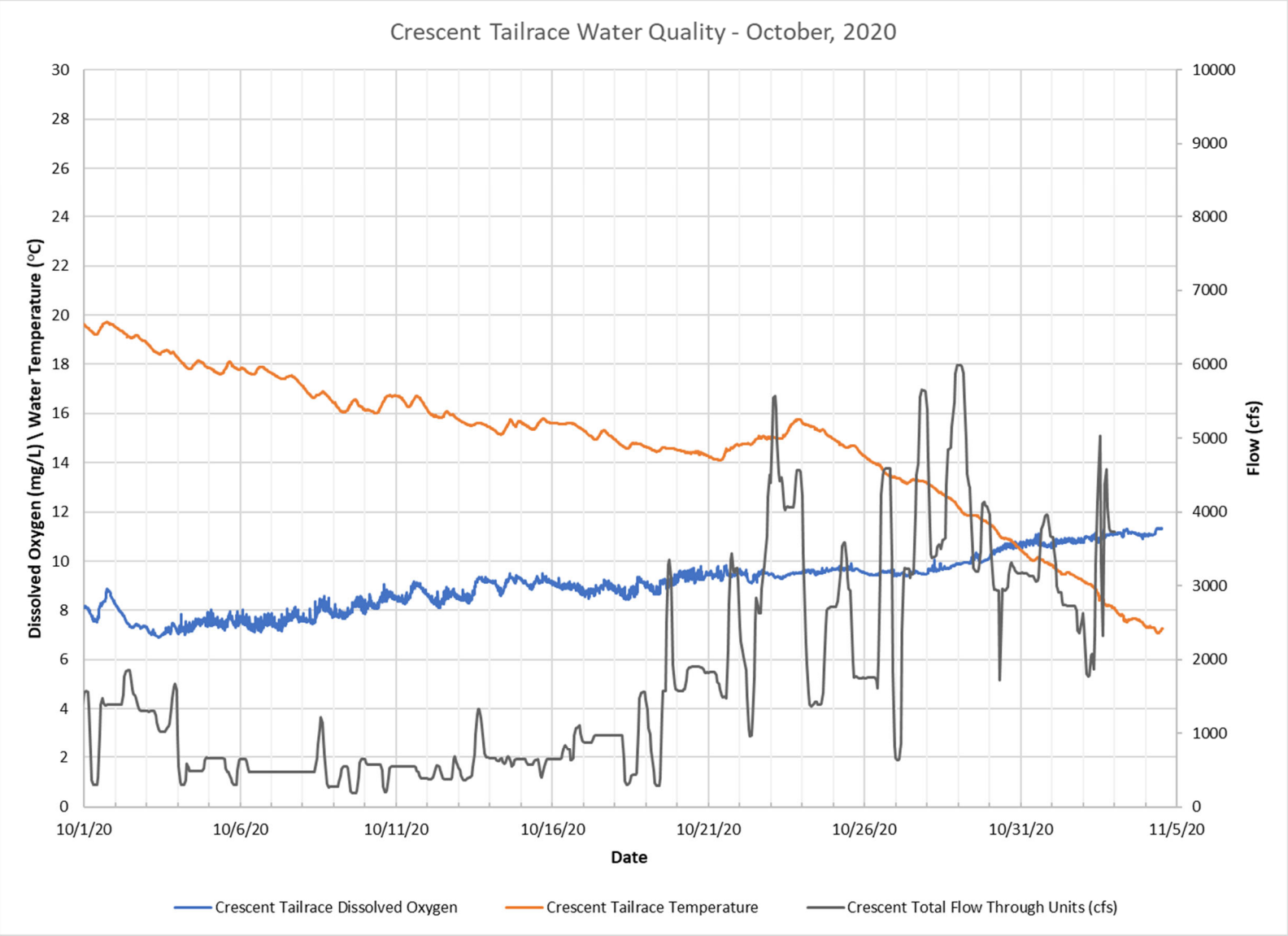


Figure 3.3.2-6: Crescent Forebay Dissolved Oxygen and Water Temperature with Turbine Outflows - June 2020

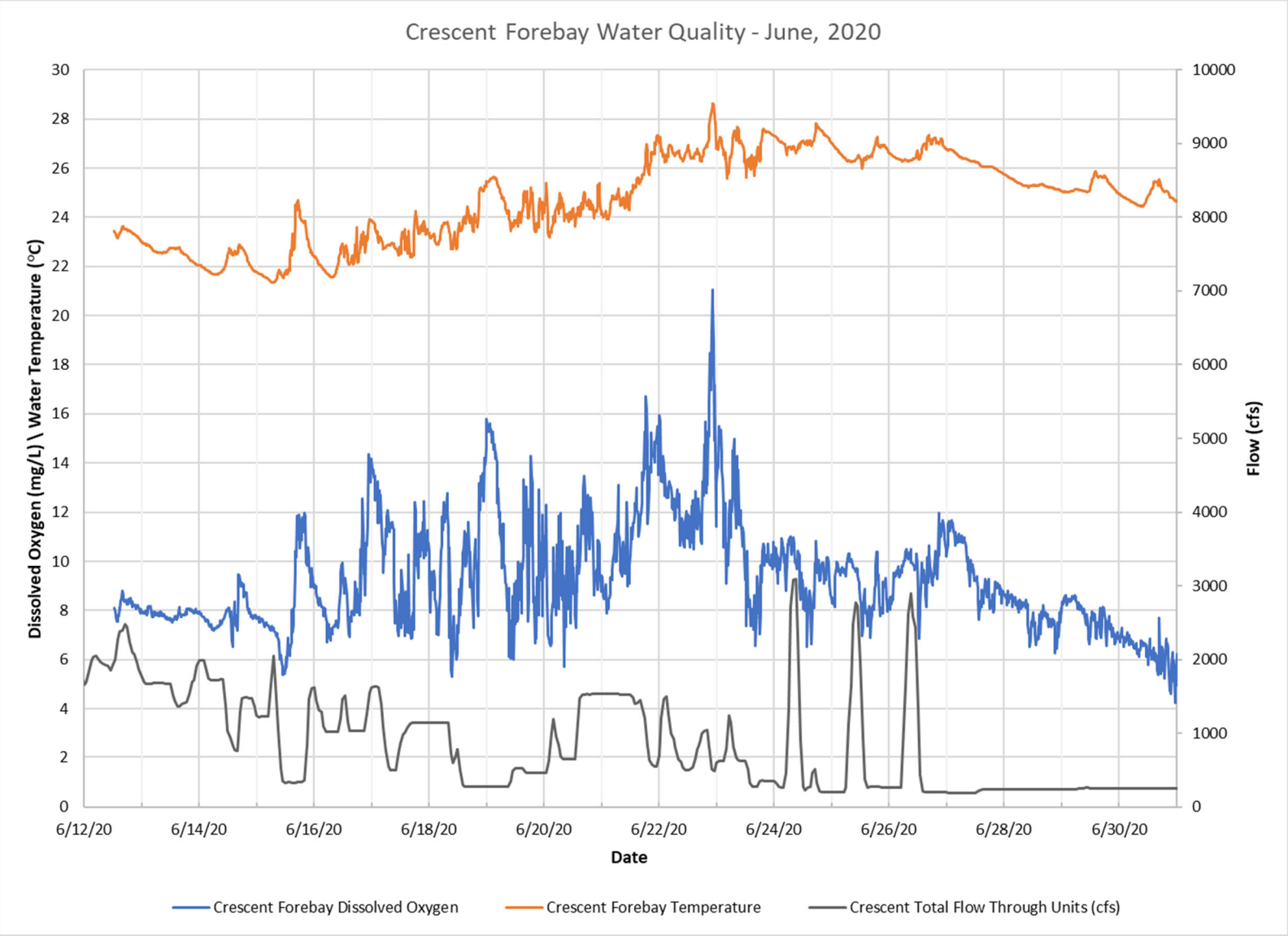


Figure 3.3.2-7: Crescent Forebay Dissolved Oxygen and Water Temperature with Turbine Outflows - July 2020

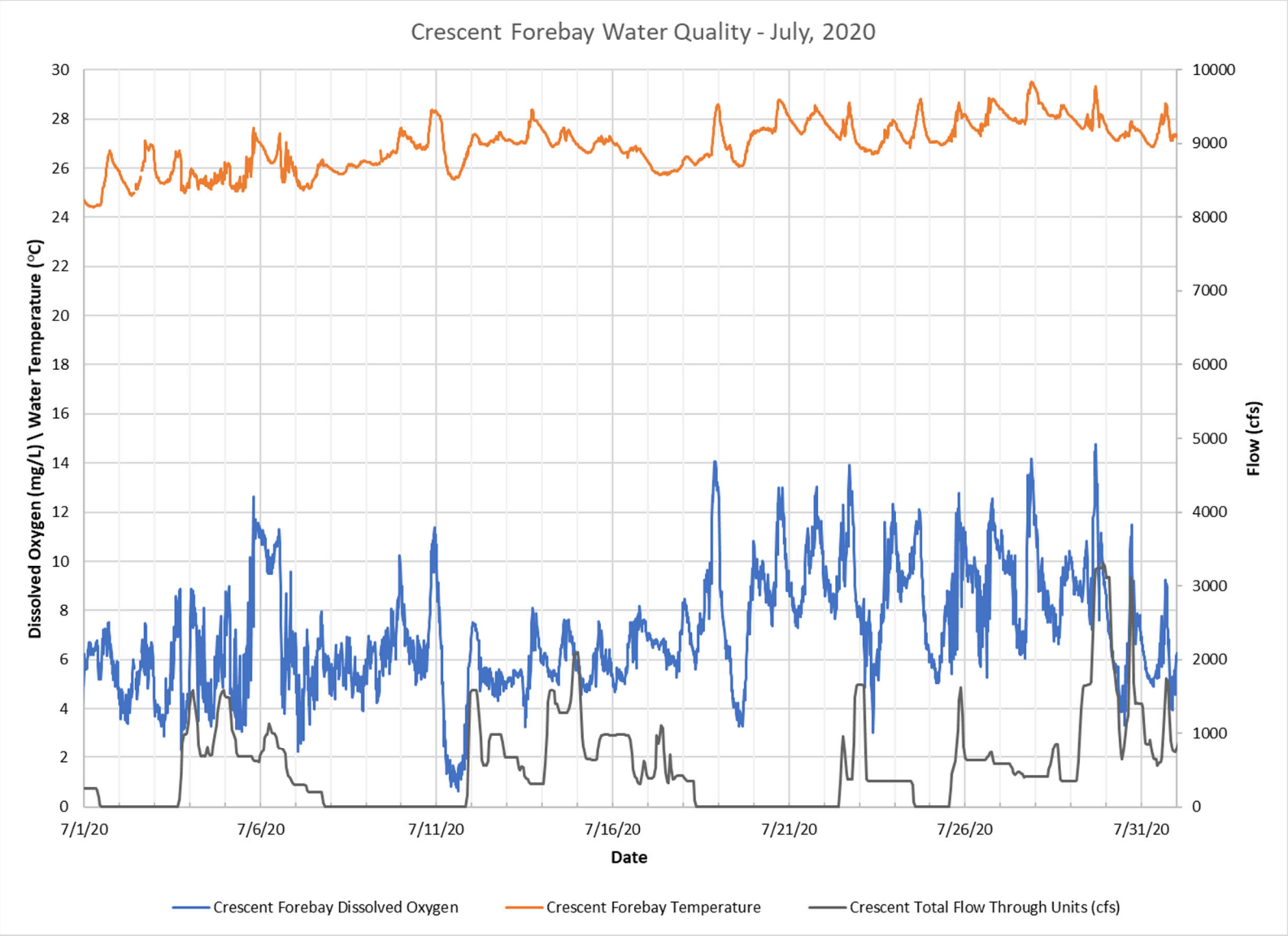


Figure 3.3.2-8: Crescent Forebay Dissolved Oxygen and Water Temperature with Turbine Outflows - August 2020

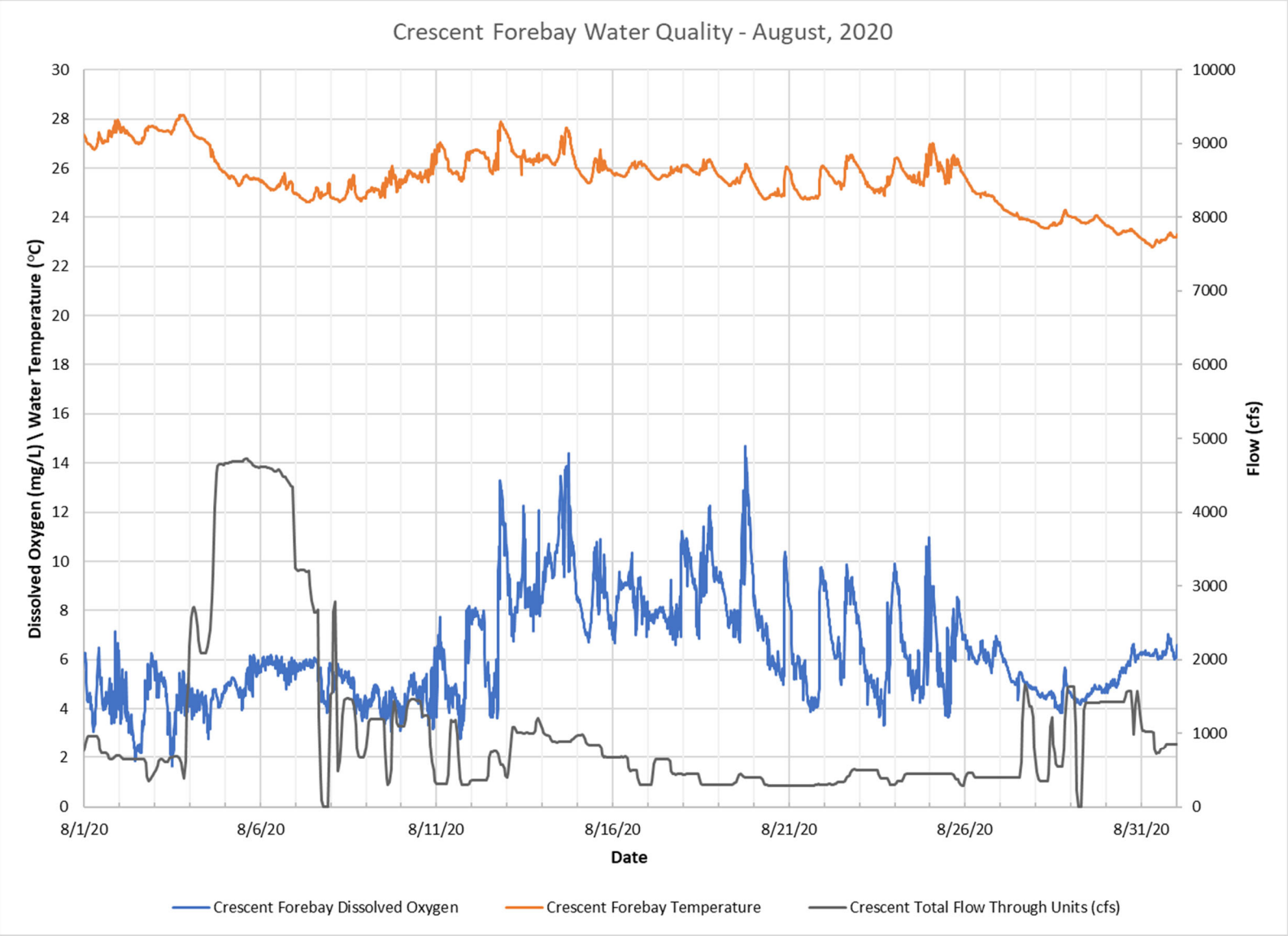


Figure 3.3.2-9: Crescent Forebay Dissolved Oxygen and Water Temperature with Turbine Outflows - September 2020

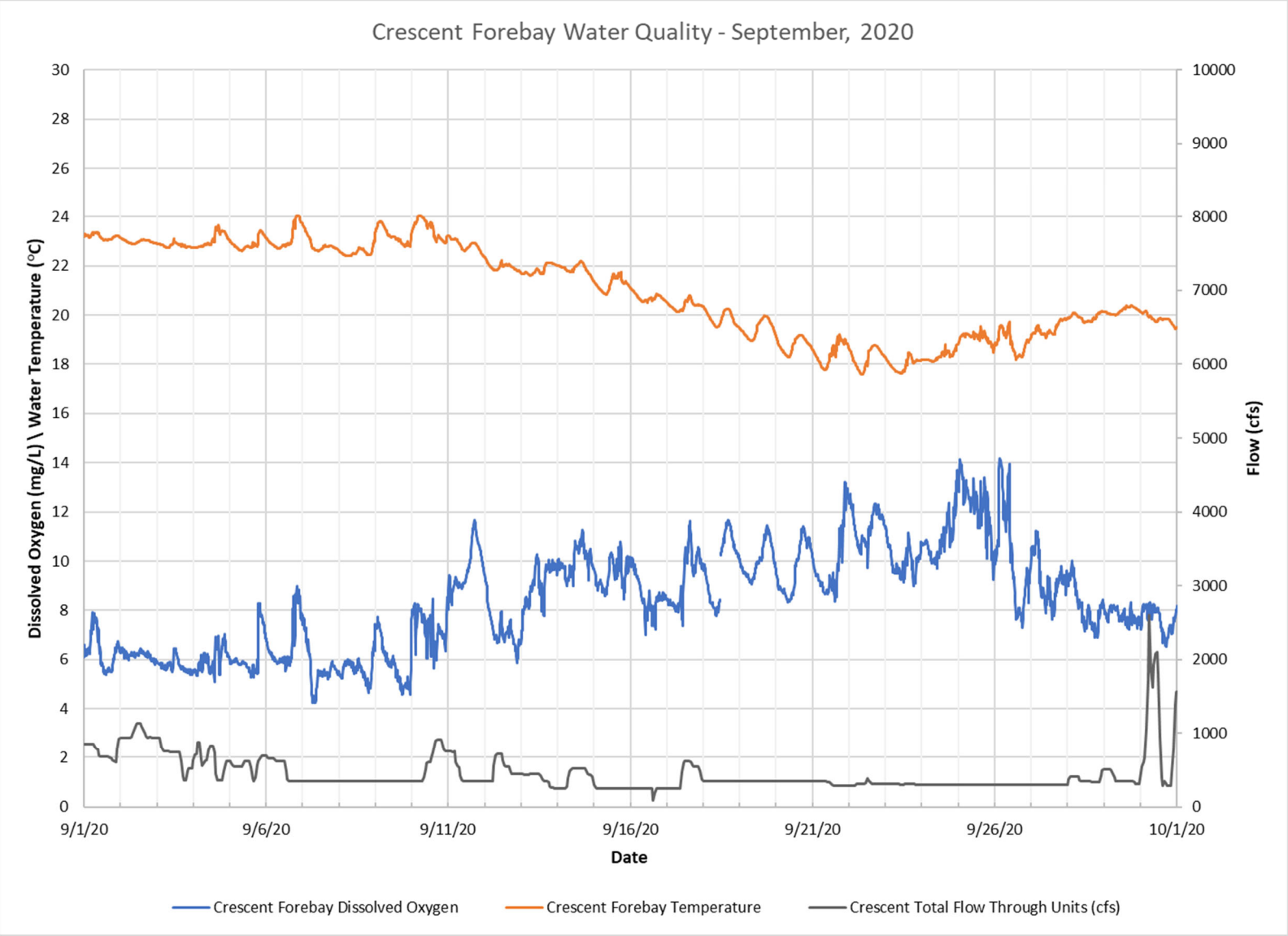


Figure 3.3.2-10: Crescent Forebay Dissolved Oxygen and Water Temperature with Turbine Outflows – October 2020

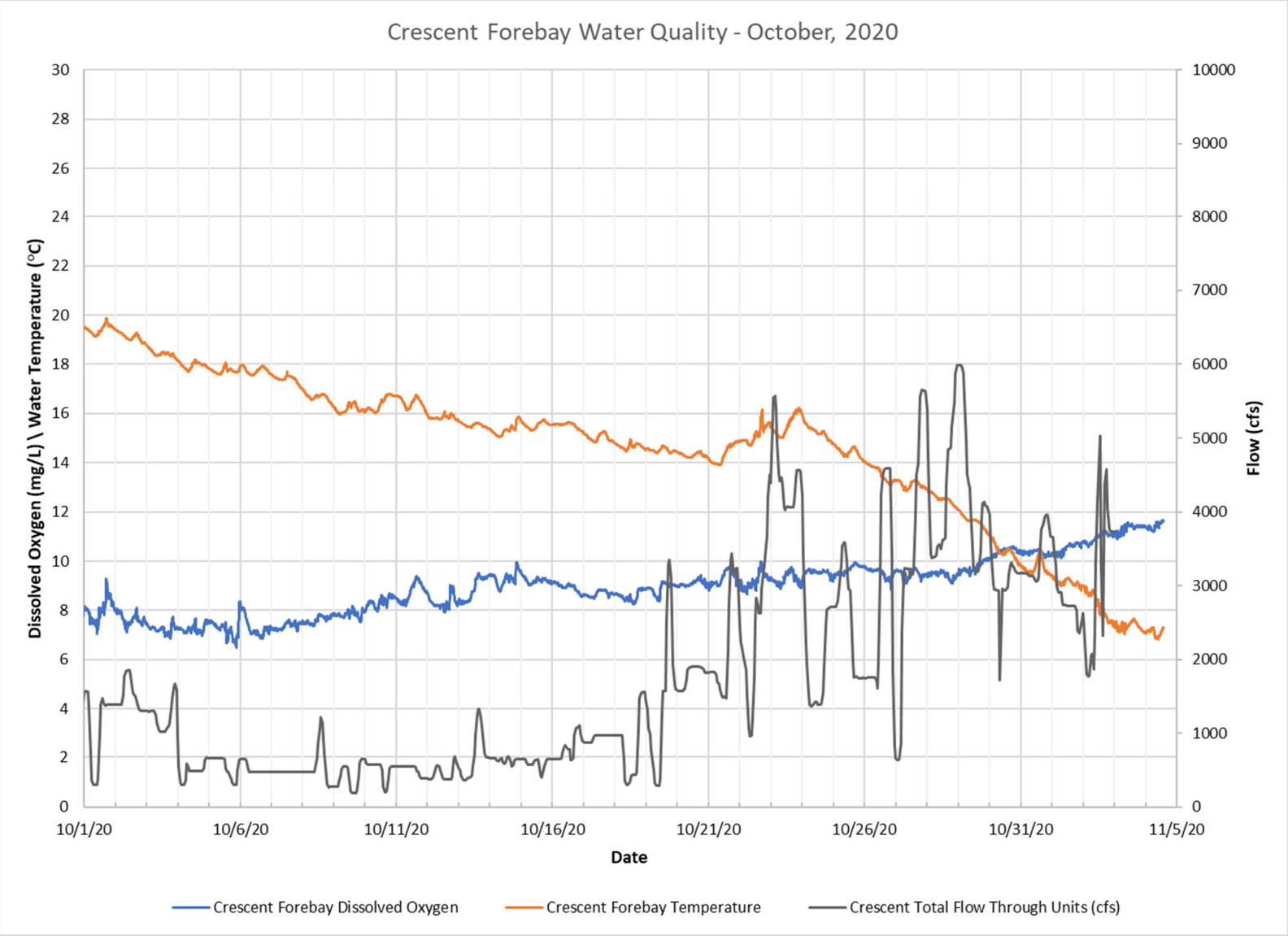


Figure 3.3.2-11: Vischer Ferry Tailrace Dissolved Oxygen and Water Temperature with Turbine Outflows - June 2020

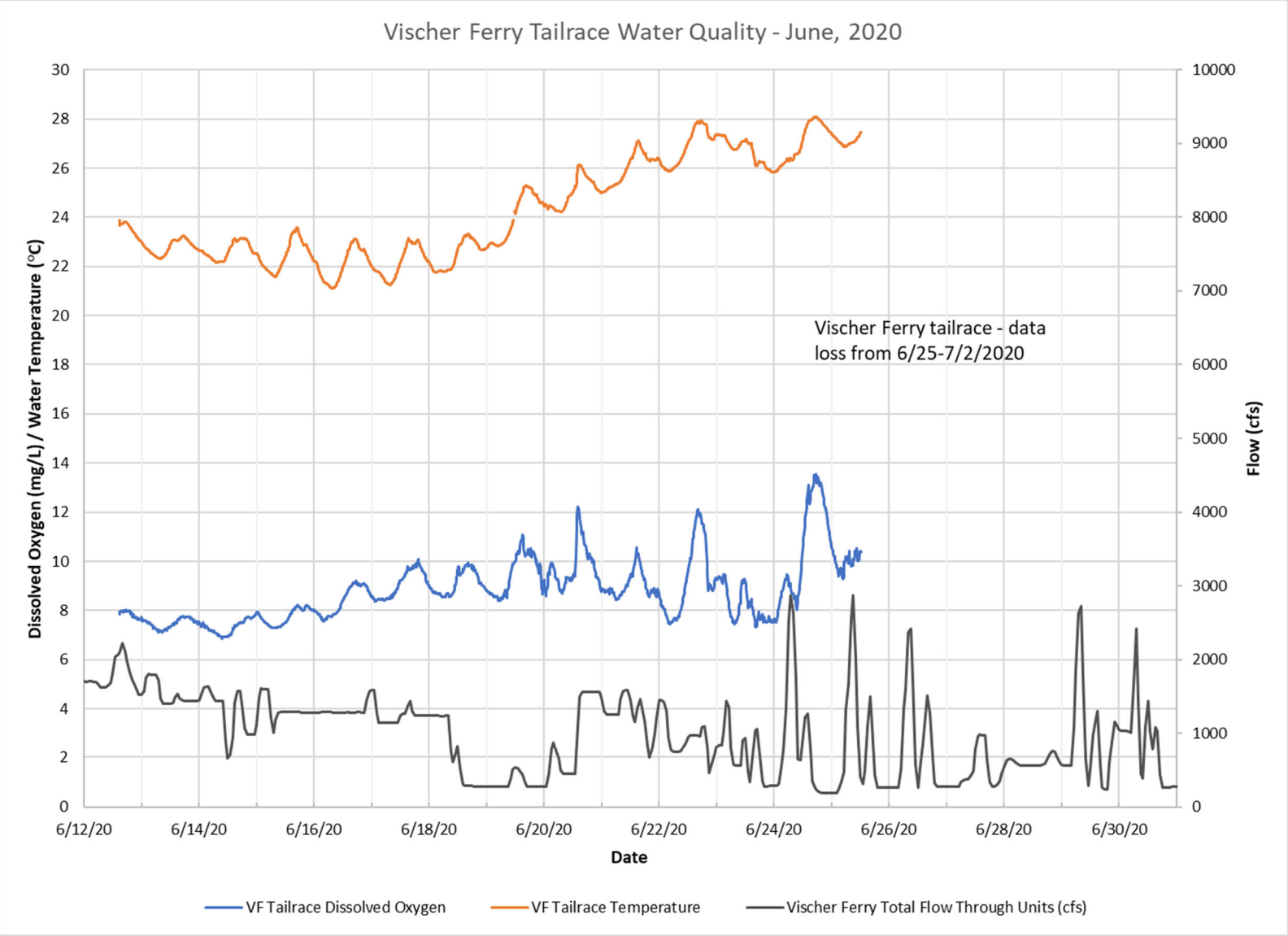


Figure 3.3.2-12: Vischer Ferry Tailrace Dissolved Oxygen and Water Temperature with Turbine Outflows - July 2020

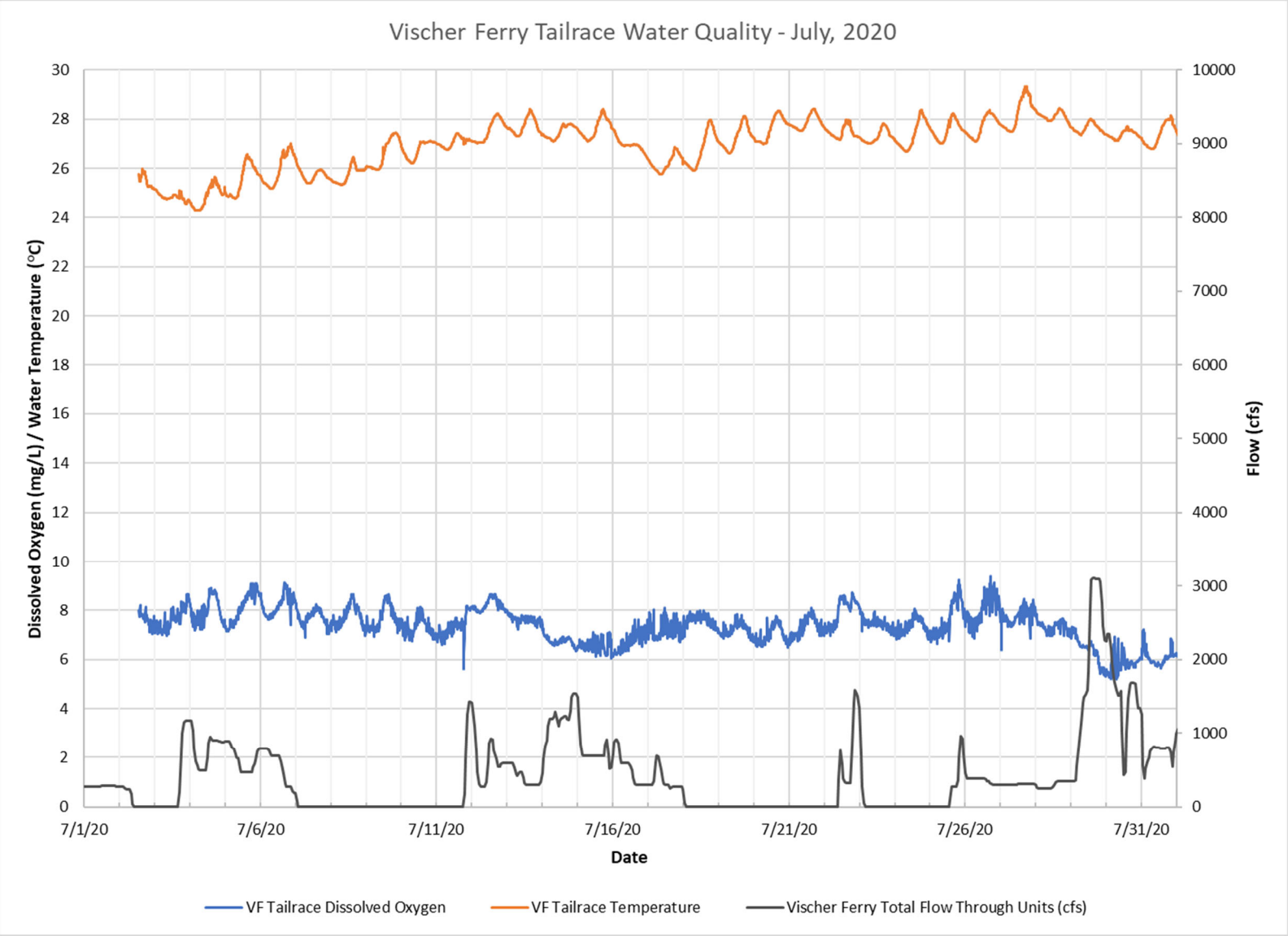


Figure 3.3.2-13: Vischer Ferry Tailrace Dissolved Oxygen and Water Temperature with Turbine Outflows - August 2020

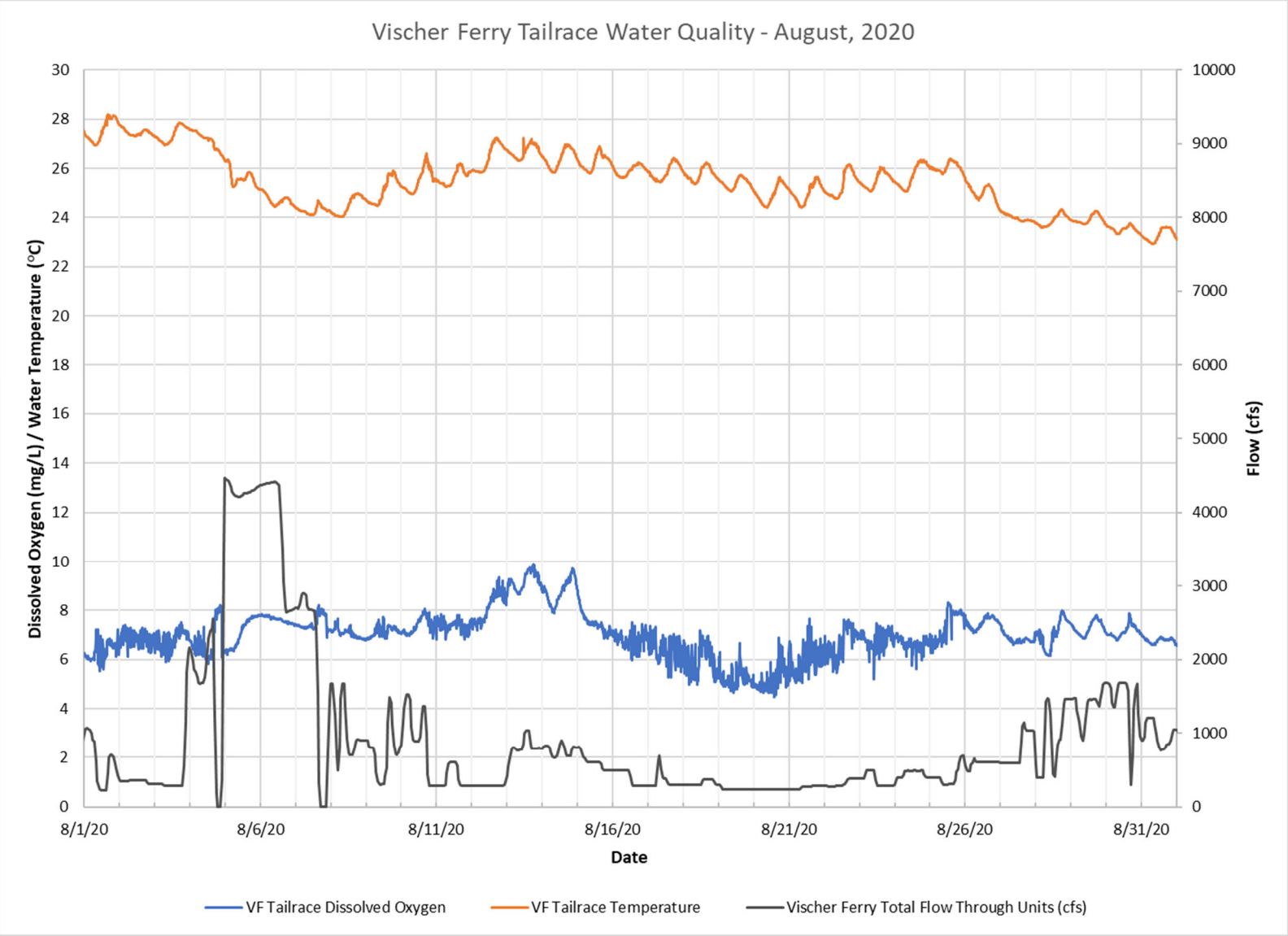


Figure 3.3.2-14: Vischer Ferry Tailrace Dissolved Oxygen and Water Temperature with Turbine Outflows – Sep 2020

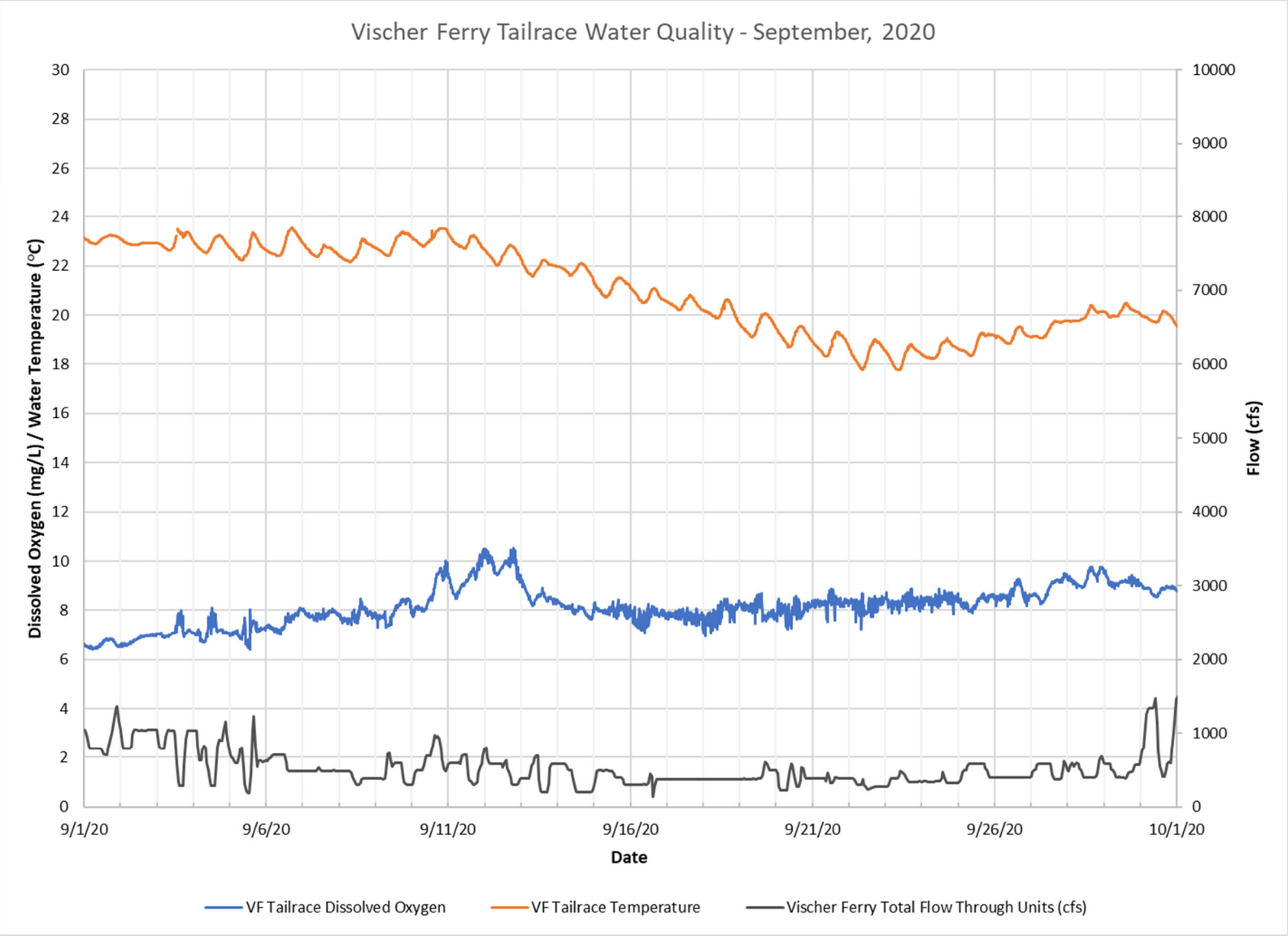


Figure 3.3.2-15: Vischer Ferry Tailrace Dissolved Oxygen and Water Temperature with Turbine Outflows - October 2020

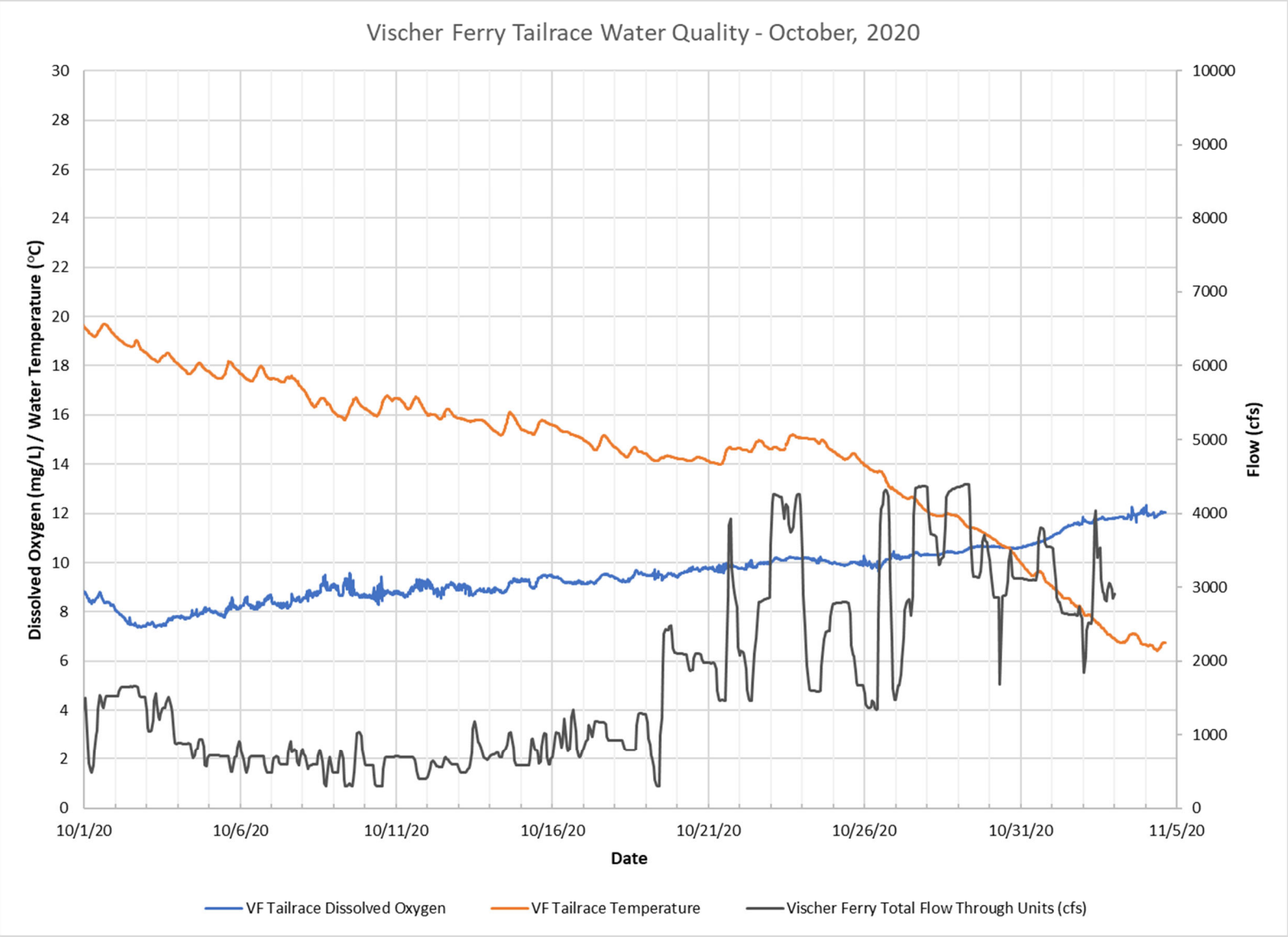


Figure 3.3.2-16: Vischer Ferry Forebay Dissolved Oxygen and Water Temperature with Turbine Outflows - June 2020

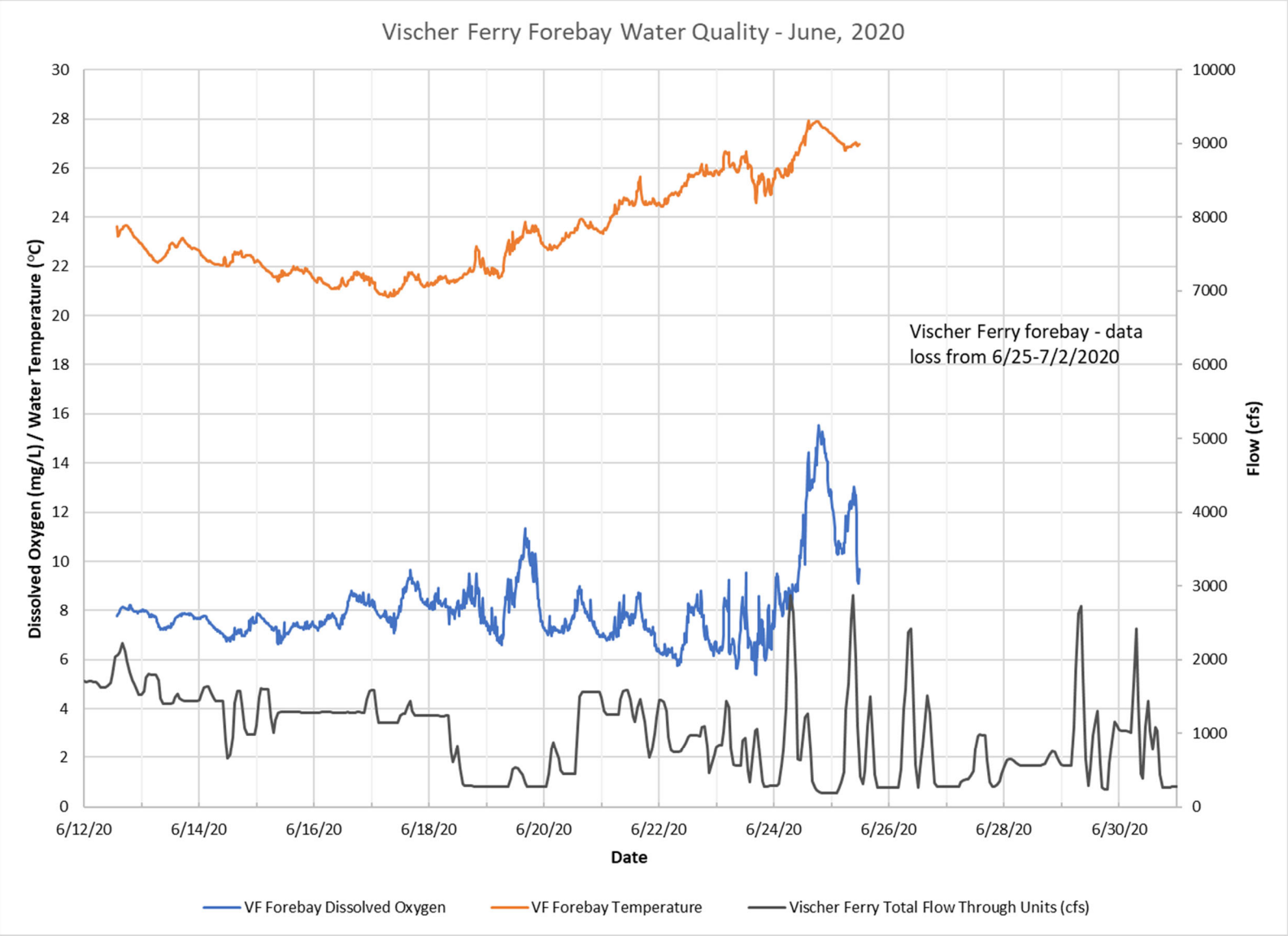


Figure 3.3.2-17: Vischer Ferry Forebay Dissolved Oxygen and Water Temperature with Turbine Outflows - July 2020

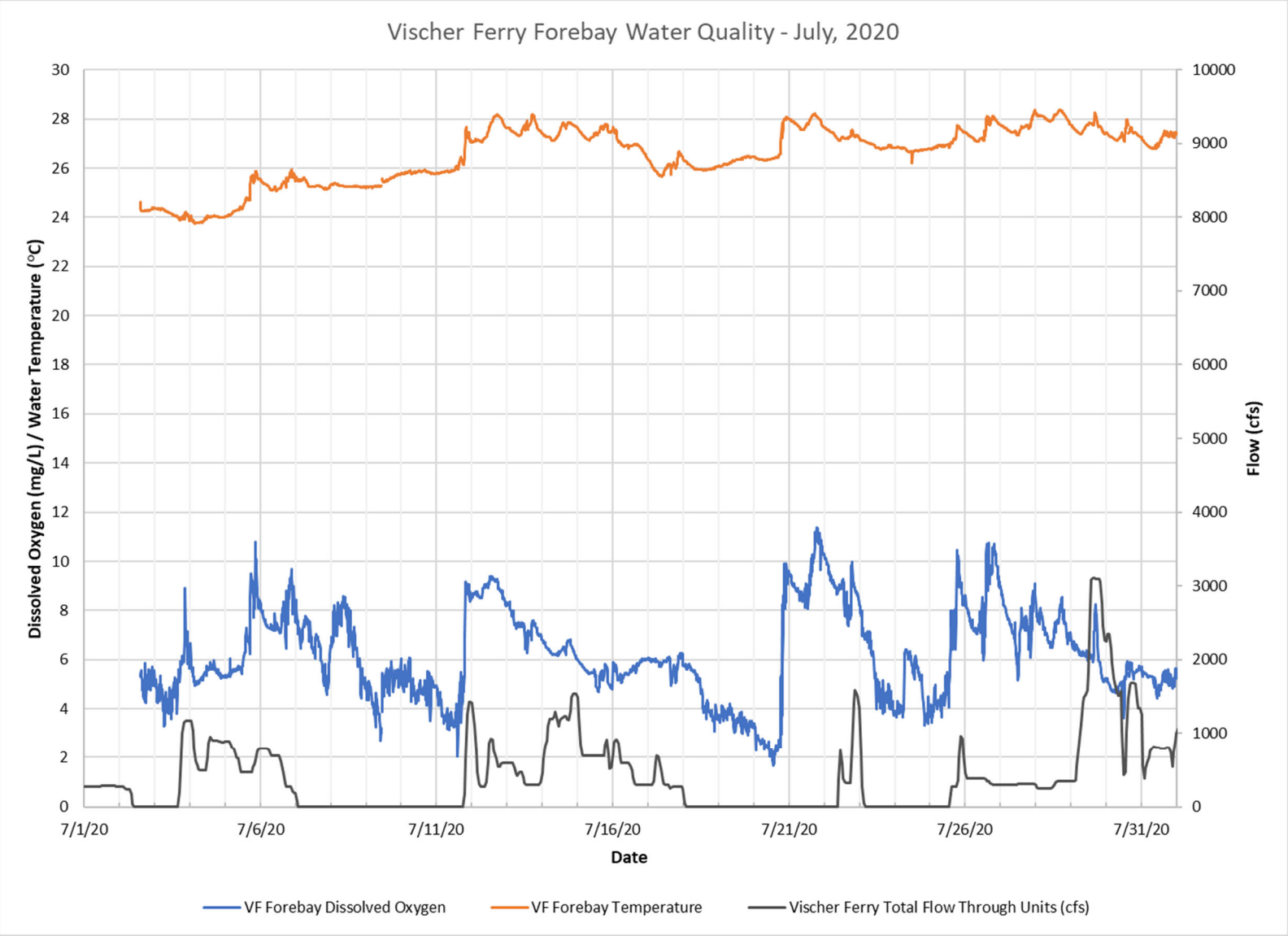


Figure 3.3.2-18: Vischer Ferry Forebay Dissolved Oxygen and Water Temperature with Turbine Outflows - August 2020

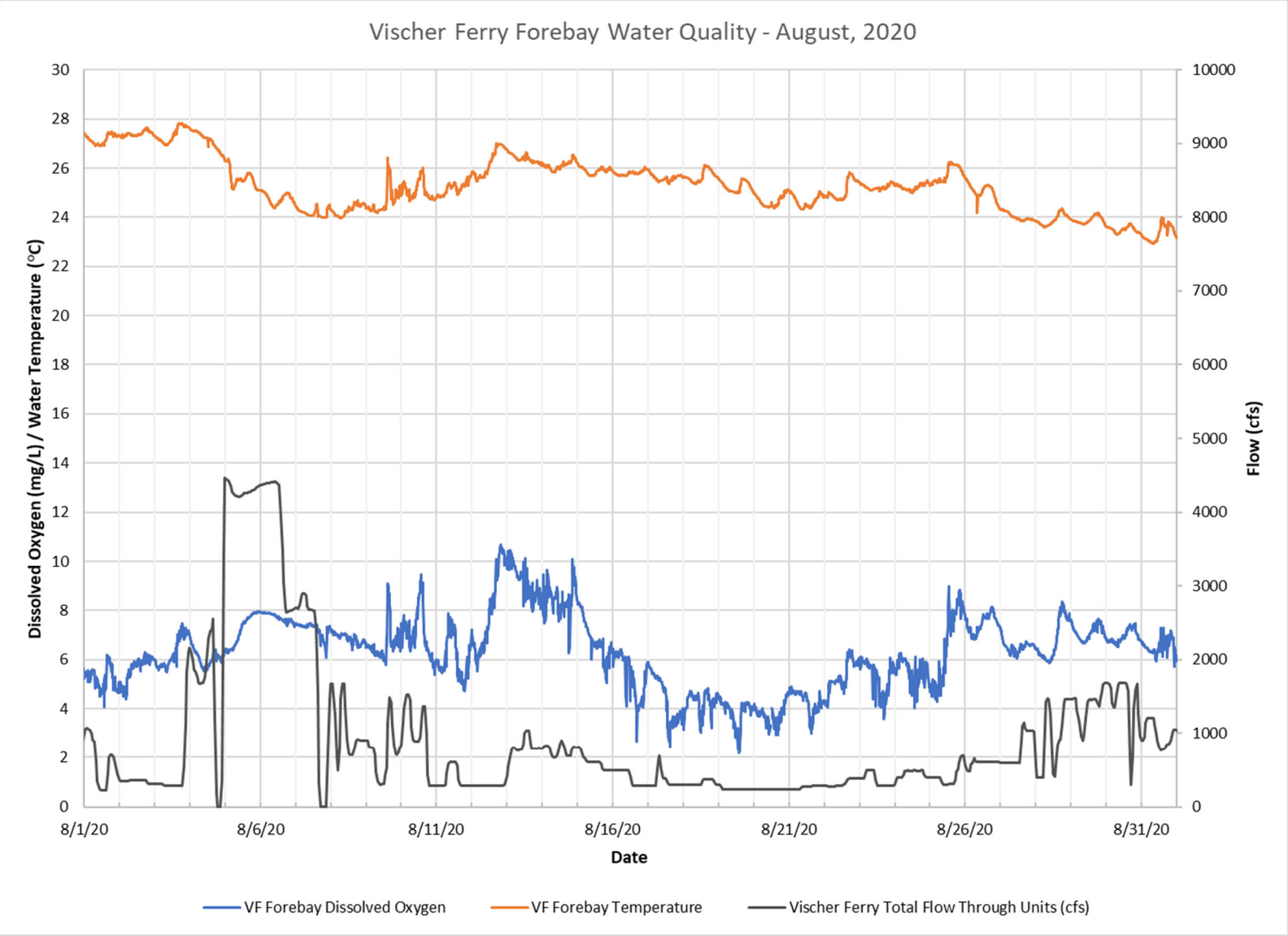


Figure 3.3.2-19: Vischer Ferry Forebay Dissolved Oxygen and Water Temperature with Turbine Outflows - Sep 2020

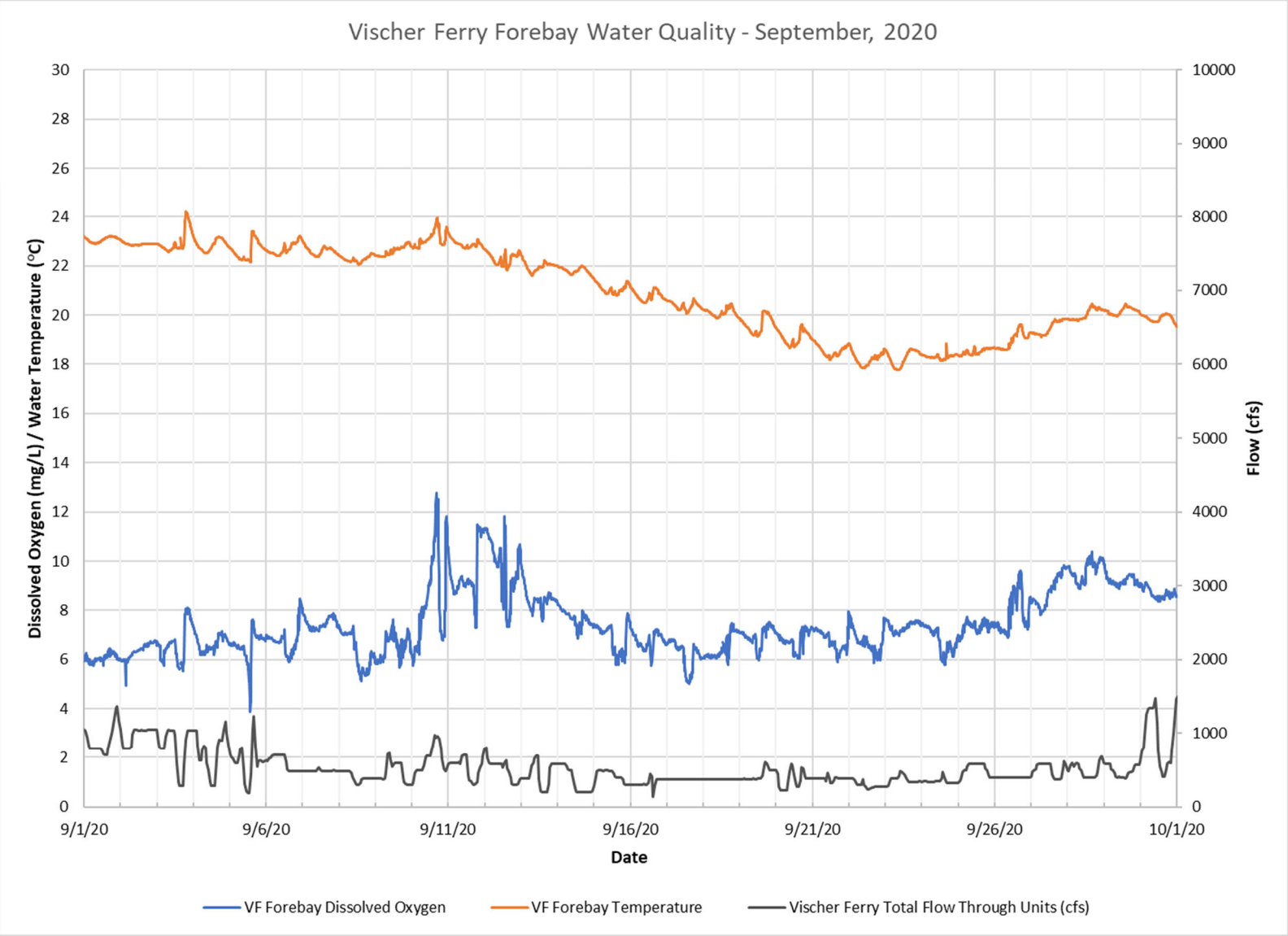


Figure 3.3.2-20: Vischer Ferry Forebay Dissolved Oxygen and Water Temperature with Turbine Outflows - October 2020

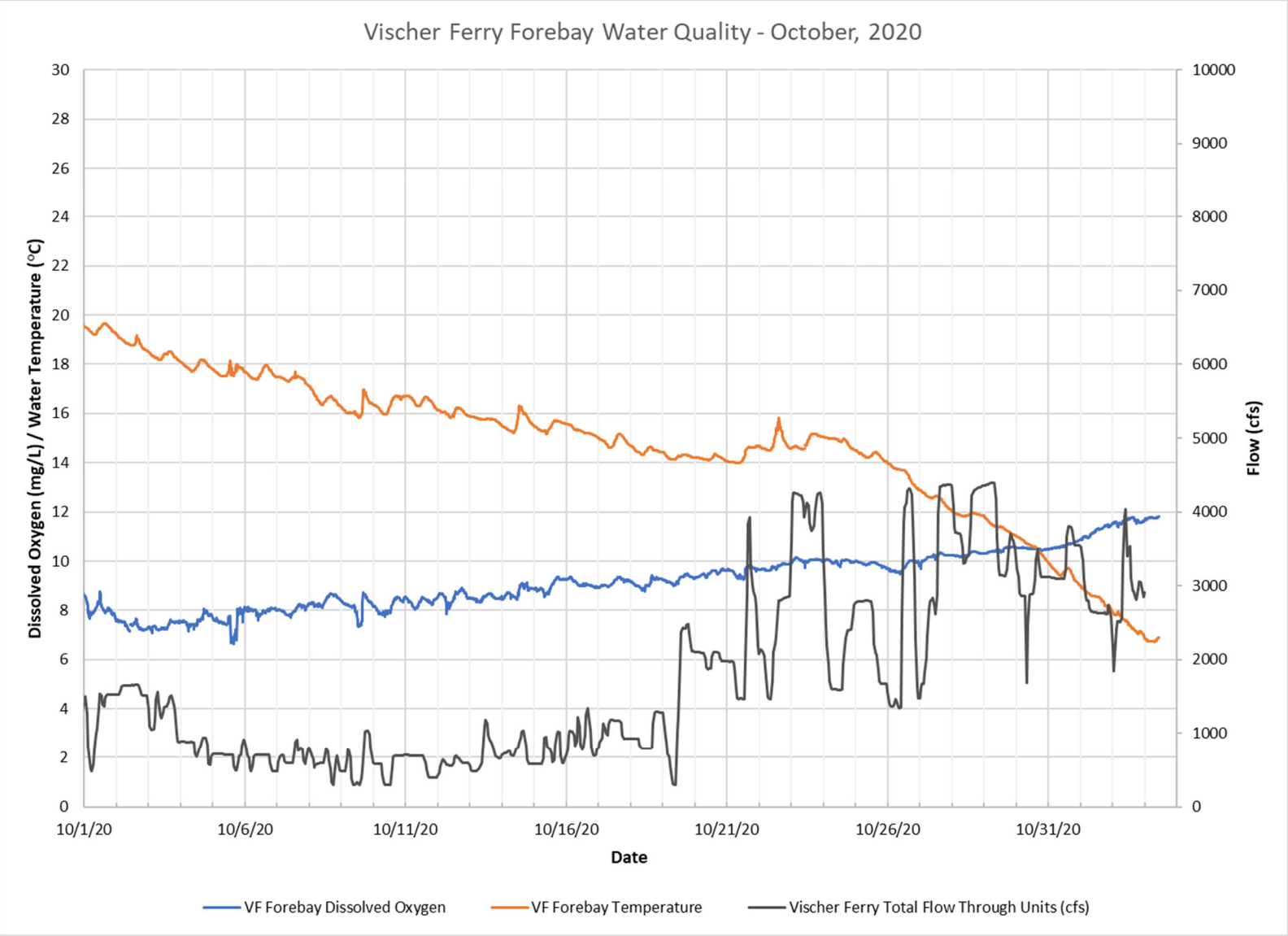
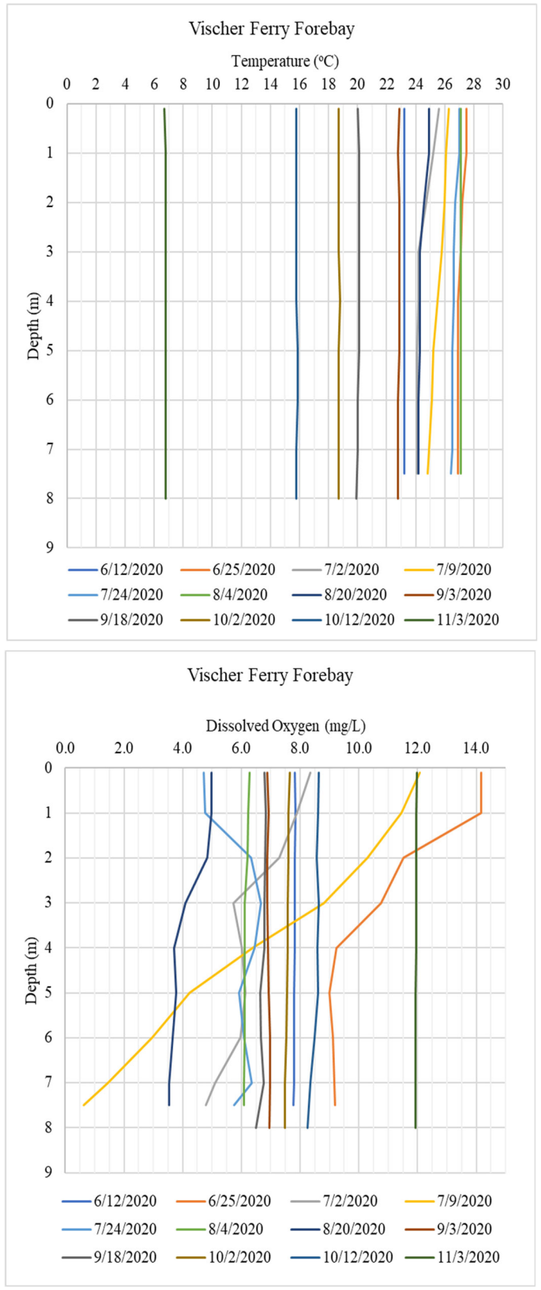
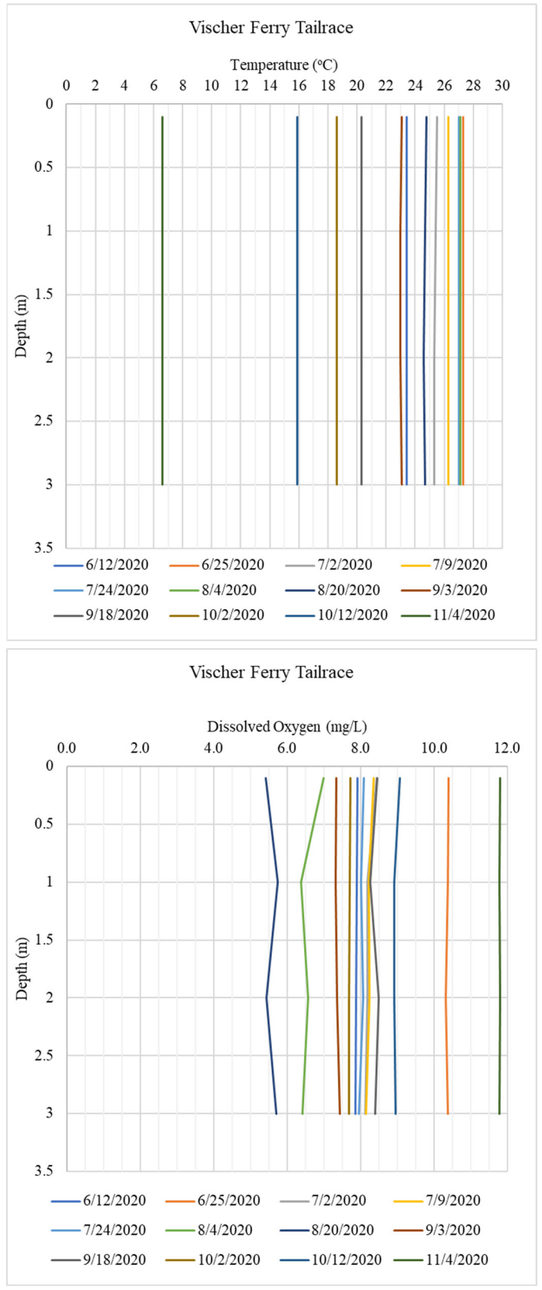
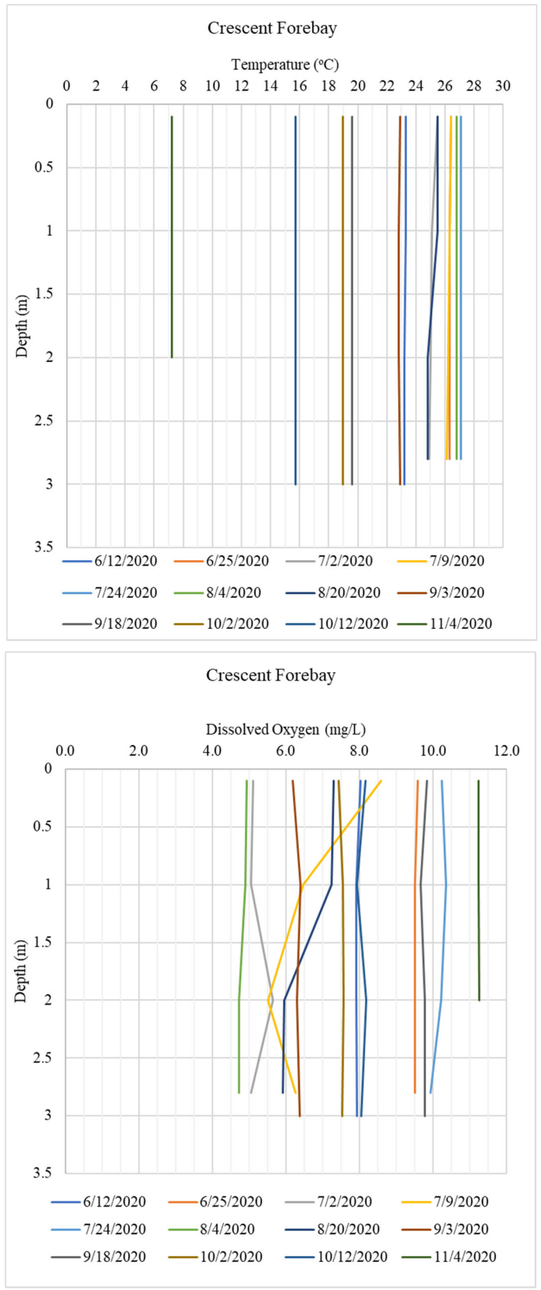


Figure 3.4-1: Temperature and Dissolved Oxygen Vertical Profiles at All Sites







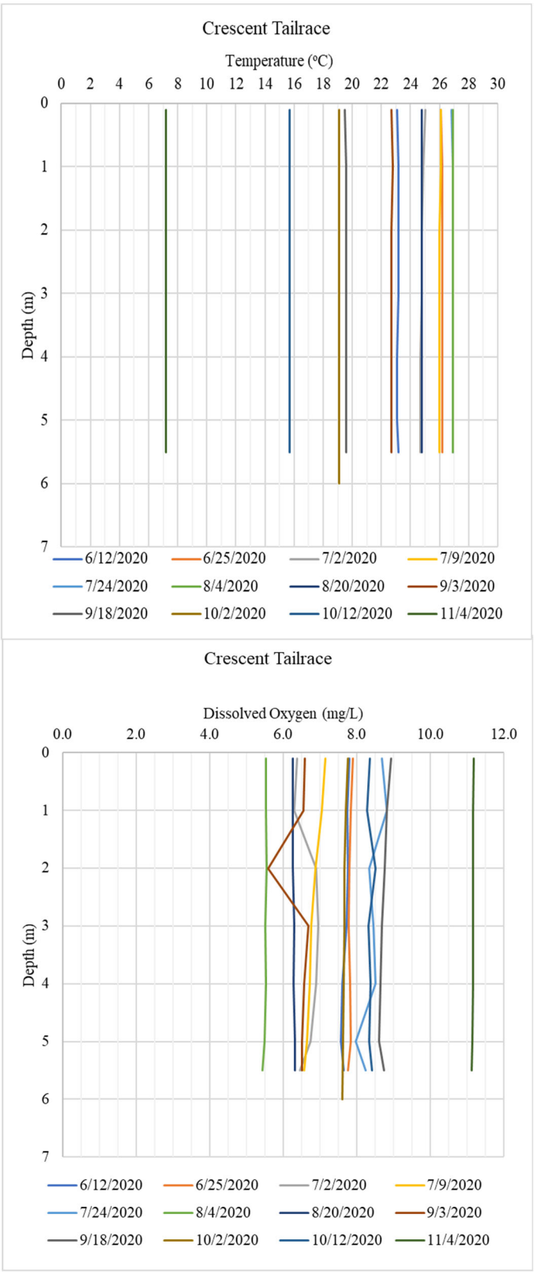
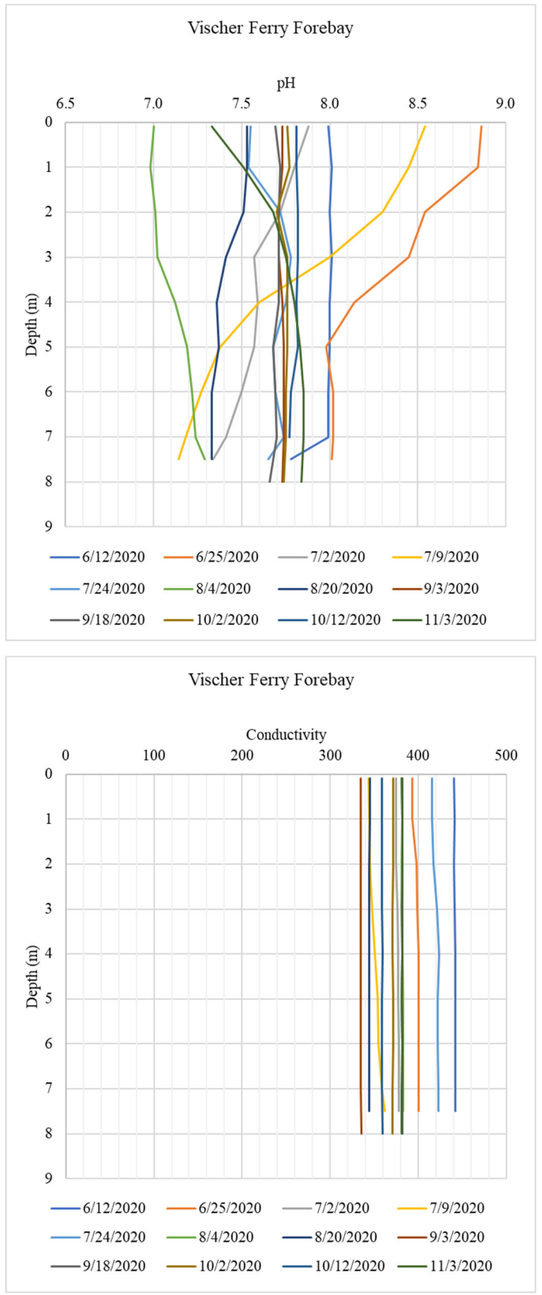
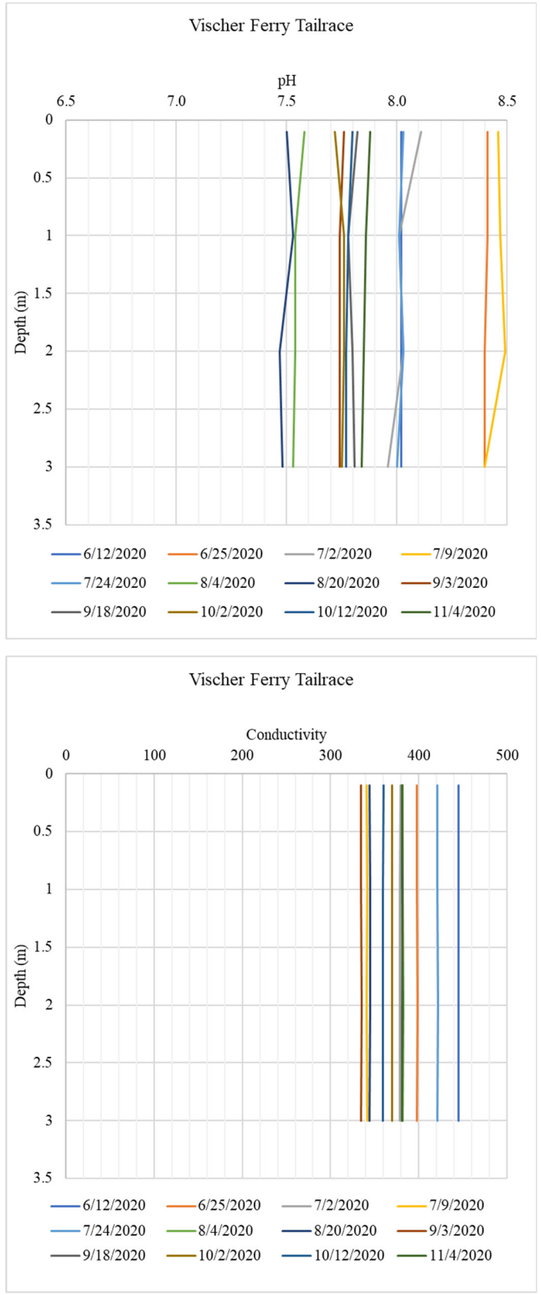
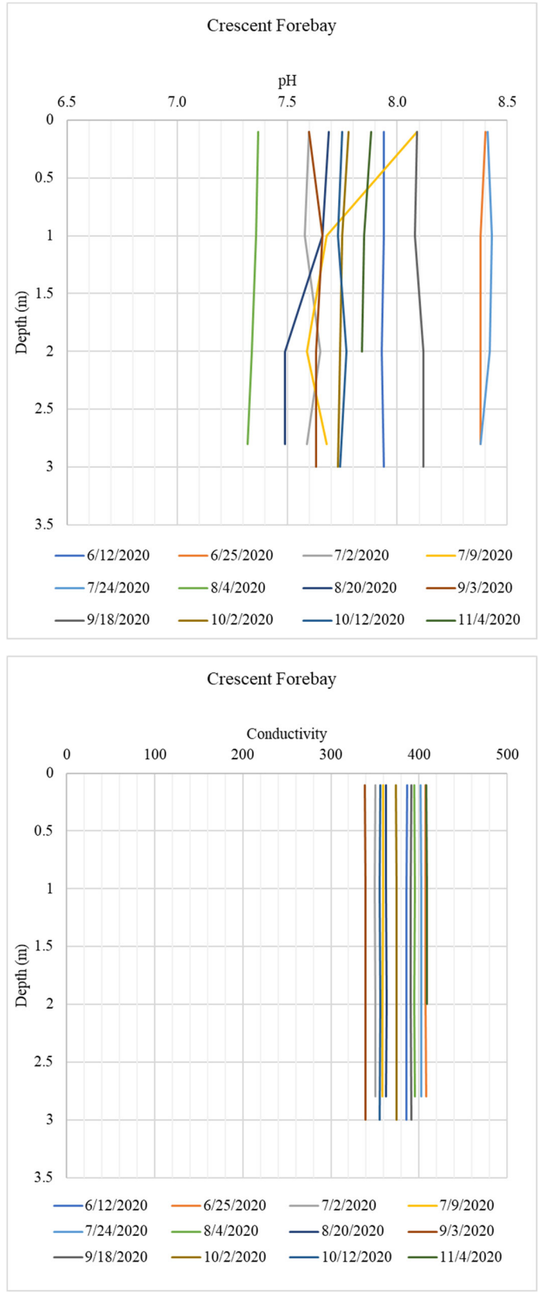


Figure 3.4-2: pH and Conductivity Vertical Profiles at All Sites







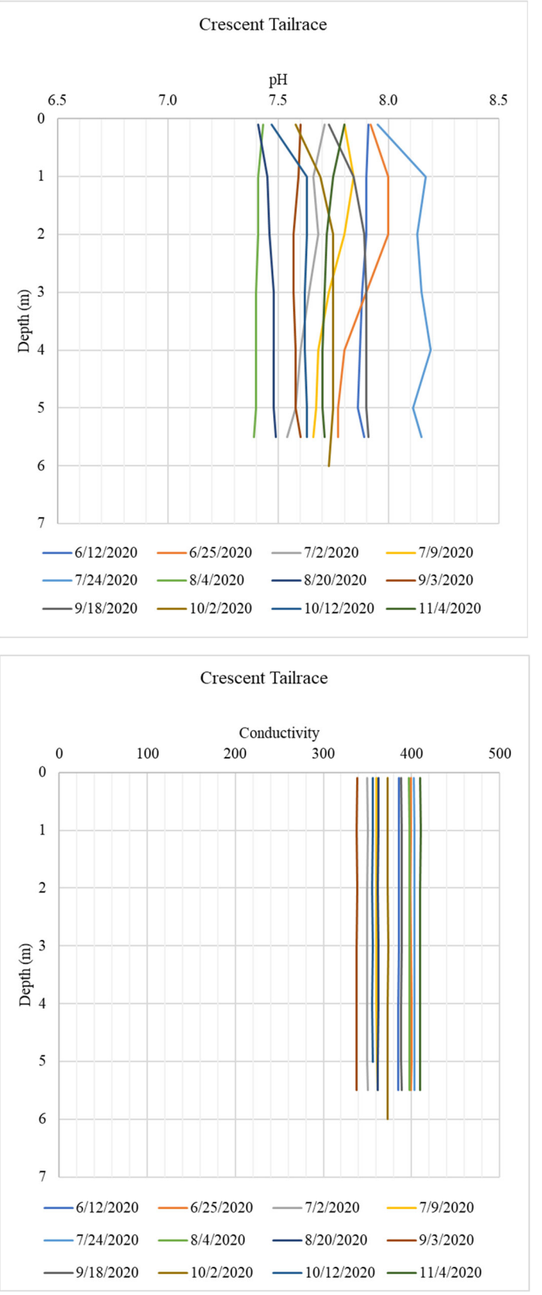
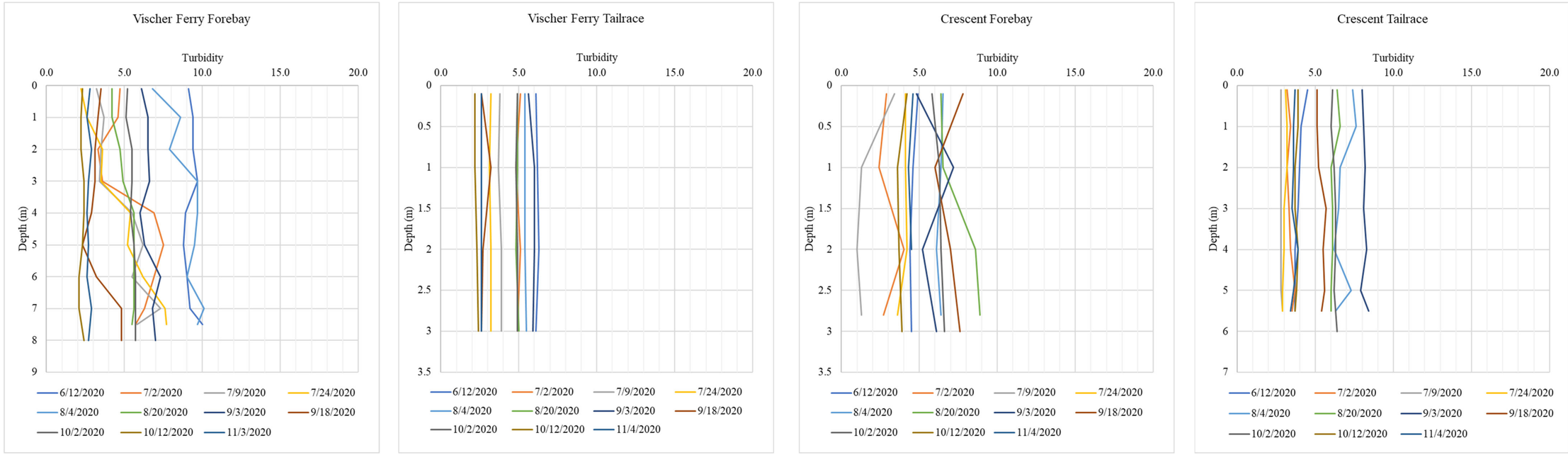


Figure 3.4-3: Turbidity Vertical Profiles at All Sites



Notes: Turbidity data from 6/25/2020 rejected.

Data for all vertical profile charts located in Appendix B.

Figure 3.4-4a: Vischer Ferry Forebay Vertical Temperature Isopleth

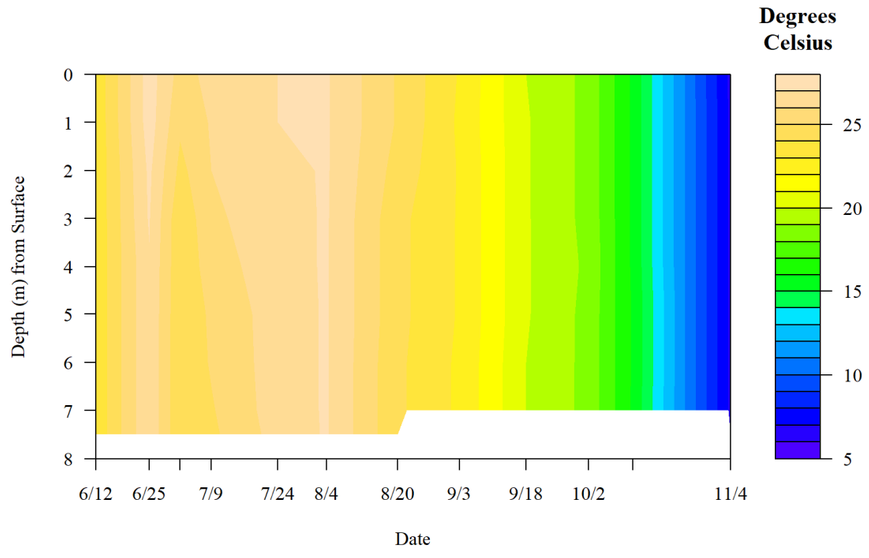


Figure 3.4-4b: Vischer Ferry Tailrace Vertical Temperature Isopleth

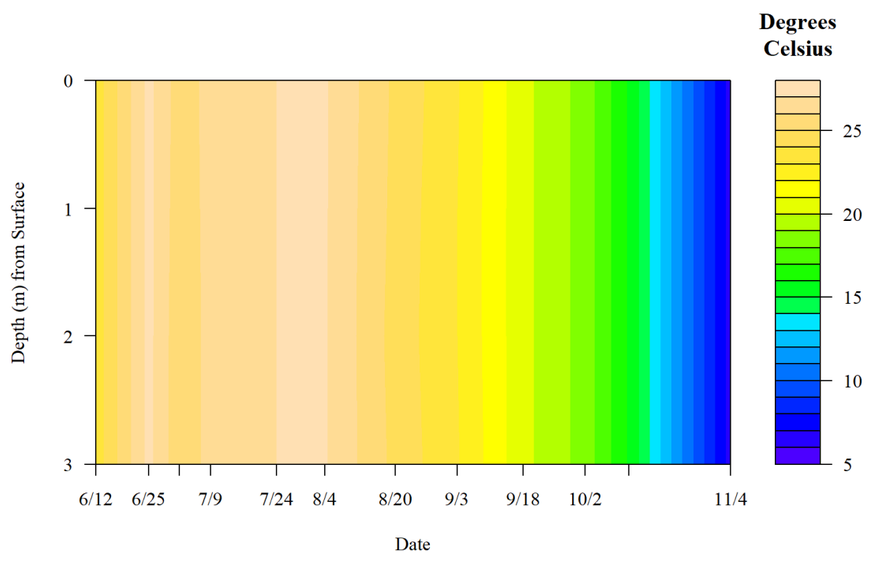


Figure 3.4-4c: Vischer Ferry Forebay Vertical Dissolved Oxygen Isopleth

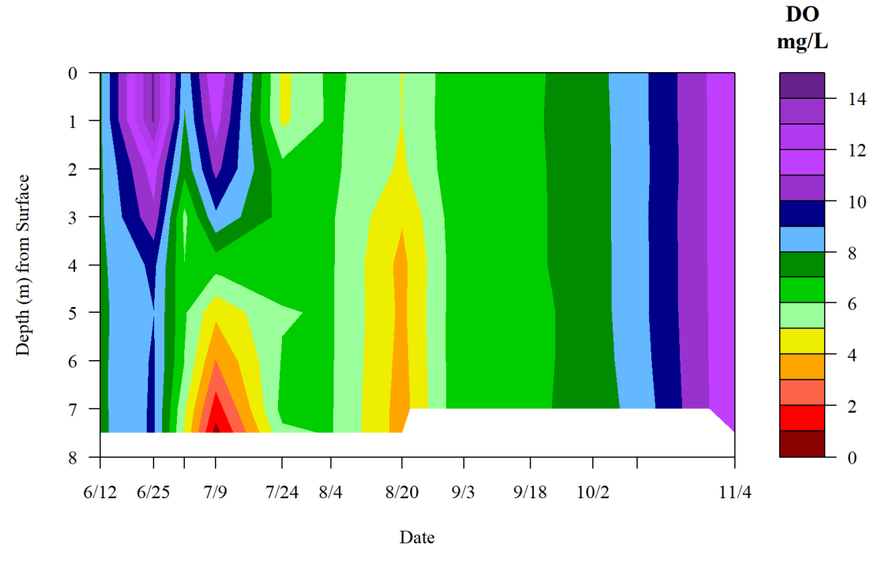


Figure 3.4-4d: Vischer Ferry Tailrace Vertical Dissolved Oxygen Isopleth

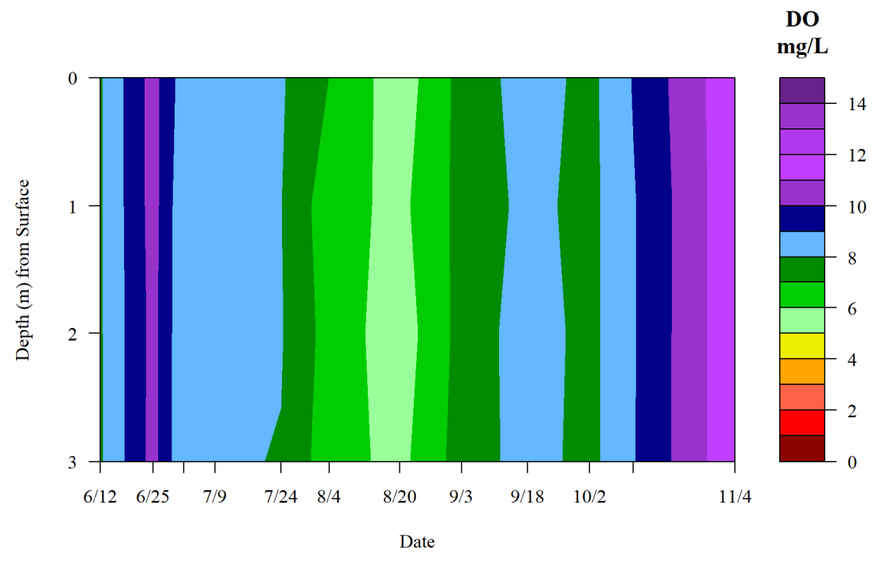


Figure 3.4-5a: Crescent Forebay Vertical Temperature Isopleth

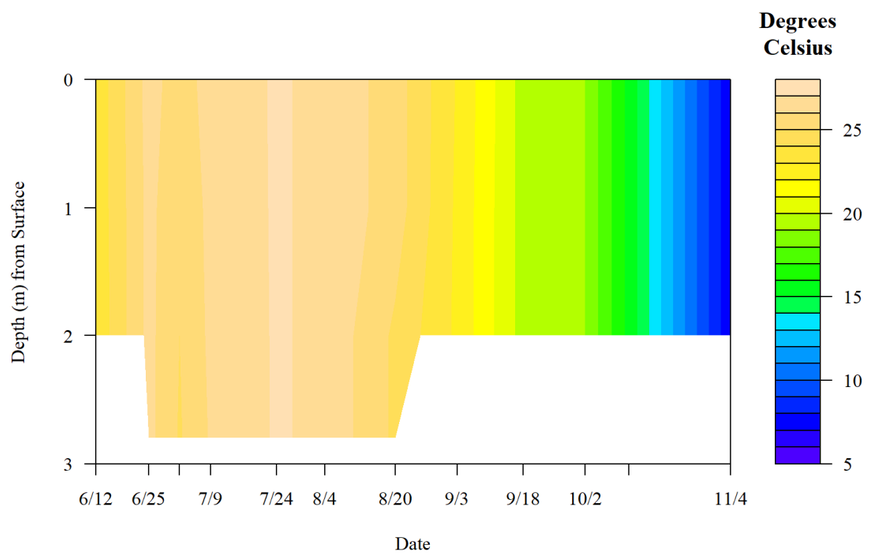


Figure 3.4-5b: Crescent Tailrace Vertical Temperature Isopleth

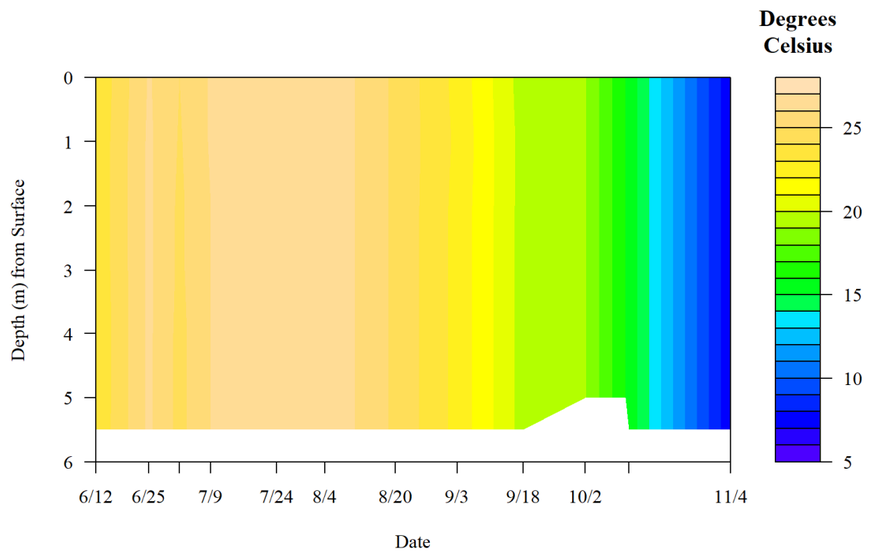


Figure 3.4-5c: Crescent Forebay Vertical Dissolved Oxygen Isopleth

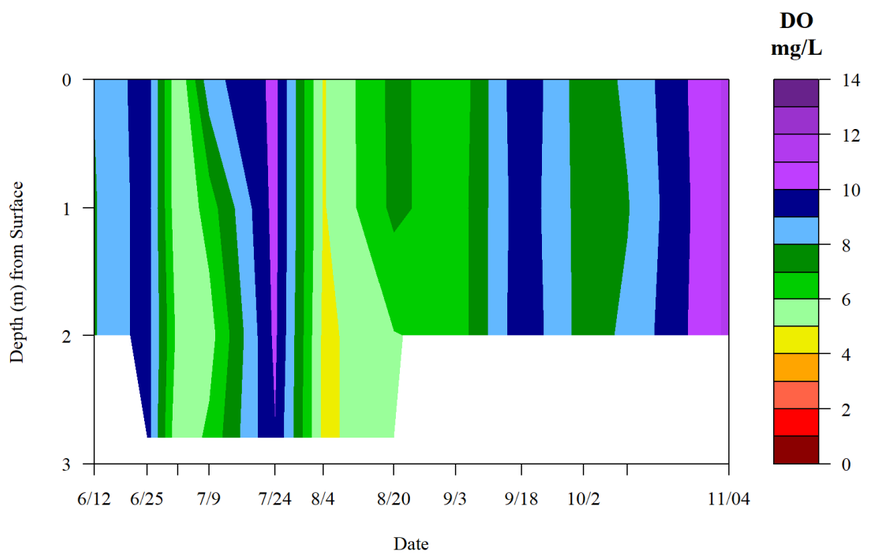
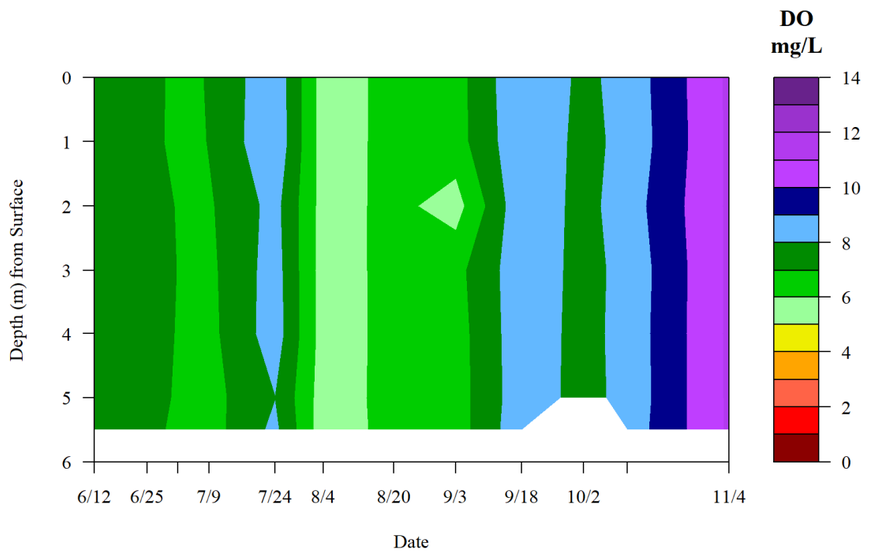


Figure 3.4-5d: Crescent Tailrace Vertical Dissolved Oxygen Isopleth



4 Summary and Discussion

The goals of this study are to 1) evaluate the effects, if any, of each Project on water quality, and 2) to determine if water quality in the Project vicinity is in compliance with NYS water quality standards. The study goals achieved the objectives stated in the RSP. Continuous dissolved oxygen and water temperature data were collected during the summer and early fall months in 2020. The monitoring period captured low flow, and high air and water temperature conditions in the area of the Projects. This is the period when low DO levels are most likely to occur in waters released through the Projects. The study also achieved the objective of characterizing additional water quality conditions at each Project by collecting data on pH, conductivity, and turbidity in the Project impoundments and tailwater locations.

The monitoring period was initiated later than the May 1 start date envisioned in the RSP. Due to the global pandemic, the monitoring program was delayed while safety and access measures were determined. During the 2020 water quality monitoring period (June 12 – November 4, 2020), the Project turbines were generally run at low levels in the summer months due to lower river inflows. There were periods during July when inflows were too low to run any of the turbines at the Projects for several days; the turbines were off-line, and flow was passed over the dams during these periods. Flows in the Mohawk River were generally at or below normal during the monitoring period with a few exceptions. A high flow event during early August was also captured.

The study successfully collected baseline water quality information for Crescent and Vischer Ferry Projects. Water quality data were collected at the Projects under a range of environmental and operational conditions, including high temperature and low flow periods. Key findings from this study are summarized below.

Water temperatures at the Projects displayed very similar patterns at all sites throughout the study period. Throughout June, water temperatures warmed steadily at all sites and remained above 25 °C for most of July. The maximum water temperatures among all sites were observed in July and ranged from 28.4 °C to 29.5 °C. Water temperatures cooled in early August in response to heavy precipitation and increased river flows. There was no evidence of thermal stratification at any monitoring location. The temperature was well mixed from top to bottom at each site. Both the continuous and vertical profile data demonstrated that water temperatures were consistent at the Forebay and Tailrace sites at each Project. There were no apparent effects of Project operations on water temperature.

Additional parameters collected on a bi-weekly basis (pH, conductivity and turbidity) also displayed similarities among the monitoring sites. These parameters measured in the Forebay and Tailrace sites at each Project were generally consistent from top to bottom and the Tailrace values were similar to those measured concurrently in the Forebay. There were no apparent effects of Project operations on these parameters. On two occasions in the Vischer Ferry Forebay elevated pH values were measured in the top layer of the water column. These elevated pH values were likely affected by photosynthetic processes in the impoundment.

The bi-weekly vertical profiles collected during the study demonstrated that the DO values in both Project tailraces remain consistent from top to bottom. The Vischer Ferry Forebay site showed that DO levels can stratify when the turbines are not operating. DO stratification occurred on June 25 and July 9 when the turbines were off-line due to low river flows and low DO values were recorded in the deeper portions of the Forebay. At the Vischer Ferry Tailrace profile site, DO remained above 5.0 mg/L at all depths despite the lower DO at times in the Vischer Ferry Forebay. DO at the Crescent Tailrace site also remained above 5.0 mg/L during the biweekly profile measurements.

Continuous data collected from the Project Forebays showed that DO concentrations were highly irregular and erratic at times. At both Forebay sites, DO concentrations dropped below 4.0 mg/L in the months of July and August, but also experienced very high DO values at times, indicating the highly productive nature of aquatic plant growth in the Project impoundments.

Dissolved oxygen levels in the Project areas are influenced by natural aquatic plant production and organic processes in the Project impoundments as evidenced by the large daily fluctuations observed in the Project forebays. The Crescent Project impoundment appears more affected by this natural variation than Vischer Ferry. Large mats of floating aquatic vegetation (i.e., water chestnut) are abundant in each Project impoundment upstream of the Project intakes and these plants can contribute to variability in daily DO concentrations through respiration and photosynthesis. Decomposition of the water chestnut plants which die back each year can also result in reduced levels of dissolved oxygen in the water.

The Projects maintain minimum flows over the respective dams (200 cfs at Vischer Ferry and 250 cfs at Crescent). When the flow through the Forebays is low or when the turbines are off-line, the low (or lack of) inflows combined with natural plant decomposition activity (which consumes oxygen) results in lower DO values in the Project forebays.

Despite the lower DO at times in the forebays, the Project tailraces generally remain well oxygenated. DO in the Crescent Tailrace fell below 4.0 mg/L for two short periods (e.g., one 15 minute period on July 8 and the morning of July 11) when the Project turbines were off-line and all inflows were passed at the dam. DO data measured in the Vischer Ferry Tailrace was greater than 4.0 mg/L at all times. The average daily DO values in each tailrace were always greater than 5.0 mg/L. The layout of the Vischer Ferry Project is such that even when the turbines are off-line, the spillage at Vischer Ferry Dam reaches the tailrace area keeping DO levels sufficient. At the Crescent Project, when the turbines are off-line, the dam spillage at the Project mostly occurs on the opposite side of the river. This likely led to a short duration period when DO levels fell below 4.0 mg/L in the Crescent Tailrace when the Project was off-line. DO measured in the tailrace monitoring locations remained above 4.0 mg/L at all times when the Project turbines were operating.

5 Literature Cited

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Appendix A – Continuous Water Temperature and Dissolved Oxygen Data – All Sites, Monthly Charts

Figure A-1: Continuous Dissolved Oxygen Concentration at Crescent and Vischer Ferry Projects, June 2020

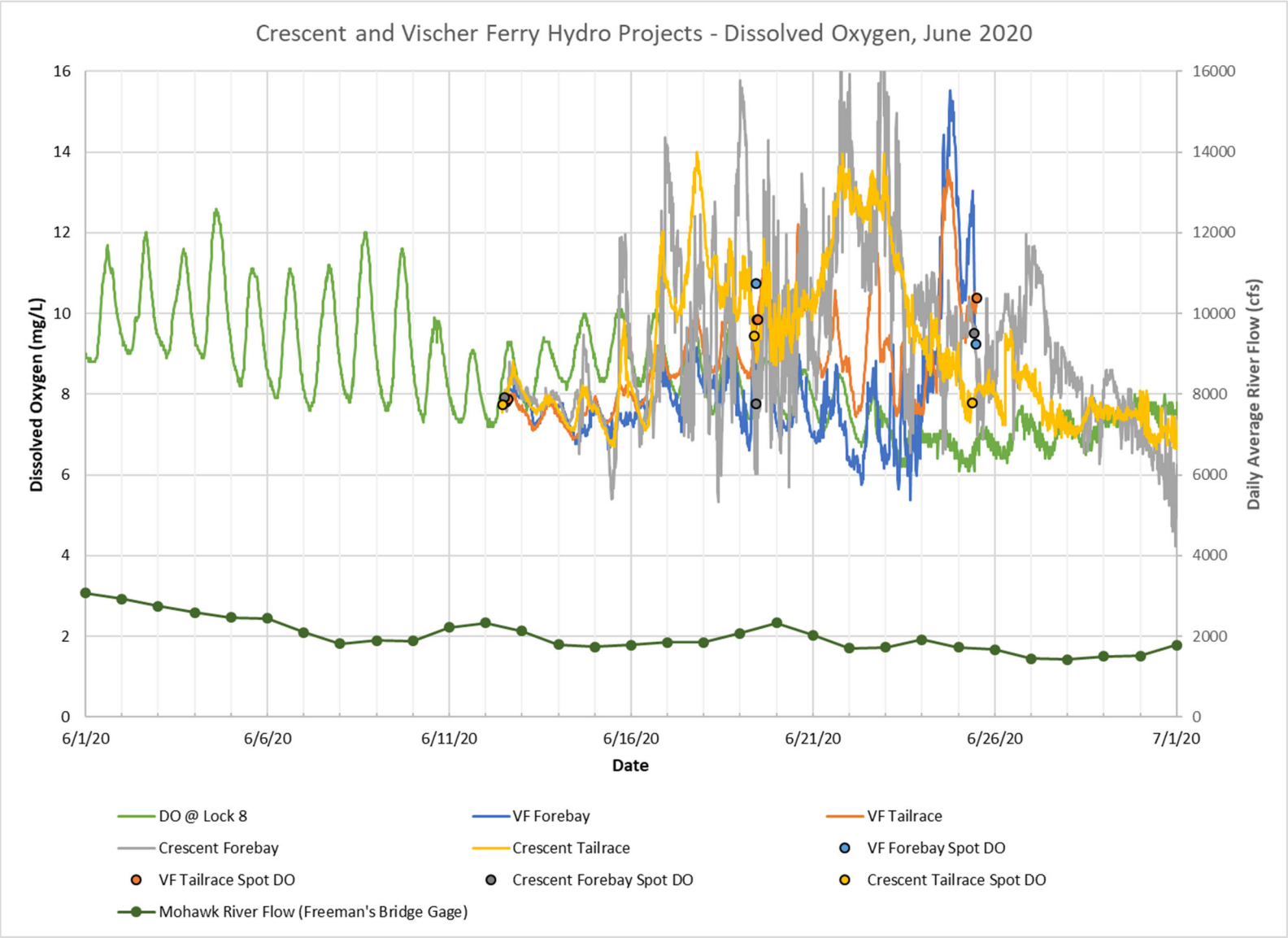


Figure A-2: Continuous Dissolved Oxygen Concentration at Crescent and Vischer Ferry Projects, July 2020

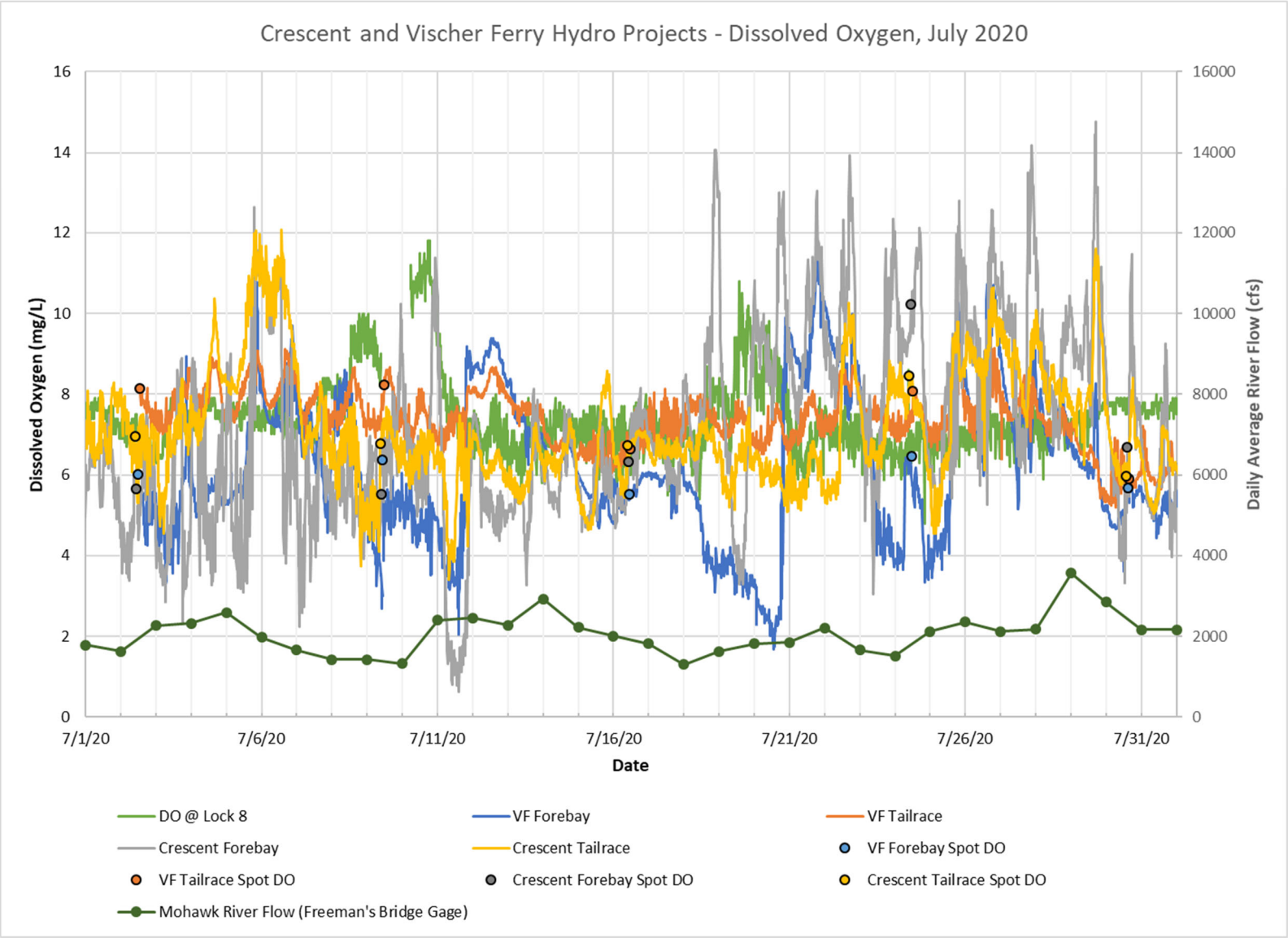


Figure A-3: Continuous Dissolved Oxygen Concentration at Crescent and Vischer Ferry Projects, August 2020

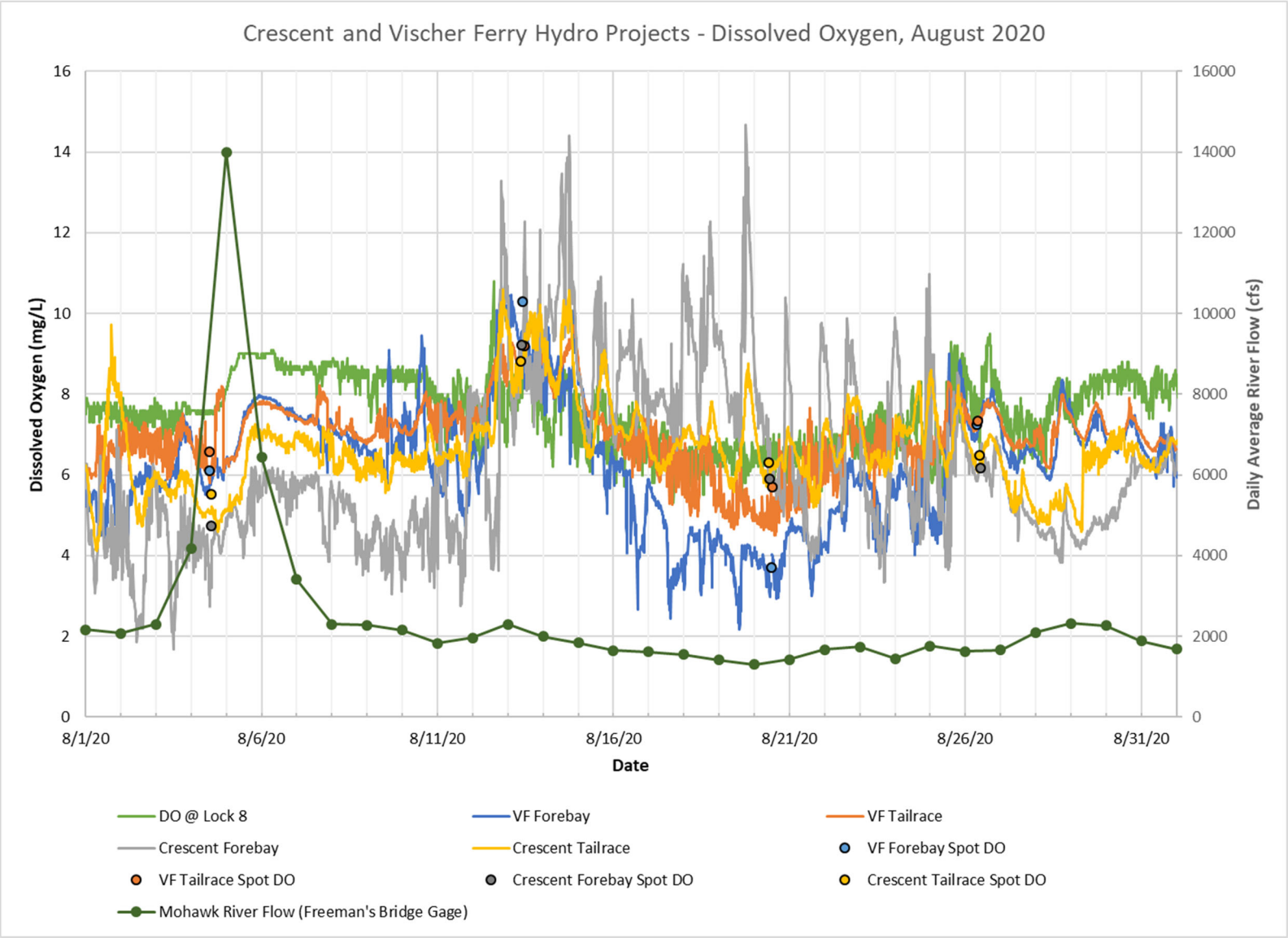


Figure A-4: Continuous Dissolved Oxygen Concentration at Crescent and Vischer Ferry Projects, September 2020

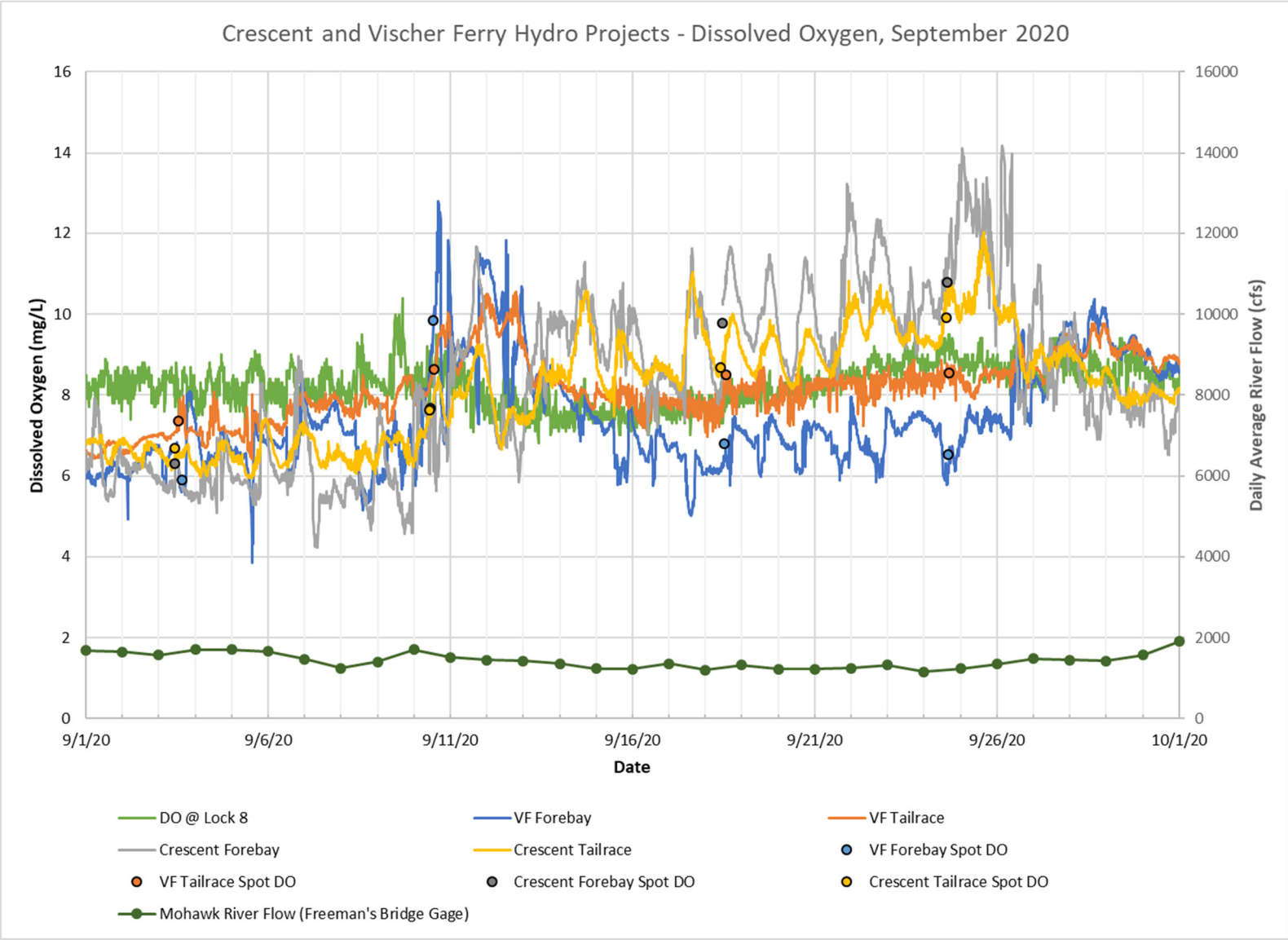


Figure A-5: Continuous Dissolved Oxygen Concentration at Crescent and Vischer Ferry Projects, October 2020

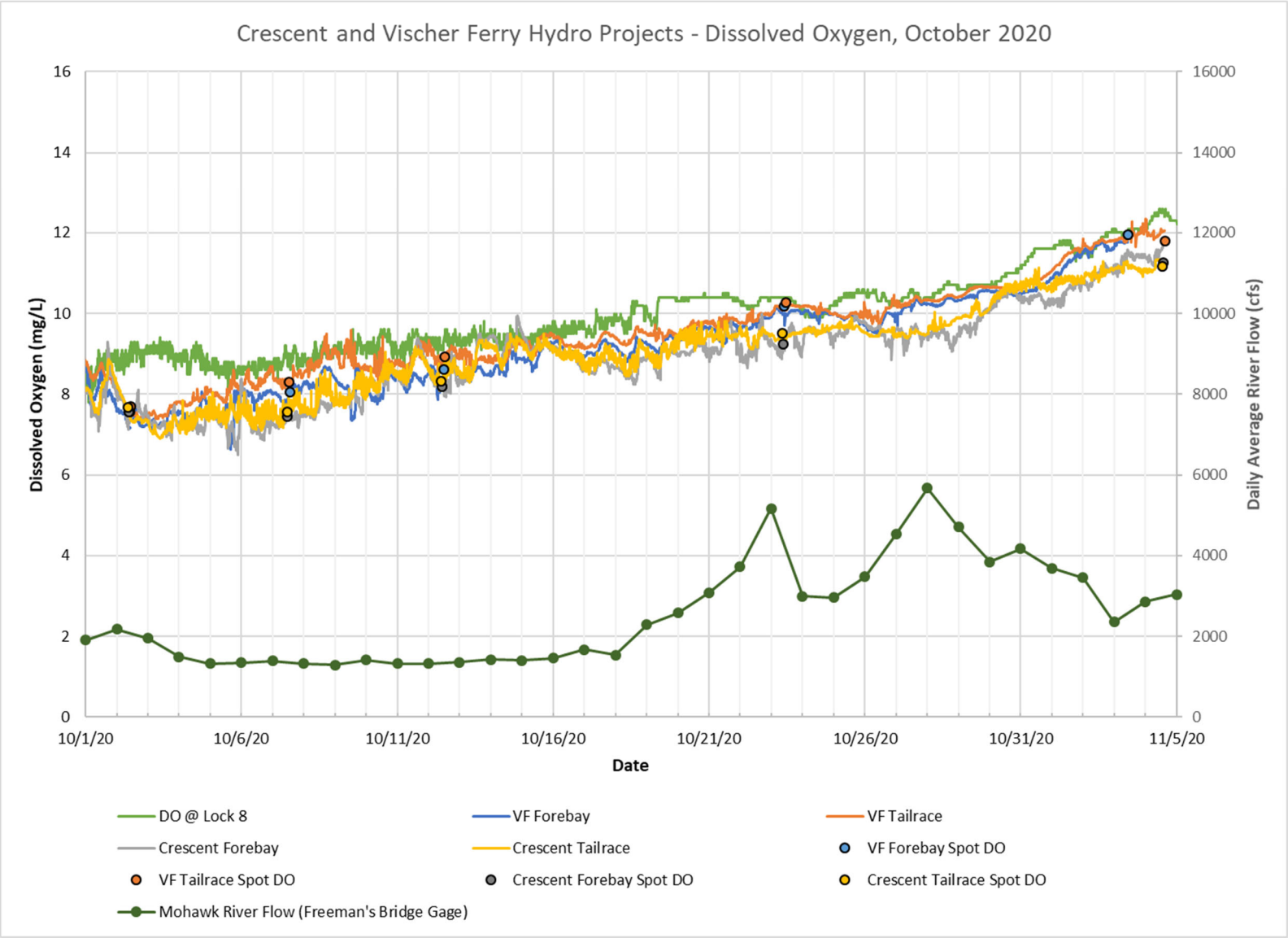


Figure A-6: Continuous Water Temperature at Crescent and Vischer Ferry Projects, June 2020

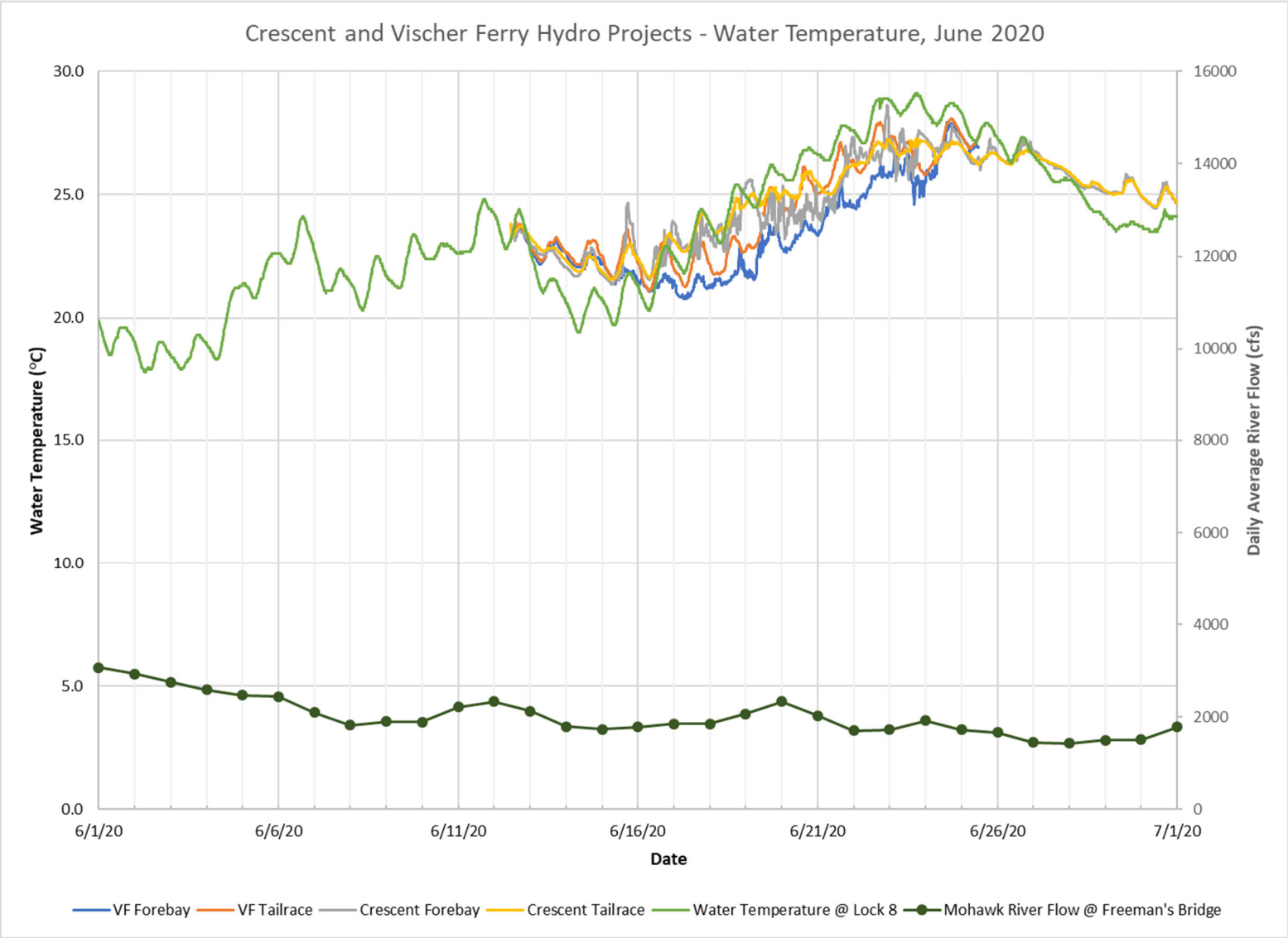


Figure A-7: Continuous Water Temperature at Crescent and Vischer Ferry Projects, July 2020

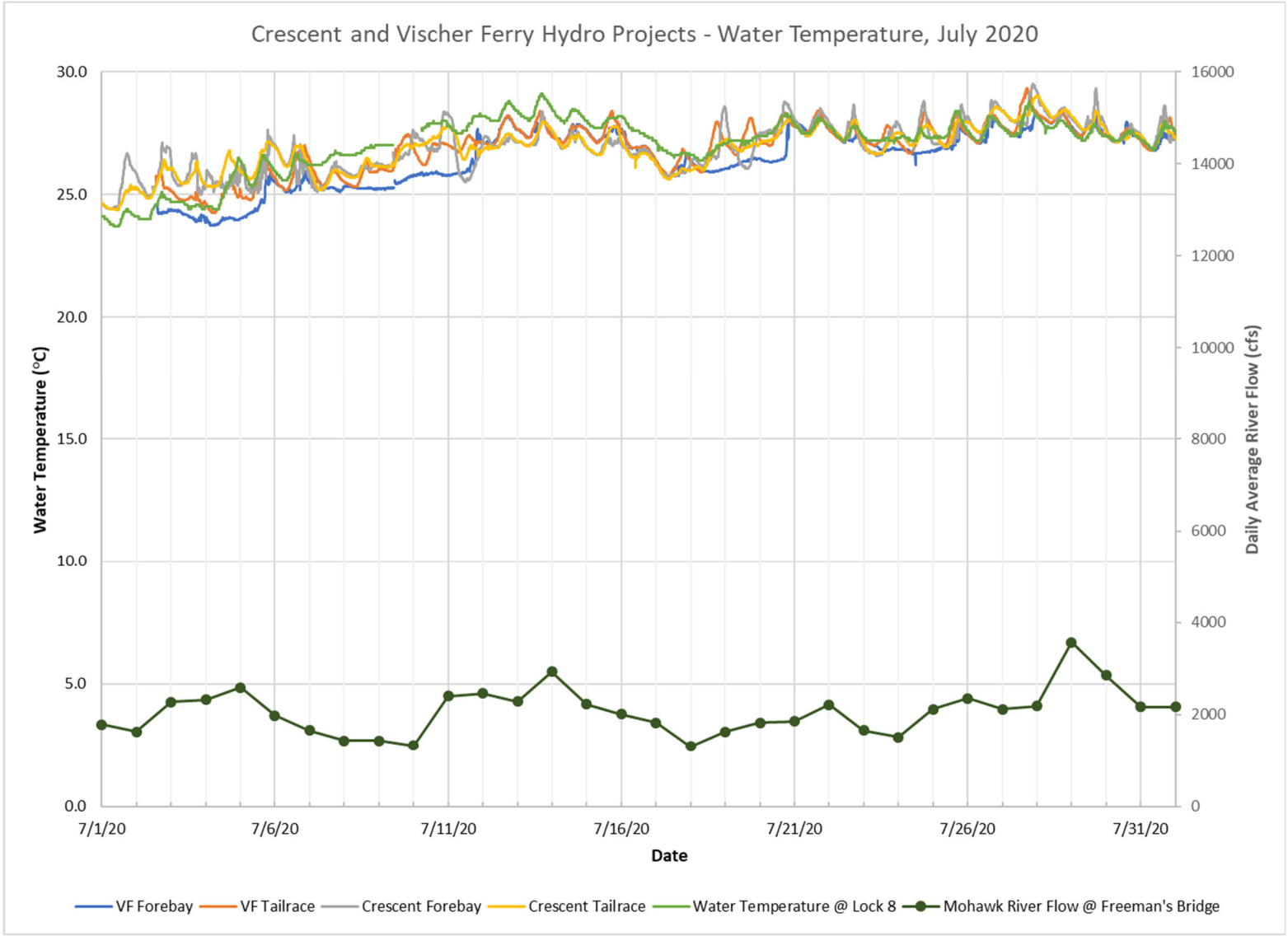


Figure A-8: Continuous Water Temperature at Crescent and Vischer Ferry Projects, August 2020

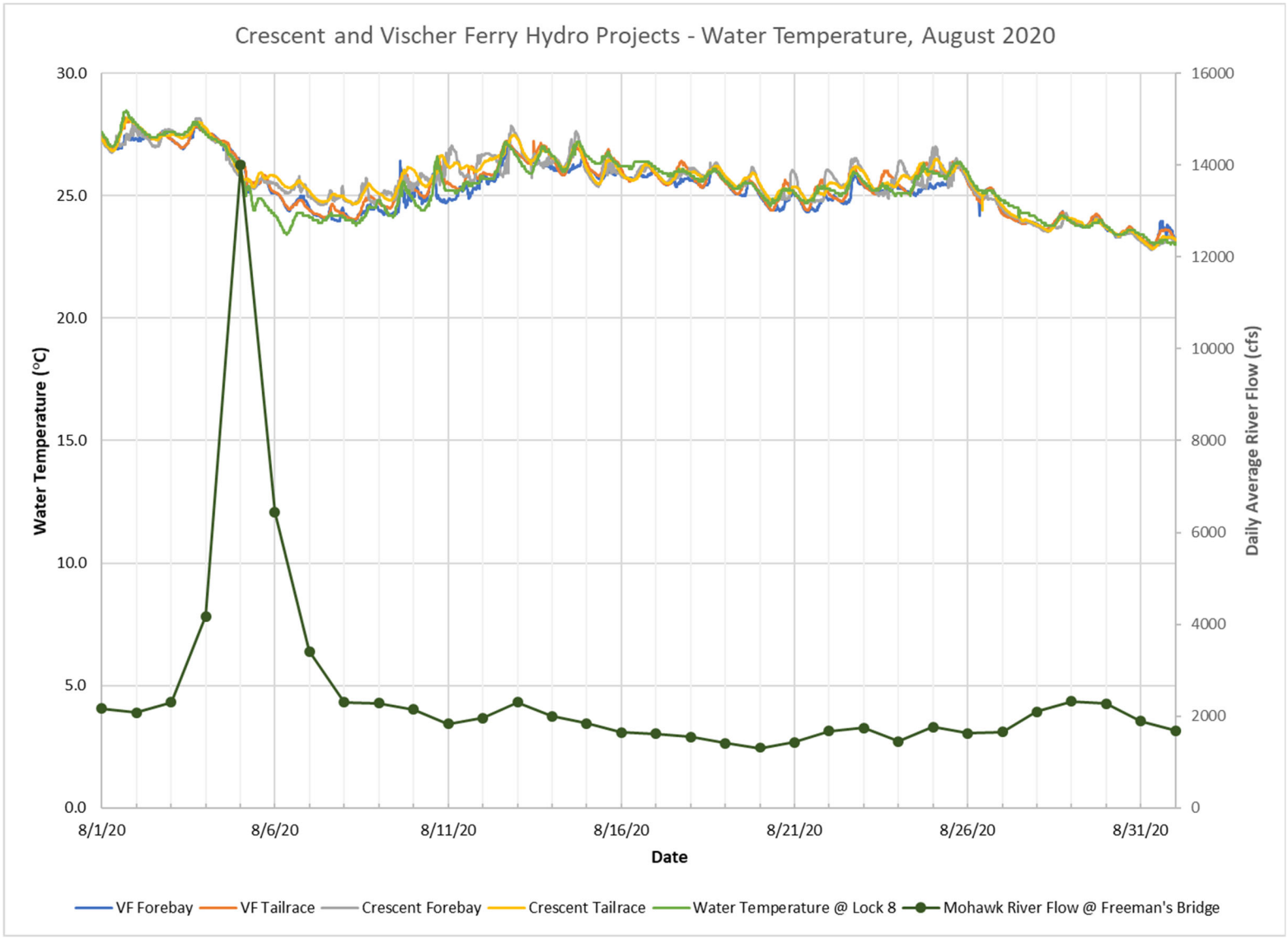


Figure A-9: Continuous Water Temperature at Crescent and Vischer Ferry Projects, September 2020

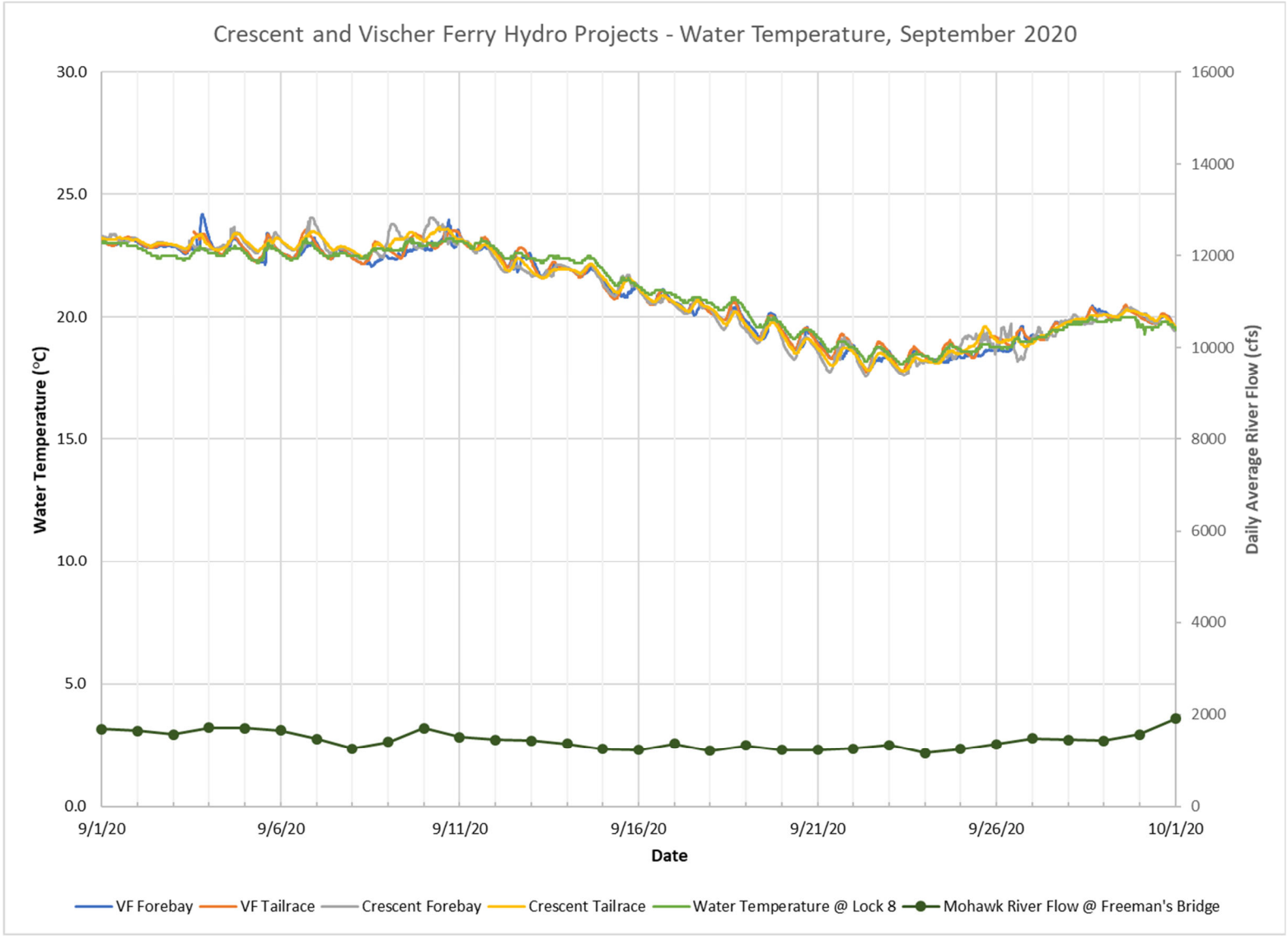


Figure A-10: Continuous Water Temperature at Crescent and Vischer Ferry Projects, October 2020

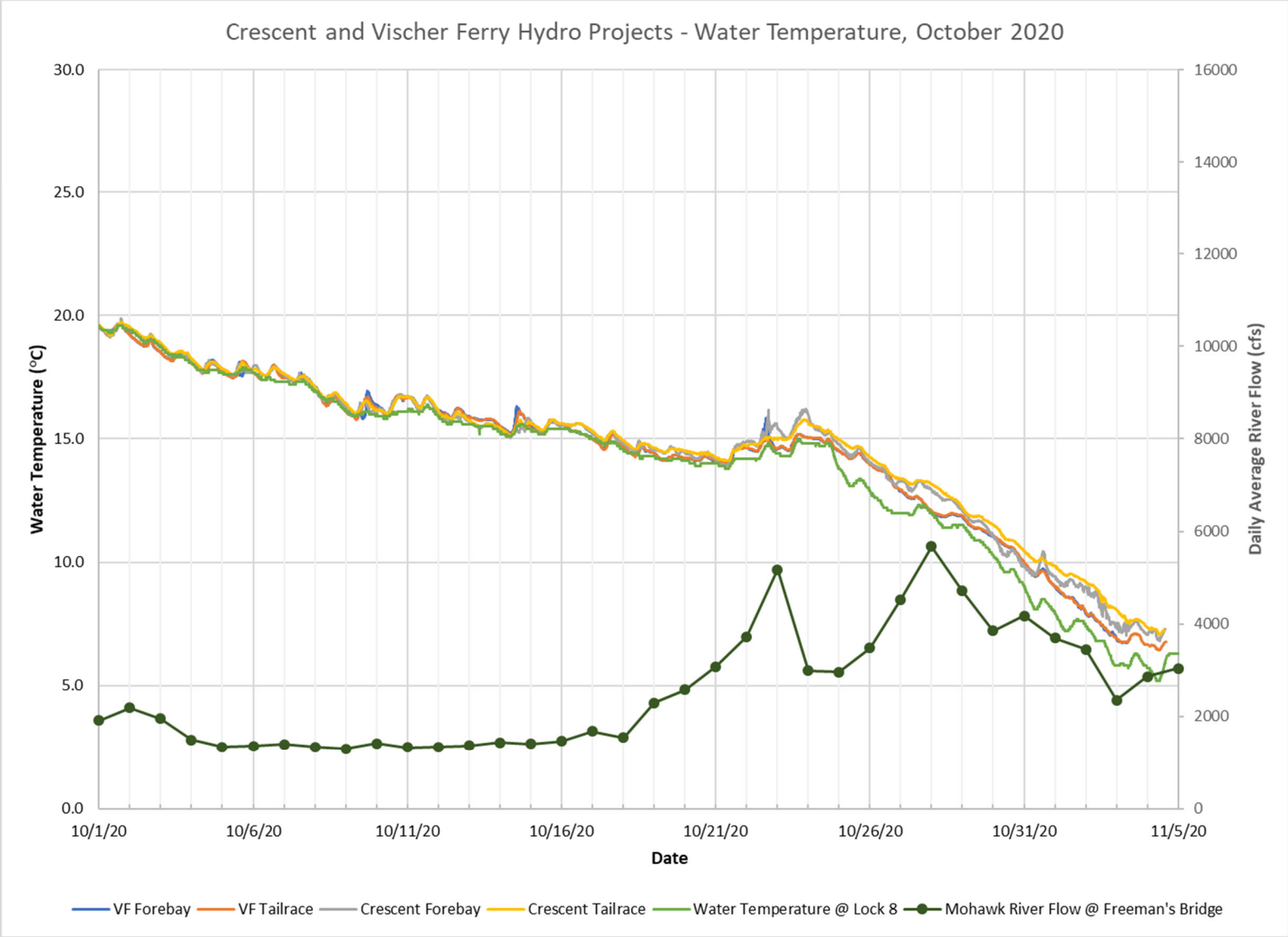


Figure A-11: Continuous Dissolved Oxygen Percent Saturation at Crescent and Vischer Ferry Projects, June 2020

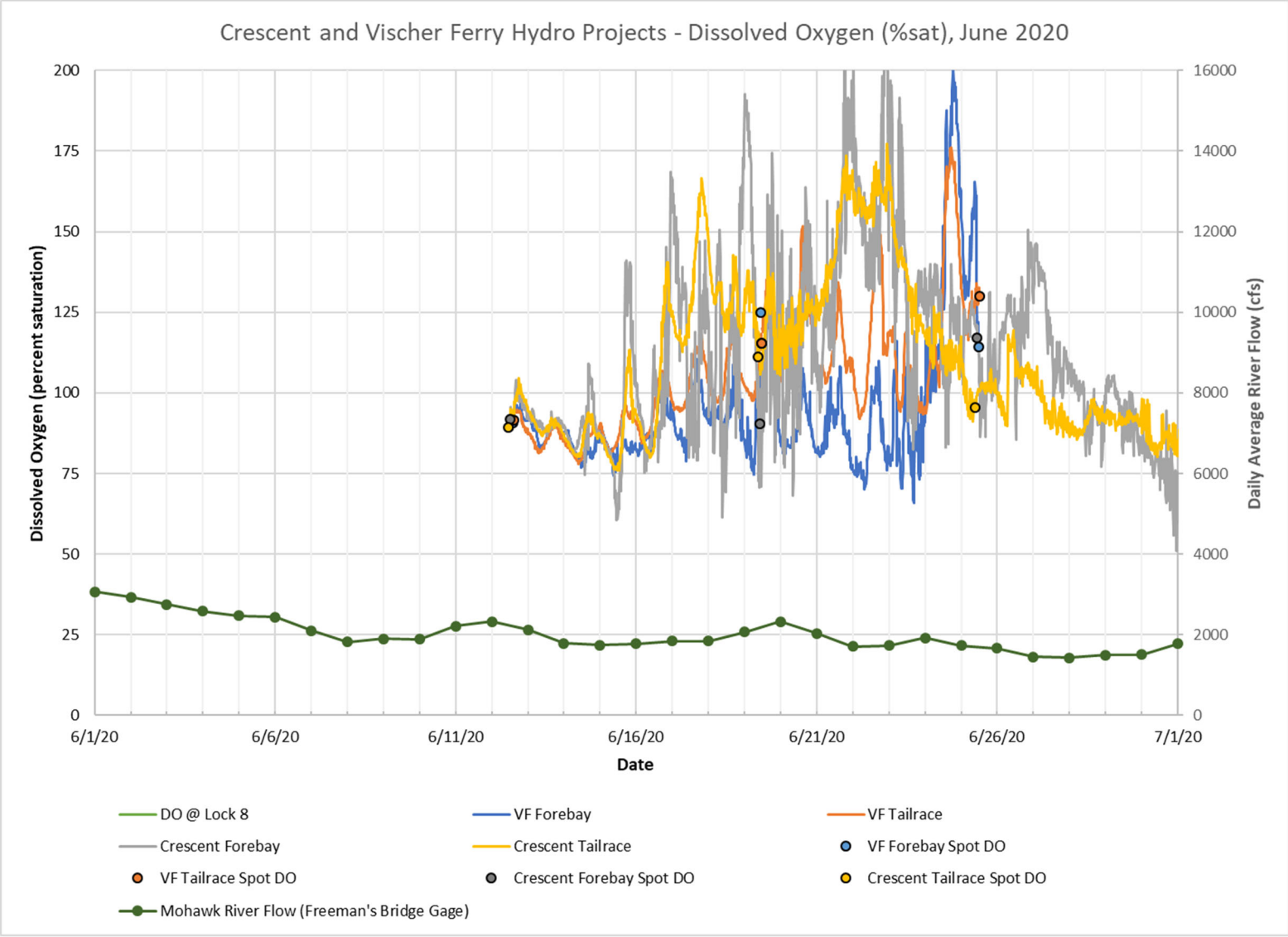


Figure A-12: Continuous Dissolved Oxygen Percent Saturation at Crescent and Vischer Ferry Projects, July 2020

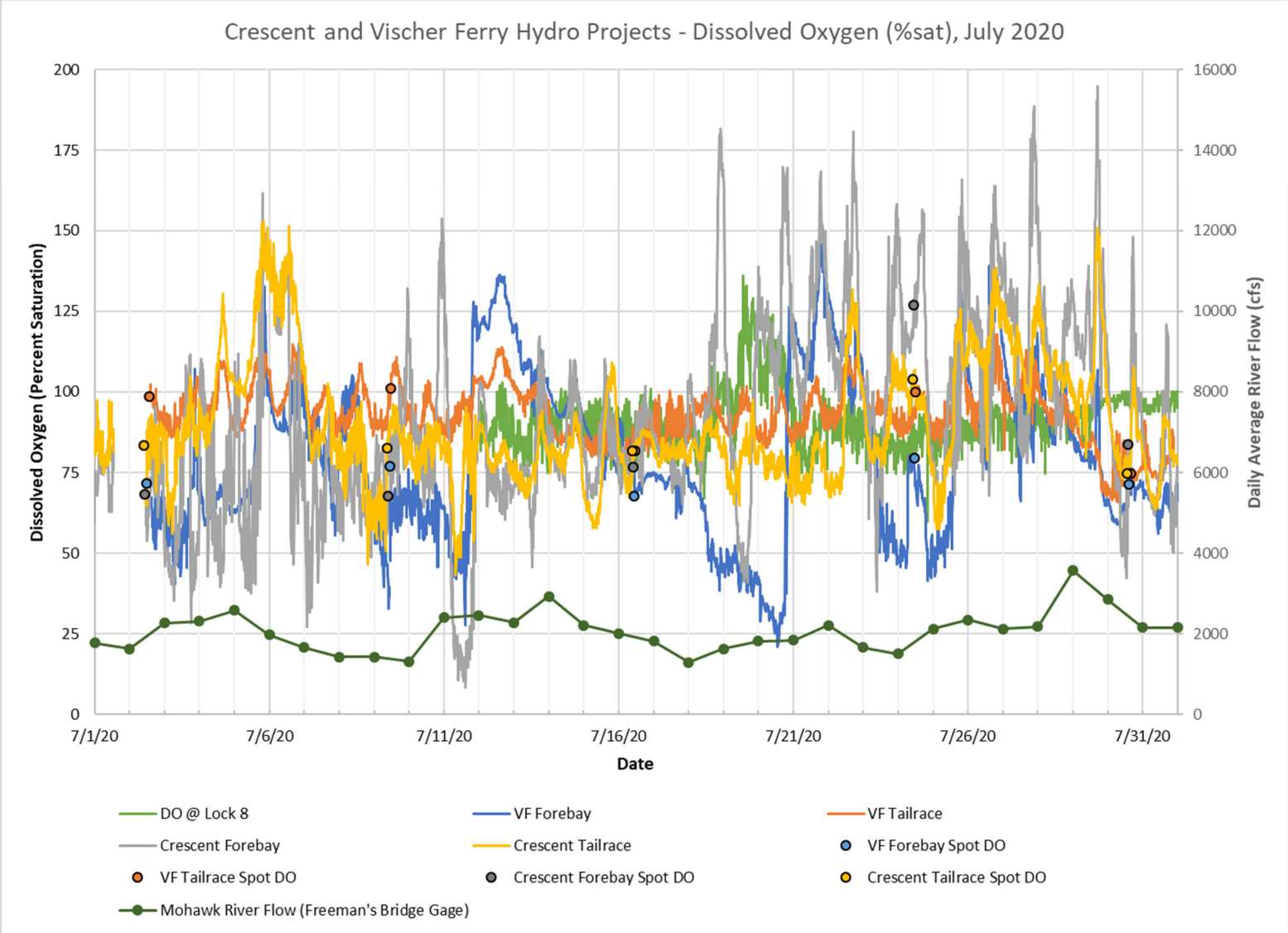


Figure A-13: Continuous Dissolved Oxygen Percent Saturation at Crescent and Vischer Ferry Projects, August 2020

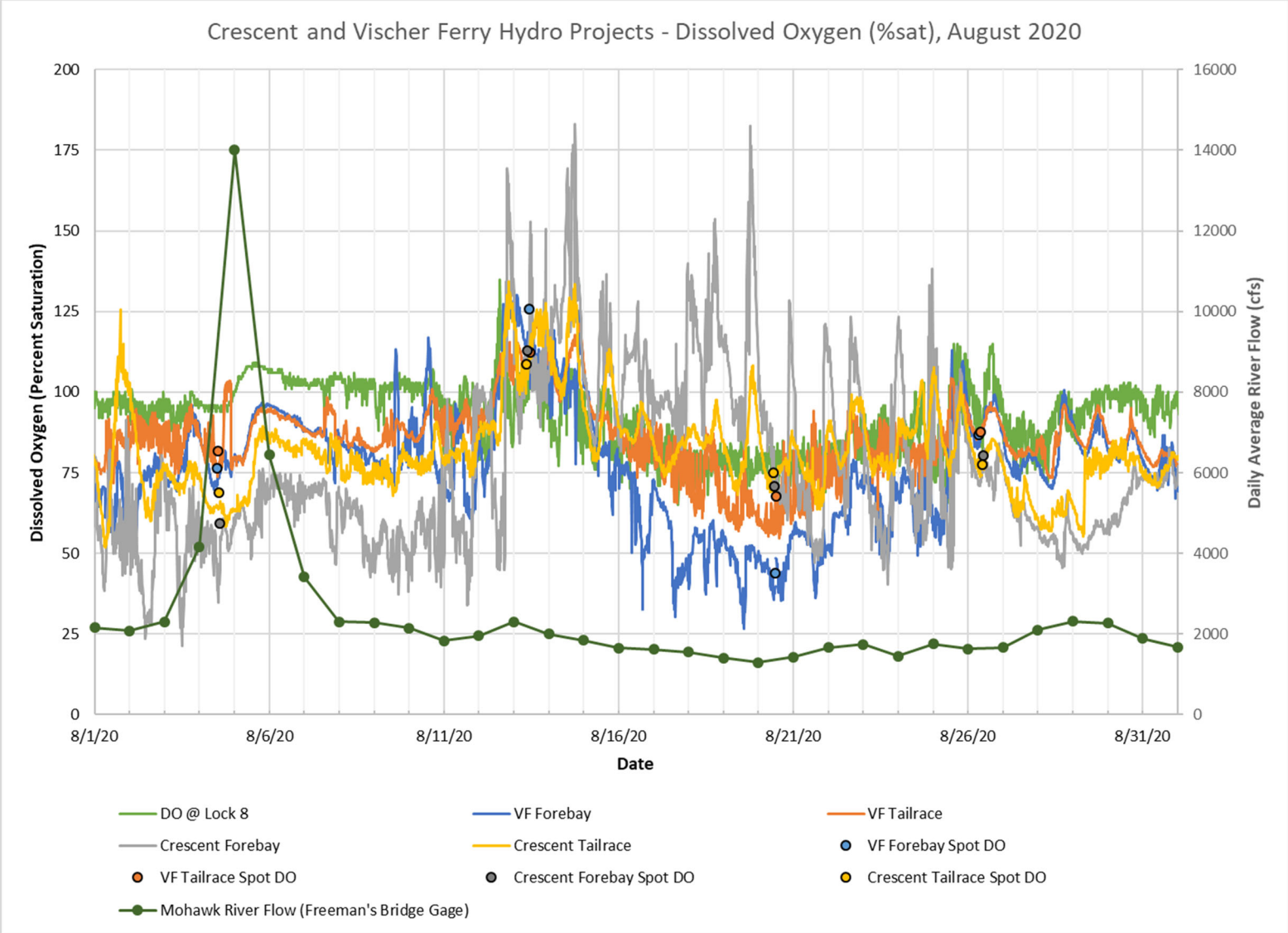


Figure A-14: Continuous Dissolved Oxygen Percent Saturation at Crescent and Vischer Ferry Projects, September 2020

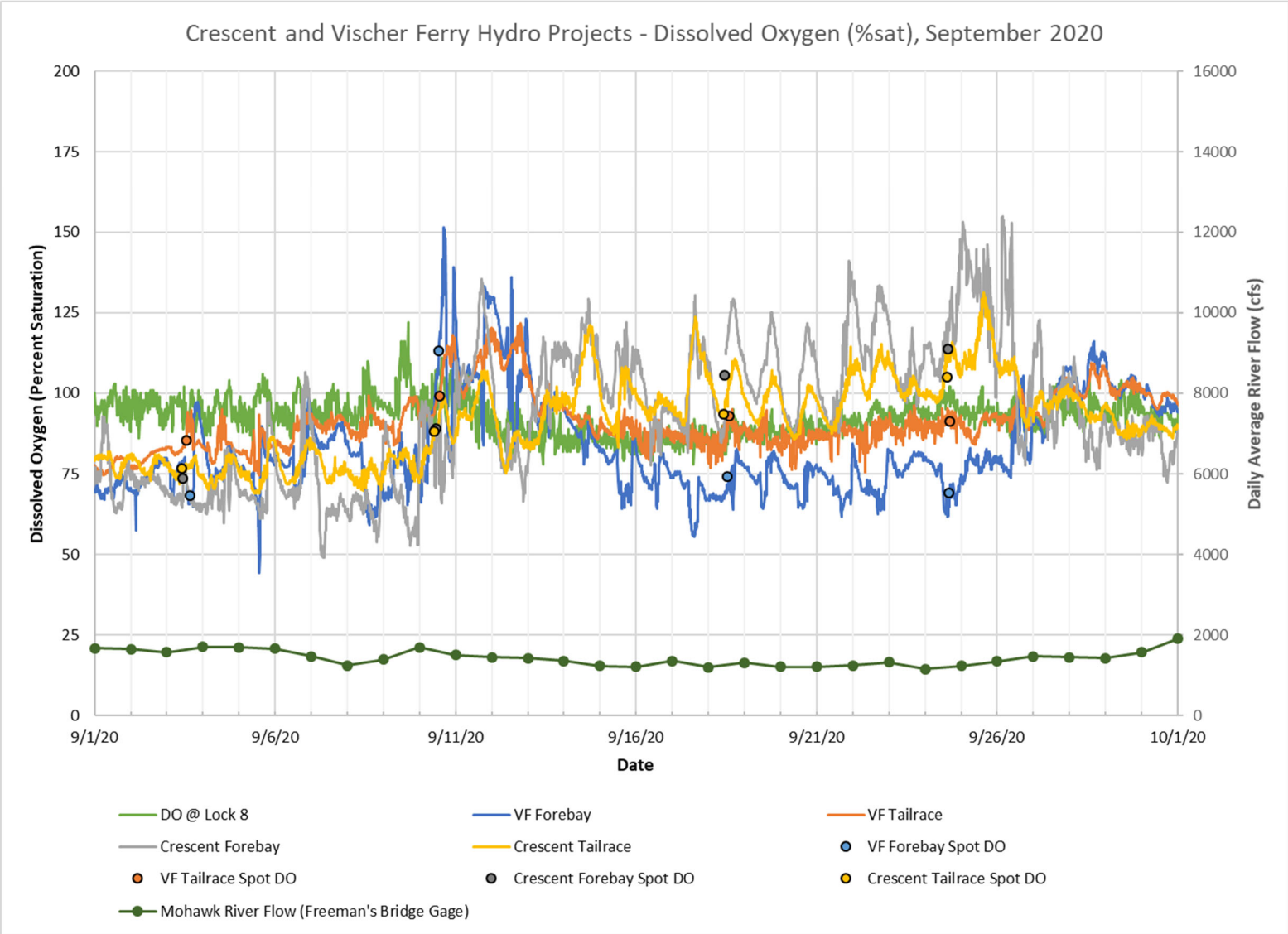
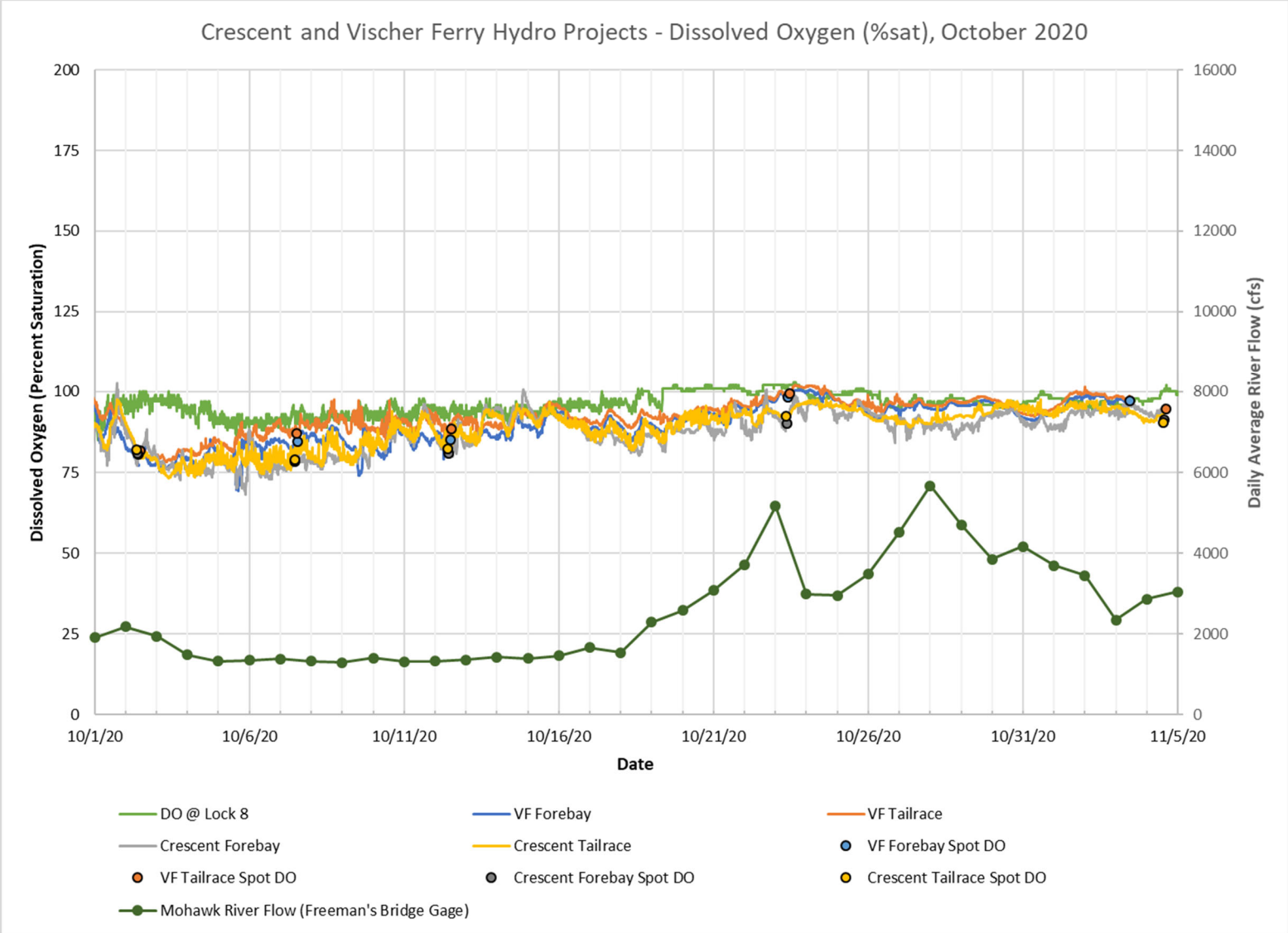


Figure A-15: Continuous Dissolved Oxygen Percent Saturation at Crescent and Vischer Ferry Projects, October 2020



Appendix B – Vertical Profile Data

Table B-1: Vischer Ferry Forebay Vertical Profile Data

Vischer Ferry Forebay

6/12/2020

Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes
0.1	23.2	7.81	90.6	7.99	440.9	9.1	
1	23.2	7.84	90.9	8.01	441.1	9.4	
2	23.2	7.83	90.8	8.00	440.7	9.4	
3	23.2	7.82	90.7	8.01	441.3	9.7	
4	23.2	7.81	90.6	8.00	441.8	8.9	
5	23.2	7.80	90.4	8.00	442.1	8.8	
6	23.2	7.80	90.4	7.99	442.0	9.0	
7	23.2	7.79	90.3	7.99	441.9	9.2	
7.5	23.2	7.77	90.1	7.78	441.9	10.0	

Begin Time: 13:34 **End Time:** 13:45 **Meter:** YSI PRODSS

Weather: partly cloudy, hot, windy on forebay

Notes: Logger installed at depth = 4 m
Bottom depth = 8.2m

Staff: JG, BS

Vischer Ferry Forebay

6/25/2020

Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes
0.1	27.5	14.17	178.0	8.86	393.6	~~86.8~~	
1	27.5	14.16	177.3	8.84	392.9	~~58.6~~	
2	27.2	11.53	144.4	8.54	397.9	~~63.1~~	
3	27.1	10.75	134.2	8.45	399.0	~~65.4~~	
4	26.9	9.24	114.4	8.14	400.8	~~70.1~~	
5	26.9	8.99	111.9	7.98	400.7	~~73.4~~	
6	26.9	9.12	113.7	8.02	400.5	~~70.1~~	
7	26.9	9.17	114.3	8.02	400.4	~~69.3~~	
7.5	26.9	9.18	114.3	8.01	400.5	~~65.2~~	

Begin Time: 11:20 **End Time:** 11:38 **Meter:** YSI PRODSS

Weather: sunny, light breeze, ~80F

Notes: Installing upstream boat barrier

Staff: MN, MF

QA: Reject Turbidity - bad calibration. JPG

Vischer Ferry Forebay

7/2/2020

Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes
0.1	25.6	8.34	101.9	7.88	375.1	4.7	
1	25.2	7.89	95.7	7.80	375.1	4.6	
2	24.7	7.29	87.5	7.72	374.8	3.3	
3	24.2	5.72	68.1	7.57	376.1	3.6	
4	24.2	6.02	71.6	7.59	377.4	6.9	
5	24.1	6.13	72.9	7.57	377.6	7.5	
6	24.1	5.96	70.7	7.50	377.8	6.9	
7	24.1	5.11	60.7	7.41	378.4	6.3	
7.5	24.1	4.79	56.9	7.34	378.4	5.7	

Begin Time: 11:32 **End Time:** 11:50 **Meter:** YSI PRODSS

Weather: sunny, hot

Notes:

Staff: JG, MN, MF

Vischer Ferry Forebay

7/9/2020

Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes
0.1	26.3	12.08	148.5	8.54	343.3	3.2	
1	26.1	11.46	140.3	8.45	344.1	3.7	
2	26.0	10.30	125.6	8.30	345.6	3.5	
3	25.8	8.81	107.3	8.00	347.3	3.4	
4	25.5	6.38	77.0	7.60	351.2	5.5	
5	25.2	4.23	50.8	7.38	353.8	6.2	
6	25.1	2.97	35.7	7.27	355.2	5.5	
7	24.9	1.44	17.2	7.18	358.8	7.3	
7.5	24.8	0.63	7.4	7.14	362.1	5.8	

Begin Time: 10:20 **End Time:** 10:37 **Meter:** YSI PRODSS

Weather: sunny, calm, hot

Notes: Not generating

Staff: MN, MF

Vischer Ferry Forebay

7/24/2020								Begin Time:	11:18	End Time:	11:38	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	27.0	4.72	58.1	7.55	415.5	2.2		Weather:	sunny, hot				
1	27.0	4.76	59.0	7.54	415.8	2.6							
2	26.7	6.33	77.8	7.72	417.4	3.6		Notes:					
3	26.6	6.66	82.0	7.78	421.7	3.5							
4	26.6	6.46	79.4	7.75	423.5	5.4		Staff:	MN, MF				
5	26.5	5.92	72.8	7.68	421.9	5.2							
6	26.5	6.08	74.7	7.69	421.9	6.2							
7	26.5	6.36	78.3	7.74	422.6	7.6							
7.5	26.4	5.75	70.6	7.65	422.6	7.7							

Vischer Ferry Forebay

8/4/2020								Begin Time:	12:05	End Time:	12:20	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	27.1	6.28	78.5	7.00	381.4	6.8		Weather:	cloudy, light rain				
1	27.1	6.22	77.8	6.98	381.7	8.6							
2	27.1	6.20	77.4	7.01	381.4	7.9		Notes:	213' on rod				
3	27.1	6.12	76.5	7.02	382.4	9.7							
4	27.1	6.11	76.4	7.12	382.3	9.7		Staff:	MN, MF, JG				
5	27.1	6.11	76.4	7.19	382.6	9.5							
6	27.1	6.10	76.4	7.22	382.7	9.0							
7	27.1	6.09	76.2	7.24	382.7	10.1							
7.5	27.1	6.09	76.2	7.29	382.7	9.7							

Vischer Ferry Forebay

8/20/2020								Begin Time:	11:28	End Time:	11:39	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	24.9	4.97	59.4	7.53	345.6	4.2		Weather:	Sunny, 70F				
1	24.9	4.99	59.7	7.53	345.1	4.2							
2	24.6	4.83	57.2	7.51	344.8	4.7		Notes:					
3	24.3	4.10	48.5	7.41	344.8	4.9							
4	24.3	3.70	43.8	7.36	344.2	5.6		Staff:	MN, CD				
5	24.3	3.78	44.7	7.37	344.2	5.6							
6	24.2	3.67	43.3	7.33	344.4	5.6							
7	24.2	3.55	42.0	7.33	344.5	5.6							
7.5	24.2	3.53	41.7	7.33	344.5	5.5							

Vischer Ferry Forebay

9/3/2020								Begin Time:	11:35	End Time:	11:58	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	22.9	6.87	79.7	7.73	334.9	6.1		Weather:	Sunny, warm				
1	22.8	6.92	80.2	7.73	334.9	6.5							
2	22.9	6.88	79.8	7.71	334.8	6.5		Notes:	Logger stuck was unable to be retrived.				
3	22.9	6.89	79.8	7.71	334.9	6.6			New logger launched at 4m at 3:27pm				
4	22.9	6.91	80.1	7.73	334.9	6.0		Staff:	MN, MF				
5	22.9	6.93	80.4	7.74	335.0	6.3							
6	22.8	6.97	80.8	7.74	335.1	7.3							
7	22.8	6.98	80.9	7.74	335.1	6.8							
8	22.8	6.96	80.7	7.73	335.2	7.0							

Vischer Ferry Forebay

9/18/2020								Begin Time:	12:13	End Time:	12:37	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	20.0	6.79	73.8	7.69	381.8	3.5		Weather:	Sunny,cool. Light breeze				
1	20.1	6.84	74.7	7.72	381.9	3.3							
2	20.1	6.80	74.2	7.71	381.9	3.1		Notes:					
3	20.1	6.79	74.1	7.71	382.0	3.1							
4	20.1	6.79	74.3	7.71	382.0	2.9		Staff:	MN, MF				
5	20.1	6.63	72.3	7.68	381.6	2.3							
6	20.0	6.66	72.6	7.69	381.8	3.2							
7	20.0	6.75	73.3	7.70	382.1	4.8							
8	19.9	6.49	70.4	7.66	382.0	4.8							

10/2/2020								Begin Time:	10:09	End Time:	10:23	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	18.7	7.66	81.5	7.76	371.5	5.2		Weather:	Cloudy, light rain, calm				
1	18.7	7.61	80.9	7.77	371.6	5.1							
2	18.7	7.60	80.8	7.70	371.6	5.5		Notes:					
3	18.7	7.57	80.5	7.76	371.1	5.5							
4	18.8	7.57	80.5	7.76	371.2	5.4		Staff:	MN, MF				
5	18.7	7.56	80.4	7.76	371.3	5.6							
6	18.7	7.54	80.2	7.75	371.3	5.7							
7	18.7	7.49	79.7	7.75	371.2	5.7							
8	18.7	7.49	79.7	7.74	371.1	5.7							

Vischer Ferry Forebay

10/12/2020								Begin Time:	11:41	End Time:	12:01	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	15.8	8.63	85.6	7.81	359.0	2.3		Weather:	Partly cloudy				
1	15.8	8.62	85.5	7.81	359.1	2.2							
2	15.8	8.56	84.9	7.82	359.2	2.2		Notes:					
3	15.8	8.64	85.7	7.82	359.0	2.4							
4	15.8	8.58	85.2	7.81	359.3	2.4		Staff:	MN, MF				
5	15.9	8.61	85.5	7.82	359.0	2.3							
6	15.9	8.49	84.1	7.78	359.0	2.1							
7	15.8	8.34	82.9	7.77	359.2	2.1							
8	15.8	8.24	81.8	7.75	359.5	2.4							

Vischer Ferry Forebay

11/3/2020								Begin Time:	10:20	End Time:	10:35	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	6.7	11.99	97.4	7.33	381.4	2.8		Weather:	Windy, cold, sunny				
1	6.8	11.95	97.1	7.51	381.8	2.6							
2	6.8	11.96	97.2	7.68	381.7	2.9		Notes:	Pond at Dam Crest (Flashboard removal in process)				
3	6.8	11.96	97.3	7.75	381.5	2.7							
4	6.8	11.96	97.3	7.80	381.7	2.6		Staff:	MN, MF				
5	6.8	11.93	97.1	7.83	381.6	2.7							
6	6.8	11.94	97.2	7.85	381.7	2.6							
7	6.8	11.93	97.1	7.85	381.6	2.9							
8	6.8	11.92	97.0	7.84	381.6	2.7							

Table B-2: Vischer Ferry Tailrace Vertical Profile Data

Vischer Ferry Tailrace

6/12/2020

Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes
0.1	23.4	7.92	92.0	8.02	445.0	6.1	
1	23.4	7.90	91.7	8.02	445.0	6.2	
2	23.4	7.88	91.5	8.02	445.0	6.3	
3	23.4	7.86	91.3	8.02	445.0	6.1	

Begin Time: 14:30 **End Time:** 14:34 **Meter:** YSI PRODSS
Weather: Mostly sunny
Notes: Logger installed at depth = 2 m
Bottom depth = 3.6 meters
Staff: JG, BS

Vischer Ferry Tailrace

6/25/2020

Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes
0.1	27.3	10.40	130.3	8.41	398.2	~~56.7~~	
1	27.3	10.39	130.2	8.41	398.2	~~56.4~~	
2	27.3	10.32	129.2	8.40	398.3	~~59.5~~	
3	27.3	10.38	129.9	8.40	398.2	~~58.2~~	

Begin Time: 12:15 **End Time:** 12:22 **Meter:** YSI PRODSS
Weather: Sunny, hot
Notes: Flashboards installed, no spill and very little generation
Staff: MN, MF
QA: Reject Turbidity - bad calibration. JPG

Vischer Ferry Tailrace

7/2/2020

Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes
0.1	25.5	8.43	102.5	8.11	378.8	5.1	
1	25.4	8.19	99.4	8.01	378.5	4.8	
2	25.3	8.18	99.3	8.03	378.5	5.1	
3	25.3	8.14	98.7	7.96	378.4	4.9	

Begin Time: 13:18 **End Time:** 13:22 **Meter:** YSI PRODSS
Weather: Sunny, hot, light breeze
Notes:
Staff: JG, MN, MF

Vischer Ferry Tailrace

7/9/2020

Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes
0.1	26.3	8.36	102.4	8.46	340.9	3.8	
1	26.3	8.23	100.9	8.47	341.8	3.7	
2	26.3	8.24	101.0	8.49	340.6	3.9	
3	26.3	8.15	100.0	8.40	342.0	3.9	

Begin Time: 11:25 **End Time:** 11:34 **Meter:** YSI PRODSS
Weather: Sunny, hot, light breeze
Notes: No generation
Staff: MN, MF

Vischer Ferry Tailrace

7/24/2020

Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes
0.1	27.0	8.10	99.9	8.03	420.8	3.2	
1	27.0	8.02	99.5	8.01	420.8	3.1	
2	27.0	8.07	100.0	8.03	420.9	3.2	
3	27.0	7.95	98.1	8.00	420.8	3.2	

Begin Time: 12:10 **End Time:** 12:18 **Meter:** YSI PRODSS
Weather: Sunny, hot
Notes: Minimal generation
Staff: MN, MF

Vischer Ferry Tailrace

8/4/2020

Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes
0.1	27.1	6.99	87.2	7.58	381.7	5.4	
1	27.1	6.38	81.5	7.54	381.7	5.4	
2	27.1	6.58	81.6	7.54	381.8	5.4	
3	27.1	6.41	79.8	7.53	381.7	5.5	

Begin Time: 12:38 **End Time:** 12:45 **Meter:** YSI PRODSS
Weather: Cloudy, rain
Notes: Strong current
Staff: MN, MF, JG

Vischer Ferry Tailrace

8/20/2020								Begin Time:	12:16	End Time:	12:27	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	24.8	5.41	64.2	7.50	344.3	4.9		Weather:	Cloudy, 75F				
1	24.7	5.75	68.3	7.53	344.5	4.9							
2	24.6	5.43	64.8	7.47	344.5	4.8		Notes:	Water chestnut build-up on bouy and logger cable				
3	24.7	5.71	67.8	7.48	344.4	5.0							
								Staff:	MN, CD				

Vischer Ferry Tailrace

9/3/2020								Begin Time:	12:57	End Time:	13:04	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	23.1	7.34	85.6	7.76	334.9	5.6		Weather:	Overcast, warm				
1	23.0	7.32	85.3	7.74	334.9	6.0							
2	23.0	7.36	85.4	7.74	335.0	6.0		Notes:					
3	23.1	7.44	86.9	7.74	334.9	5.9							
								Staff:	MN, MF				

Vischer Ferry Tailrace

9/18/2020								Begin Time:	13:20	End Time:	13:28	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	20.3	8.46	92.7	7.82	381.3	2.6		Weather:	Sunny, 65F				
1	20.3	8.27	90.5	7.78	381.5	3.2							
2	20.3	8.50	92.9	7.80	381.3	2.7		Notes:	Mild biofouling, logger covered in veg				
3	20.3	8.40	91.9	7.81	381.3	2.6							
								Staff:	MN, MF				

Vischer Ferry Tailrace

10/2/2020								Begin Time:	11:00	End Time:	11:05	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	18.6	7.72	81.9	7.72	370.1	4.9		Weather:	Cloudy, rain				
1	18.6	7.70	81.7	7.76	370.1	4.8							
2	18.6	7.69	81.6	7.76	370.1	4.9		Notes:					
3	18.6	7.69	81.6	7.75	370.1	4.9							
								Staff:	MN, MF				

Vischer Ferry Tailrace

10/12/2020								Begin Time:	12:43	End Time:	13:00	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	15.9	9.08	90.2	7.80	359.5	2.2		Weather:	Sunny, cool				
1	15.9	8.92	88.5	7.78	359.1	2.2							
2	15.9	8.92	88.7	7.77	359.1	2.3		Notes:					
3	15.9	8.96	89.2	7.77	359.1	2.4							
								Staff:	MN, MF				

Vischer Ferry Tailrace

11/4/2020								Begin Time:	14:54	End Time:	5:03:00 PM	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	6.6	11.79	94.4	7.88	380.8	2.6		Weather:	Sunny, cool				
1	6.6	11.78	94.3	7.86	380.8	2.6							
2	6.6	11.79	94.5	7.85	380.9	2.6		Notes:	2m				
3	6.6	11.78	94.3	7.84	380.8	2.6							
								Staff:	MN, MF				

Table B-3: Crescent Forebay Vertical Profile Data

Crescent Forebay

6/12/2020								Begin Time:	12:09	End Time:	12:16	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	23.3	8.04	93.2	7.94	386.0	4.9		Weather:	Sunny, hot				
1	23.3	7.92	291.6	7.94	385.8	4.6							
2	23.2	7.92	91.8	7.93	385.6	4.4		Notes:	Logger installed at depth = 2 m				
3	23.2	7.94	92.4	7.94	385.8	4.5			Bottom depth = 3.5 meters				
								Staff:	JG, BS				

Crescent Forebay

6/25/2020								Begin Time:	10:15	End Time:	10:22	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	26.4	9.59	117.9	8.40	407.7	~~69.1~~		Weather:	Sunny, hot, light breeze				
1	26.3	9.52	117.3	8.38	407.6	~~72.9~~							
2	26.3	9.51	117.1	8.38	407.6	~~71.5~~		Notes:					
2.8	26.3	9.51	117.1	8.38	407.8	~~69.6~~							
								Staff:	MN, MF				
								QA:	Reject Turbidity - bad calibration. JPG				

Crescent Forebay

7/2/2020								Begin Time:	10:24	End Time:	10:28	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	25.5	5.11	62.0	7.60	350.7	2.9		Weather:	Sunny, light breeze,~80F				
1	25.1	5.05	60.9	7.58	349.9	2.4							
2	25.0	5.65	68.3	7.65	350.1	4.0		Notes:					
2.8	24.9	5.06	60.6	7.59	350.3	2.7							
								Staff:	JG, MN, MF				

Crescent Forebay

7/9/2020								Begin Time:	9:31	End Time:	9:37	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	26.4	8.59	105.7	8.09	359.5	3.4		Weather:	Warm, humid, ~85F				
1	26.3	6.47	79.5	7.68	359.1	1.3							
2	26.2	5.52	67.6	7.59	358.7	1.0		Notes:					
2.8	26.1	6.27	76.7	7.68	358.6	1.3							
								Staff:	MN, MF				

Crescent Forebay

7/24/2020								Begin Time:	10:28	End Time:	10:34	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	27.1	10.24	127.1	8.41	401.9	4.1		Weather:	Sunny, light breeze				
1	27.1	10.36	128.6	8.43	402.2	4.1							
2	27.1	10.23	127.0	8.42	402.3	4.2		Notes:					
2.8	27.1	9.94	123.7	8.38	402.4	3.6							
								Staff:	MN, MF				

Crescent Forebay

8/4/2020								Begin Time:	13:58	End Time:	14:02	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	26.8	4.93	61.5	7.37	394.2	6.5		Weather:	~70F, cloudy, heay rain				
1	26.8	4.90	61.1	7.36	394.5	6.4							
2	26.8	4.73	59.2	7.34	394.4	6.1		Notes:					
2.8	26.8	4.73	59.0	7.32	394.5	6.4							
								Staff:	MN, MF, JG				

Crescent Forebay

8/20/2020								Begin Time:	10:43	End Time:	10:48	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	25.5	7.31	88.2	7.69	362.9	6.4		Weather:	Sunny, 70F				
1	25.5	7.25	87.4	7.66	362.8	6.5							
2	24.8	5.95	70.8	7.49	363.0	8.6		Notes:					
2.8	24.8	5.91	70.3	7.49	362.9	8.9							
								Staff:	MN, CD				

Crescent Forebay

9/3/2020								Begin Time:	10:40	End Time:	10:51	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	22.9	6.19	70.6	7.60	338.7	4.8		Weather:	Overcast, ~70F				
1	22.8	6.39	74.0	7.66	339.1	7.2							
2	22.8	6.30	72.9	7.63	339.1	5.2		Notes:					
3	22.9	6.37	73.6	7.63	339.1	6.1							
								Staff:	MN, MF				

Crescent Forebay

9/18/2020								Begin Time:	10:50	End Time:	11:00	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	19.6	9.84	105.5	8.09	390.6	7.8		Weather:	Cool, breezy, partly sunny				
1	19.6	9.66	104.5	8.08	390.2	6.0							
2	19.6	9.78	105.6	8.12	390.5	7.0		Notes:					
3	19.6	9.79	105.6	8.12	390.6	7.6							
								Staff:	MN, MF				

Crescent Forebay

10/2/2020								Begin Time:	9:19	End Time:	9:28	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	19.0	7.44	79.4	7.78	373.6	5.8		Weather:	Cloudy, light rain, calm				
1	19.0	7.56	80.8	7.75	373.7	6.3							
2	19.0	7.57	80.9	7.74	373.7	6.4		Notes:					
3	19.0	7.54	80.5	7.73	373.7	6.6							
								Staff:	MN, MF				

Crescent Forebay

10/12/2020								Begin Time:	10:45	End Time:	10:55	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	15.7	8.17	80.7	7.75	355.8	4.2		Weather:	Cloudy, cold				
1	15.7	7.94	78.7	7.73	355.2	3.6							
2	15.7	8.19	81.0	7.77	355.9	3.7		Notes:					
3	15.7	8.05	79.6	7.74	355.6	3.9							
								Staff:	MN, MF				

Crescent Forebay

11/4/2020								Begin Time:	13:40	End Time:	13:43	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	7.2	11.25	91.4	7.88	408.3	4.6		Weather:	Sunny, clear, windy				
1	7.2	11.25	91.4	7.85	408.4	4.3							
2	7.2	11.26	91.5	7.84	408.4	4.5		Notes:					
3													
								Staff:	MN, MF				

Table B-4: Crescent Tailrace Vertical Profile Data

Crescent Tailrace

6/12/2020								Begin Time:	11:05	End Time:	11:11	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	23.1	7.81	90.1	7.91	385.7	4.5		Weather:	sunny, warm				
1	23.2	7.75	89.6	7.90	385.7	4.1							
2	23.2	7.76	89.6	7.90	385.6	4.0		Notes:	Logger installed at depth = 3 m				
3	23.2	7.73	89.2	7.88	385.5	3.9			Bottom depth = 6 meters				
4	23.1	7.61	88.0	7.87	385.3	3.7		Staff:	JG, BS				
5	23.1	7.57	87.4	7.86	385.2	3.7							
5.5	23.2	7.65	88.2	7.89	385.3	3.7							

Crescent Tailrace

6/25/2020								Begin Time:	9:24	End Time:	9:37	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	26.1	7.89	96.8	7.92	399.7	~~57.4~~		Weather:	Sunny, light breeze				
1	26.2	7.85	96.3	8.00	399.5	~~55.2~~							
2	26.2	7.80	95.8	8.00	398.7	~~53.5~~		Notes:					
3	26.2	7.79	95.5	7.90	399.0	~~56.2~~							
4	26.2	7.82	95.8	7.80	400.2	~~58.5~~		Staff:	MN, MF				
5	26.2	7.85	96.4	7.77	399.8	~~61.1~~							
5.5	26.2	7.76	95.0	7.77	399.4	~~58.7~~		QA:	Reject Turbidity - bad calibration. JPG				

Crescent Tailrace

7/2/2020								Begin Time:	9:50	End Time:	10:00	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	25.0	6.37	77.6	7.71	350.0	3.2		Weather:	Sunny, light breeze, ~75F				
1	24.9	6.31	75.8	7.66	350.1	3.4							
2	24.8	6.89	82.5	7.68	349.8	3.2		Notes:	No generation at Crescent, spilling				
3	24.8	6.96	83.5	7.64	349.7	3.3							
4	24.7	6.90	82.8	7.60	349.7	3.4							
5	24.7	6.74	80.8	7.58	350.0	3.7		Staff:	JG, MN, MF				
5.5	24.7	6.46	77.2	7.54	350.2	3.5							

Crescent Tailrace

7/9/2020								Begin Time:	8:59	End Time:	9:09	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	26.1	7.14	87.2	7.80	359.9	2.8		Weather:	Warm, humid, ~80F				
1	26.1	7.06	86.3	7.84	359.9	2.8							
2	26.0	6.88	83.9	7.80	360.0	2.8		Notes:					
3	26.0	6.77	82.7	7.73	360.0	2.8							
4	26.0	6.72	81.9	7.68	360.1	2.8		Staff:	MN, MF				
5	26.0	6.64	81.0	7.67	360.6	2.8							
5.5	26.0	6.58	80.2	7.66	362.1	2.9							

Crescent Tailrace

7/24/2020								Begin Time:	9:43	End Time:	10:00	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	26.8	8.69	107.1	7.95	402.8	3.1		Weather:	Sunny, light breeze				
1	26.9	8.83	109.7	8.17	403.2	3.2							
2	26.9	8.34	103.3	8.13	403.3	3.2		Notes:	Low generation, spill				
3	26.9	8.46	104.0	8.15	403.2	3.0							
4	26.9	8.52	105.2	8.19	403.3	3.0		Staff:	MN, MF				
5	26.9	7.98	97.4	8.11	403.4	2.9							
5.5	26.9	8.25	103.0	8.15	403.3	2.9							

Crescent Tailrace

8/4/2020								Begin Time:	13:28	End Time:	13:45	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	26.9	5.54	69.2	7.43	397.3	7.4		Weather:	Heavy rain				
1	26.9	5.54	69.1	7.41	397.4	7.6							
2	26.9	5.56	69.4	7.41	397.5	6.6		Notes:					
3	26.9	5.52	68.8	7.40	397.5	6.5							
4	26.9	5.53	69.1	7.40	397.5	6.2		Staff:	MN, MF, JG				
5	26.9	5.50	68.5	7.40	397.5	7.3							
5.5	26.9	5.43	67.7	7.39	397.5	6.3							

Crescent Tailrace

8/20/2020								Begin Time:	10:09	End Time:	10:18	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	24.8	6.26	74.5	7.41	362.4	6.4		Weather:	Sunny, 70F				
1	24.8	6.27	74.4	7.45	362.4	6.6							
2	24.8	6.27	74.6	7.46	362.1	6.0		Notes:					
3	24.8	6.30	74.9	7.48	362.2	6.1							
4	24.8	6.28	74.7	7.48	362.2	6.1		Staff:	MN, CD				
5	24.8	6.32	75.2	7.48	362.1	6.0							
5.5	24.8	6.33	75.3	7.49	362.0	6.0							

Crescent Tailrace

9/3/2020								Begin Time:	9:57	End Time:	10:18	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	22.7	6.59	76.1	7.60	337.8	8.0		Weather:	Overcast, ~70F				
1	22.8	6.56	75.7	7.59	337.7	8.1							
2	22.7	5.59	75.9	7.57	337.8	8.2		Notes:					
3	22.7	6.68	76.6	7.57	337.4	8.1							
4	22.7	6.58	76.0	7.58	337.5	8.3		Staff:	MN, MF				
5	22.7	6.52	75.2	7.58	337.5	7.9							
5.5	22.7	6.51	75.2	7.60	337.6	8.4							

Crescent Tailrace

9/18/2020								Begin Time:	10:00	End Time:	10:21	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	19.5	8.93	96.0	7.73	387.9	5.1		Weather:	Cool, light breeze, partly sunny				
1	19.6	8.83	95.3	7.84	388.2	5.1							
2	19.6	8.76	94.5	7.89	388.2	5.2		Notes:					
3	19.6	8.68	93.5	7.90	388.2	5.7							
4	19.6	8.64	93.2	7.90	388.1	5.5		Staff:	MN, MF				
5	19.6	8.62	92.8	7.90	388.1	5.6							
5.5	19.6	8.74	94.1	7.91	388.2	5.4							

Crescent Tailrace

10/2/2020								Begin Time:	8:30	End Time:	8:47	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	19.1	7.76	83.1	7.58	373.1	6.1		Weather:	Rain, cloudy, no wind				
1	19.1	7.70	82.3	7.69	373.2	6.0							
2	19.1	7.67	82.0	7.75	373.3	6.2		Notes:					
3	19.1	7.66	81.9	7.75	373.4	6.3							
4	19.1	7.65	81.8	7.75	373.2	6.3		Staff:	MN, MF				
5	19.1	7.63	81.6	7.75	373.3	6.2							
6	19.1	7.61	81.3	7.73	373.1	6.4							

Crescent Tailrace

10/12/2020								Begin Time:	9:44	End Time:	10:10	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	15.7	8.37	82.7	7.47	355.7	3.9		Weather:	Cloudy, cool				
1	15.7	8.29	81.8	7.63	355.8	3.9							
2	15.7	8.52	83.8	7.63	355.4	3.7		Notes:					
3	15.7	8.32	82.2	7.62	355.7	3.7							
4	15.7	8.38	82.6	7.62	355.6	3.9		Staff:	MN, MF				
5	15.7	8.35	82.4	7.63	355.7	3.8							
5.5	15.7	8.42	83.2	7.63	355.6	3.7							

Crescent Tailrace

11/4/2020								Begin Time:	12:53	End Time:	13:11	Meter:	YSI PRODSS
Depth (m)	Temp (°C)	DO (mg/L)	DO (% Sat)	pH	Conductivity	Turbidity (FNU)	Notes						
0.1	7.2	11.18	90.6	7.80	409.6	3.7		Weather:	Sunny, windy, cool				
1	7.2	11.16	90.4	7.75	409.7	3.6							
2	7.2	11.16	90.5	7.72	409.6	3.6		Notes:					
3	7.2	11.16	90.5	7.71	409.6	3.5							
4	7.2	11.17	90.6	7.70	409.6	3.9		Staff:	MN, MF				
5	7.2	11.15	90.4	7.70	409.5	3.6							
5.5	7.2	11.14	90.3	7.71	409.6	3.4							

Appendix B Fish Entrainment Study Plan Report

Appendix B Fish Entrainment Study Plan Report

FISH ENTRAINMENT STUDY

Prepared by: Gomez and Sullivan Engineers

February 2021

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CRESCENT AND VISCHER FERRY PROJECTS RELICENSING

FERC No. 4678 and 4679






NEW YORK STATE OF OPPORTUNITY. | NY Power Authority

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List of Abbreviations

ADCP	Acoustic Doppler Current Profiler
C	Celsius
cfs	cubic feet per second
CPUE	Catch per Unit Effort
DO	dissolved oxygen
DOE	Department of Energy
EAV	Emergent Aquatic Vegetation
El.	Elevation
EPRI	Electric Power Research Institute
FERC	Federal Energy Regulatory Commission
fps	feet per second
ft	feet
ft^2	square feet
ILP	Integrated Licensing Process
L/sec	Body lengths per second
mm	millimeter
NOI	Notice of Intent
NY	New York
NYSCC	New York State Canal Corporation
NYSDEC	New York State Department of Environmental Conservation
NYSDOT	New York State Department of Transportation
PAD	Preliminary Application Document
Power Authority	New York Power Authority
PSP	Proposed Study Plan
rpm	revolutions per minute
RSP	Revised Study Plan
SAV	Submerged Aquatic Vegetation
SD1	Scoping Document #1
SD2	Scoping Document #2
SPD	Study Plan Determination
SUNY	State University of New York
the Commission	Federal Energy Regulatory Commission

1 Introduction

1.1 Background

The Power Authority of the State of New York (the Power Authority) is licensed by the Federal Energy Regulatory Commission (FERC or the Commission) to operate the Crescent and Vischer Ferry Hydroelectric Projects (FERC Nos. 4678 and 4679) (Projects) located on the Mohawk River in New York. The Power Authority is relicensing the Projects under the Commission's Integrated Licensing Process (ILP) as outlined in 18 C.F.R. Part 5.

In accordance with 18 C.F.R. §§ 5.5 and 5.6, the Power Authority filed its Notice of Intent (NOI) and Pre-Application Document (PAD) on May 3, 2019, which included the Power Authority's preliminary issues and studies list for the Projects. The FERC issued its Scoping Document 1 (SD1) on June 10, 2019 and held public scoping meetings on July 10-11, 2019 in Clifton Park, New York, where potential issues were identified by agencies, stakeholders, and the public.

Subsequently, the Power Authority received comments on the PAD and requests for additional studies. The Power Authority reviewed these comments and study requests and developed a Proposed Study Plan (PSP), which was filed with the FERC on September 23, 2019. The Power Authority held a meeting to discuss the PSP on October 23, 2019. Written comments on the PSP were received through December 23, 2019.

The Power Authority then developed its Revised Study Plan (RSP), which was filed with FERC on January 21, 2020. On February 20, 2020, FERC issued its Study Plan Determination (SPD), which approved the Power Authority's Fish Entrainment Study with a recommended modification that, at a minimum, the Fish Entrainment Study assess the impingement, entrainment, and turbine survival of the following five target species: (1) American Eel, (2) Blueback Herring, (3) Smallmouth Bass, (4) Walleye, and (5) Yellow Perch. This report presents the results of the Fish Entrainment Study for the Crescent and Vischer Ferry Projects.

2 Study Goals and Objectives

The primary goals and objectives of this study were to provide a literature-based assessment of the potential for fish entrainment and impingement at the Projects, and to use existing databases, tools, and models to evaluate potential turbine survival rates for representative resident and migratory fish species/life stages at the Projects. The study objectives were to:

- Provide a description of physical characteristics of the Projects, including the intake location and dimensions, trashrack spacing, and depths and velocities near each intake structure;
- Conduct a literature review for species of interest relative to physiology, behavior, life history, and habitat preferences in the context of entrainment, impingement, and survival;
- Assess the potential for entrainment and impingement; and
- Estimate turbine passage survival rates for target gamefish species.

3 Description of the Projects

3.1 Overview

3.1.1 Project Location

The Crescent and Vischer Ferry Projects are located on the Mohawk River in New York at river miles 4 and 14, respectively (Figure 3.1.1-1). Crescent Dam is located two miles upstream of the School Street Hydroelectric Project (FERC No. 2539) owned by Erie Boulevard Hydropower, L.P. Other downstream projects include the New York State Dam, and FERC-exempt Mohawk Paper Mills Project.

The Crescent impoundment is approximately 10 miles long and the upstream terminus of the impoundment is located at the Vischer Ferry Project Dam. The Vischer Ferry impoundment is 10.3 miles long and the upstream terminus of the impoundment is located at Lock E-8 in Schenectady.

3.1.2 Project Description

Crescent Project

The Crescent Project generally consists of a dam, powerhouse, impoundment, and appurtenant facilities. The Crescent Dam consists of two independent concrete gravity overflow sections which link each riverbank to a rock island in the middle of the Mohawk River (Figure 3.1.2-1). Both sections are curved in plan and have a crest at elevation (El.) 184 Barge Canal Datum (BCD).

In order to aid canal navigation, one-foot-high (12 inch) wooden flashboards are installed along the crests of both spillways (Dams A and B) seasonally in Spring (generally in April based on seasonal conditions) and removed in the Fall (generally in November based on seasonal conditions). When the flashboards are installed, the spillway crest is El. 185 ft. BCD. The Crescent impoundment extends upstream approximately 10 miles to the Vischer Ferry Project Dam. At El. 184 ft. BCD, the surface area of the impoundment is 2,000 acres and impounds approximately 50,000 acre-feet of water. Installation of the flashboards increases the normal full pool elevation and the impoundment retains an additional 2,000 acre-feet of water.

The Crescent powerhouse is located on the western bank and houses four turbine/generator units: two 2.8 MW Francis turbines and two 3.0 MW vertical Kaplan turbines. Turbine specifications for the Crescent Project are shown in Table 3.1.2-1. The original portion of the powerhouse contains the two original Francis units (Units 1 and 2). The two newer Kaplan units (Units 3 and 4) are located riverward of the original powerhouse. Water is directed to the powerhouse through a 175-foot-long headrace channel. The bottom of the headrace channel is cut rock, and the sides are formed by two mass concrete retaining walls. The channel is rectangular in plan and is approximately 123 feet wide at the powerhouse. The elevation of the channel bottom varies from El. 171 ft. BCD at the upstream end of the headrace to El.161 ft. BCD at the powerhouse (i.e., forebay depths range from 14-24 feet).

The powerhouse includes an intake structure with trashracks, rake, stoplogs, and gates. The intake area contains two sections, one that draws water to the Kaplan units and another that draws water to the older Francis units. There is a 6-foot-wide concrete pier between the intake sections. The intake section leading to the Francis units has four 15-foot-wide openings separated by three 4-foot-wide piers. The intake section leading to the Francis units is hereafter referred to as the Francis intake section. The intake section for the Kaplan units has four 12-foot-wide openings separated by an 18-foot-wide concrete pier in the center (14-foot concrete block with two-foot rounded supports on each side), and two 4-foot-wide piers separating the

outer sections. The intake section leading to the Kaplan units is hereafter referred to as the Kaplan intake section.

Vertically, the trashracks span the entire water column and rise roughly 3.5 feet above the water surface when the flashboards are installed, and are made up of three sections that span 30 ft. Two 1.75-foot-tall concrete supports span the length of the trashracks horizontally along both sections (Figure 3.1.2-2). The trashrack bar spacing width is 3-7/8 inches. Intake and impoundment specifications are shown in Table 3.1.2-2.

Vischer Ferry Project

The Vischer Ferry Project generally consists of a dam, powerhouse, impoundment, and appurtenant facilities. The Vischer Ferry Dam consists of three connected spillway sections (Figure 3.1.2-3). The two outer sections (Dams D and F) are regular, ungated, ogee-shaped weirs with an average structural height of approximately 30 ft. above rock. The middle section (Dam E) is a broad-crested weir constructed over a small bedrock island near the center of the river. Lock E-7 is located at Vischer Ferry Dam on the right bank, which is on the opposite side of the river from the Vischer Ferry powerhouse.

To aid canal navigation, flashboards are installed along the crests of all spillways seasonally from Spring (generally in April based on seasonal conditions) to the end of navigation season (generally in November based on seasonal conditions). The flashboards are 27 inches high and when the flashboards are installed the full-pond impoundment elevation is 213.25 ft. BCD. The spillway crest elevation is 211.0 ft. when flashboards are removed. The Vischer Ferry impoundment is 10.3 miles long and the upstream terminus of the impoundment is located at Lock E-8 in Schenectady. At El. 211 ft. BCD, the surface area of the impoundment is 1,050 acres and impounds approximately 25,000 acre-feet of water. Installation of the flashboards raises the normal full pool to El. 213.25 ft. BCD, and the impoundment retains an additional 2,400 acre-feet of water.

The Vischer Ferry Project powerhouse is located at the northern end of the dam and houses four turbine/generator units: two 2.8-MW Francis turbines and two 3.0 MW vertical shaft Kaplan turbines (identical units as at the Crescent Project). Turbine specifications for the Vischer Ferry Project are shown in Table 3.1.2-3. The original portion of the powerhouse contains the two original Francis units (Units 1 and 2). The two newer Kaplan units (Units 3 and 4) are located riverward of the original powerhouse. The turbines discharge water into the tailrace, the elevation of which is controlled by the Crescent impoundment level.

Water is directed to the powerhouse through an irregularly shaped headrace channel. The headrace channel width is approximately 145 ft. at the upstream end but increases to about 180 ft. wide at the entrance to the powerhouse. The headrace channel is divided by a concrete abutment/wall. The riverbed in the headrace channel that leads to the Kaplan units is relatively uniform, with vertical walls and a consistent bed elevation of 189 ft. BCD. The riverbed in the headrace channel that leads to the Francis units has a steep sloping bedrock bank along the shore, and depths that descend to a bed elevation of approximately 189 ft BCD along the center headrace abutment/wall.

The intake configuration at Vischer Ferry mirrors the intake setup at the Crescent Project, with the same intake and turbine configurations, but on the opposite side of the river. Similarly, the intake consists of two distinct sections that are referred to as the Francis and Kaplan intake sections (Figure 3.1.2-4). Intake and impoundment specifications for the Vischer Ferry Project are shown in Table 3.1.2-4.

3.1.3 Project Operations

The Crescent and Vischer Ferry Projects are both operated on a run-of-river basis. The original purpose of the Crescent and Vischer Ferry Dams was to impound water to support navigation on the New York State Barge Canal (Barge Canal); this remains true today as navigation and Barge Canal operations take priority over the operation of the Projects. During unusual conditions or emergencies associated with the system, public safety is always the first priority. Thus, both Projects operate in coordination with the New York State Canal Corporation (Canal Corporation) who operates the Barge Canal. Unless emergency conditions exist, the Projects operate in run-of-river mode with fluctuations (allowable six inches or less[1]) allowed at Canal Corporation's direction, and as permitted by the existing FERC licenses, to aid navigation, to facilitate flashboard installation and removal, and for canal maintenance or safety.

The Power Authority operates the Projects such that the newer (Kaplan) turbines are the first units online. These units are run to a maximum of 3,875 KW or 95% gate. When both Kaplan units are in service and another is needed, one of the older (Francis) units is brought online at full load (3,100 KW or 90% gate) and the remaining load is balanced between the Kaplan units to maintain river elevation. As flow rises, output to the Kaplan units is increased until the second Francis unit is needed and place in service at full load. The remaining load is balanced between the Kaplan units to maintain river elevation. As the flow rises, output of Kaplan units is increased until all four units are at maximum output with the remaining flow passed at the Project dams.

Based on prorated flows from the Freeman's Bridge United States Geological Survey (USGS) gage on the Mohawk River (Gage No. 01354500), the Projects would generate over 95% of the time annually at a variety of flow rates (Figure 3.1.3-1). The median available flow for generation during the time period analyzed (i.e., August 6, 2011 through May 30, 2020) was approximately 4,000 cfs, which is roughly 60% of the total hydraulic capacity of the Projects. Inflow exceeds the hydraulic capacity (including minimum and fish passage flows) at the Projects roughly 30% of the time, and excess water would be passed as spill over the dams, with spill occurring most frequently in March, April and December.

The amount of generation flow varies seasonally (Figure 3.1.3-1 through Figure 3.1.3-13). Though maximum generation flows can have occurred during any month, they are most common during December (Figure 3.1.3-13) and the spring runoff periods, typically in March and April (Figure 3.1.3-4 and Figure 3.1.3-5). Periods without generation occur very infrequently, are typically at the Vischer Ferry Project, and have occurred in June, July, September and October and are more common in September (Figure 3.1.3-7, Figure 3.1.3-8, Figure 3.1.3-10, and Figure 3.1.3-11). Generation during low to moderate flow periods is typically less than maximum generation.

Crescent

Crescent Project operations are performed in a manner to maintain the normal full pool elevation of the impoundment. Flow through the Project is through the powerhouse or over the dam. During the non-navigation season, a minimum flow of 100 cubic feet per second (cfs) (or inflow, whichever is less) is required to be passed at the Crescent Dam. In accordance with a July 31, 2007 FERC order, the minimum

[1] Allowable fluctuation is defined by FERC's Order Amending Article 41 (November 17, 2000) states "In some instances, the project shall be operated to maintain the reservoir surface elevation in the range from the top of the dam (or top of the flashboards during the navigation season) to a level 6 inches below the top of the dam (top of the flashboards during the navigation season). This 6 inch fluctuation shall not be used for regular ponding operations. It shall be used only in the event of curtailment of inflows due to operations of the upstream Barge Canal."

flow during Barge Canal navigation season is increased to 250 cfs and is passed through a notch in the Dam A flashboards. These minimum flows are for fish protection measures. Once minimum flows and any diversions required for Barge Canal operations are met, the remaining flow is available for power generation. Available flows are prioritized through the Kaplan units, and as flows rise, the Francis units are brought online.

The Dam A and B sections of the Crescent Dam utilize 1-foot-high flashboards that are installed seasonally to help maintain the normal pool level in the Barge Canal upstream of Lock E-6. The dam crest elevation is 184.0 ft. BCD. Per the Power Authority's Water Management Plan, when the flashboards are installed, the normal operating range of the Crescent impoundment ranges 0.3 feet between elevations 184.6 and 184.9 ft, BCD, with a target elevation of 184.8 BCD.

Vischer Ferry

Vischer Ferry Project operations are performed in a manner to maintain the normal full pool elevation of the impoundment. Flow through the Project is through the powerhouse or over the dam. A minimum flow of 200 cfs (or inflow, whichever is less) is required to be passed at the Vischer Ferry Dam. Once Project minimum flows and any diversion required for Barge Canal operations are met, the remaining flow is available for power generation. Available flows are prioritized through the Kaplan units, and as flows rise, the Francis units are brought online.

Flashboards are installed along the spillway crests of the Vischer Ferry Dam seasonally for the navigation season. The dam crest elevation is 211.0 ft. BCD and the flashboards are 27 inches high. Per the Power Authority's Water Management plan, when the flashboards are installed the elevation of the spillway is El. 213.25 ft. BCD and the normal operating range of the Vischer Ferry impoundment ranges 0.3 feet between elevations 212.8 and 213.1 ft, BCD, with a target elevation of 213.0 BCD.

An 8-foot wide section of the flashboards on Dam F are removed during navigation season to provide fish passage flow. At water surface elevation of 213.0 ft. BCD, this gap, plus leakage, accounts for approximately 661 cfs of flow over the dam (as specified in the Power Authority's Water Management plan).

3.1.4 Current Downstream Fish Passage Protections

There are multiple routes for downstream fish passage at the Crescent (Figure 3.1.4-1) and Vischer Ferry (Figure 3.1.4-2) Projects. At both Projects, fish can pass through the dedicated notches in the flashboards, over the dams (flashboards) during high-flow conditions, or pass via the Barge Canal locks to downstream areas. Downstream passage at both Projects is also greatly enhanced through the operation of acoustic deterrent systems that are meant to repel Blueback Herring away from the Project intakes and guide them to alternate downstream passage routes.

Crescent

Approximately 250 cfs is passed downstream through a notched section of flashboards in Dam A during navigation season. Leakage under the flashboards, flow through the sluicegate, flow through the taintor gate, or flow through the units cannot be credited towards the minimum flow during navigation season. When the Crescent impoundment is at an elevation of 185.0, flashboard leakage is approximately 259 cfs.

In addition to the minimum flows passed over the dam at Crescent, there is an acoustic deterrent system in place to divert Blueback Herring away from the powerhouse. The current acoustic deterrent system at

Crescent was installed in 2008 and is comprised of ultrasonic projectors configured to guide out-migrating Blueback Herring away from the side channel leading to the powerhouse. Previously, the system had been located within the forebay. The system consists of eight integrated sound projectors emitting frequencies between 122-128 kilohertz (Power Authority, 2019).

Vischer Ferry

The Licensee provides two separate flashboard openings on the Vischer Ferry Dam for downstream fish passage; one operated to enhance the passage of adult Blueback Herring and the other is designed to enhance passage of juvenile Blueback Herring. The flashboard opening to accommodate migrating adults is open from May through July, while the flashboard opening to accommodate juveniles is open from mid-August through November (Figure 3.1.4-2). The acoustic deterrent system at the Vischer Ferry Project was installed in 2000.

Table 3.1.2-1: Crescent Project Turbine Specifications

Parameter	Crescent Project	
	Units 1 and 2	Units 3 and 4
Turbine Type	Vertical Francis	Vertical Kaplan
Number of blades	15	5
Max turbine discharge (cfs)	1,500	1,820
Efficiency at max discharge	84.7%	90.1%
Min turbine discharge (cfs)	400	350
Runner diameter (ft)	7.18	9.02
RPM	90	144
Maximum head (ft)	27.9	27.9
Diameter of Runner at Inlet (ft)	7.18	NA
Diameter of Runner at Discharge (ft)	10.97	NA
Runner height at Inlet (ft)	4.29	NA

Table 3.1.2-2: Crescent Project Intake and Impoundment

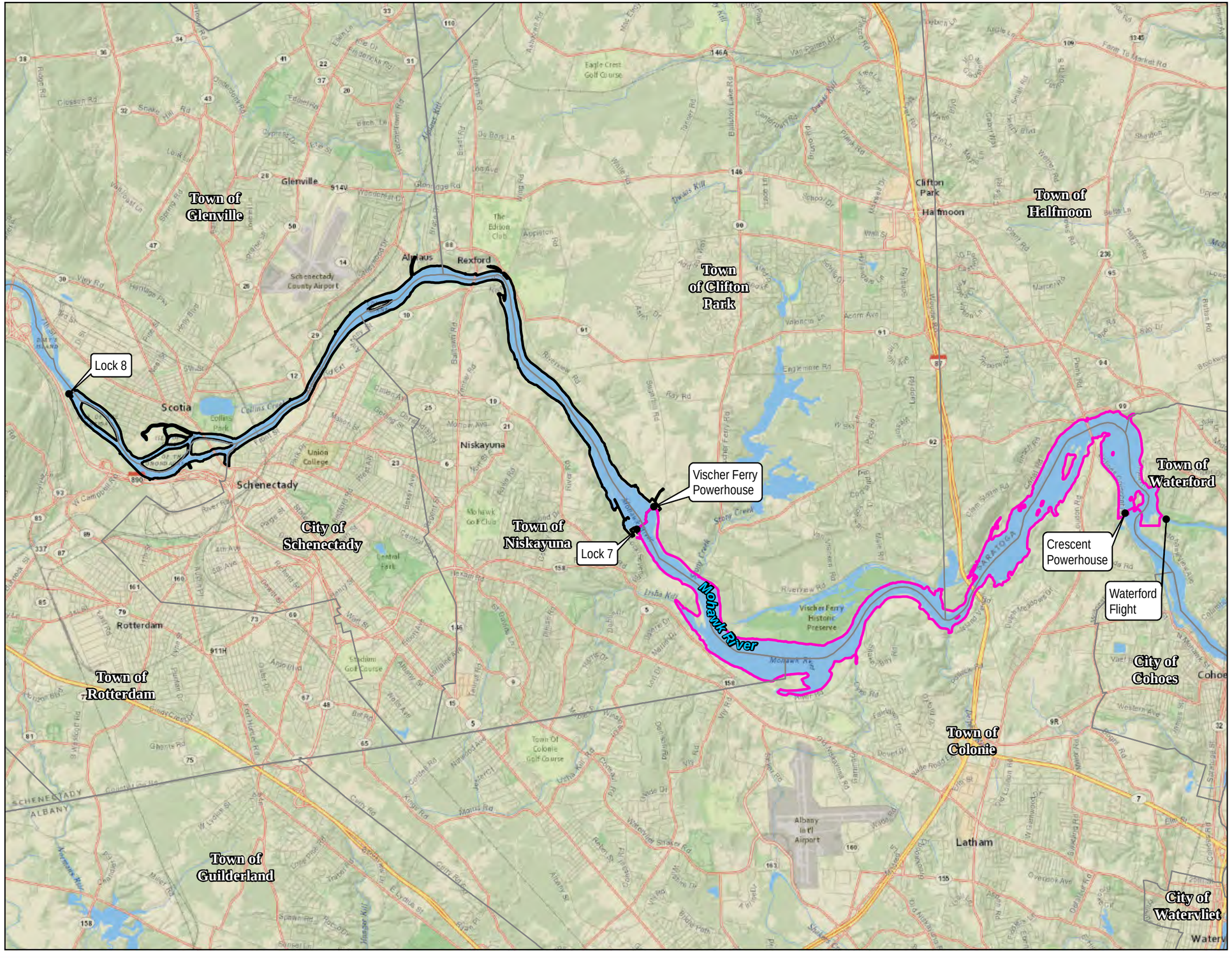
Parameter	Crescent Project
Dam Crest Elevation (El, ft. BCD)	184.0
Flashboard height	12 inches
Normal Operating level without flashboards (El, ft. BCD)	183.9-183.6
Normal Operating level with flashboards (El, ft. BCD)	184.9-184.6
Trash Sluice Maximum Discharge at water surface elevation of 185 ft.	407 cfs
Max Plant Capacity all turbines	6,640 cfs
Francis Section Capacity	3,000 cfs
Kaplan Section Capacity	3,640 cfs
Trashrack Spacing	3-7/8”
Gross Area of Trashracks including piers and abutments, at El. 185.0	3,990 ft^2
Gross Area of Trashrack minus piers and abutments, at El. 185.0	2,405 ft^2

Table 3.1.2-3: Vischer Ferry Project Turbine Specifications

Parameter	Vischer Ferry Project	
	Units 1 and 2	Units 3 and 4
Turbine Type	Vertical Francis	Vertical Kaplan
Number of blades	15	5
Max turbine discharge (cfs)	1,500	1,820
Efficiency at max discharge	84.7%	90.1%
Min turbine discharge (cfs)	400	350
Runner diameter (ft)	7.18	9.02
RPM	90	144
Maximum head (ft)	26.5	27.0
Diameter of Runner at Inlet (ft)	7.18	NA
Diameter of Runner at Discharge (ft)	10.97	NA
Runner height at Inlet (ft)	4.29	NA

Table 3.1.2-4: Vischer Ferry Project Intake and Impoundment

Parameter	Vischer Ferry Project
Dam Crest Elevation (El, ft. BCD)	211.0
Flashboard height	27 inches
Normal Operating level without flashboards (El, ft. BCD)	210.9-210.6
Normal Operating level with flashboards (El, ft. BCD)	213.1-212.8
Trash Sluice Maximum Discharge at water surface elevation of 213 ft.	654 cfs
Max Plant Capacity all Turbines	6,640 cfs
Francis Turbines Capacity	3,000 cfs
Kaplan Turbines Capacity	3,640 cfs
Trashrack Spacing	3-7/8”
Gross Area of Trashracks including piers and abutments	4,101 ft^2
Gross Area of Trashrack minus piers and abutments, at El. 213.25	2,545 ft^2





Crescent and Vischer Ferry
Projects Relicensing
FERC No. P-4678 and P-4679

Figure 3.1.1-1:
Crescent and Vischer Ferry
Projects Location

Legend

- Crescent Project Boundary
- Vischer Ferry Project Boundary

N

Service Layer Credits: National Geographic, Esri, Garmin, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P Corp.

0 0.5 1 2 Miles

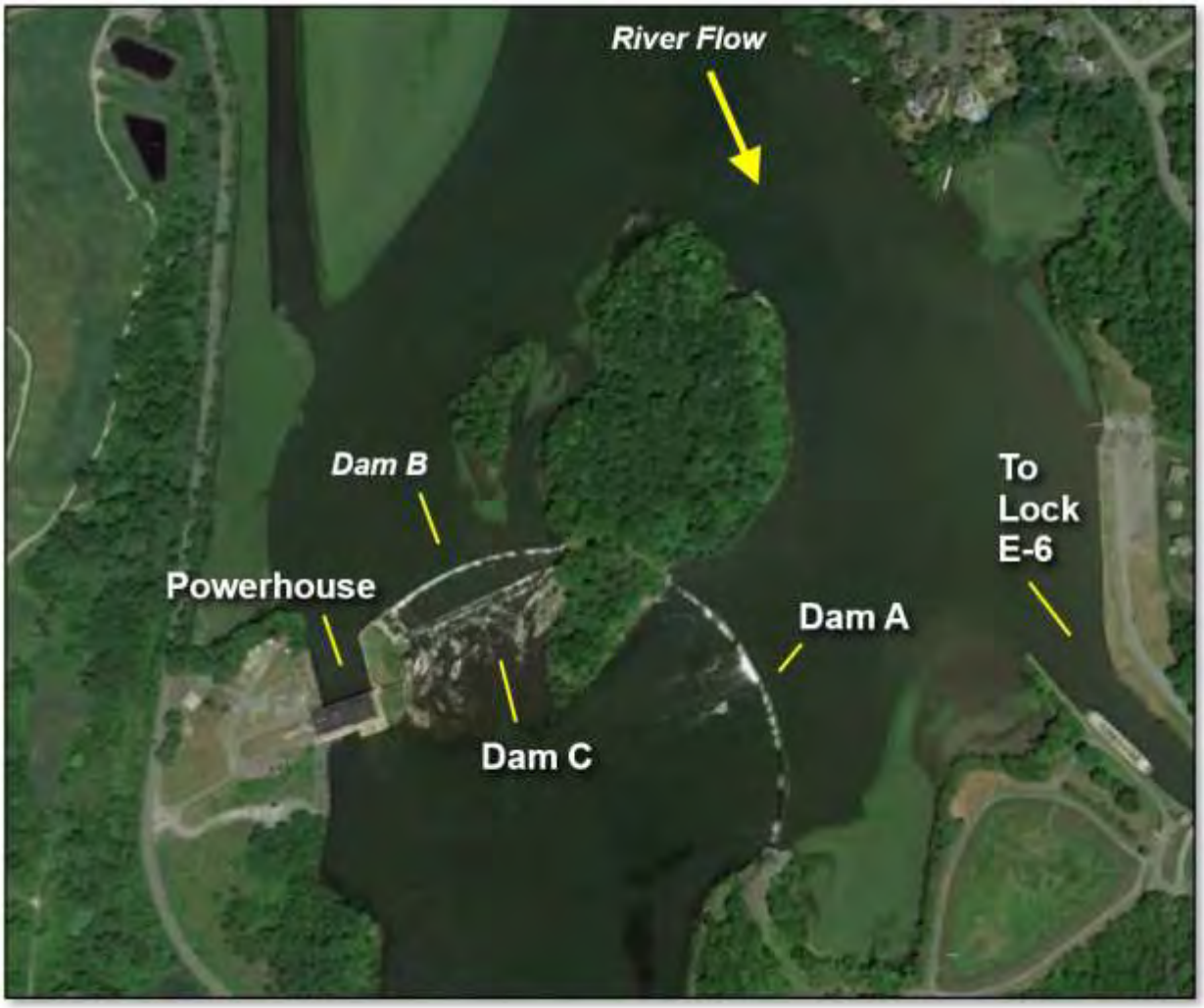
1 inch = 1.25 miles

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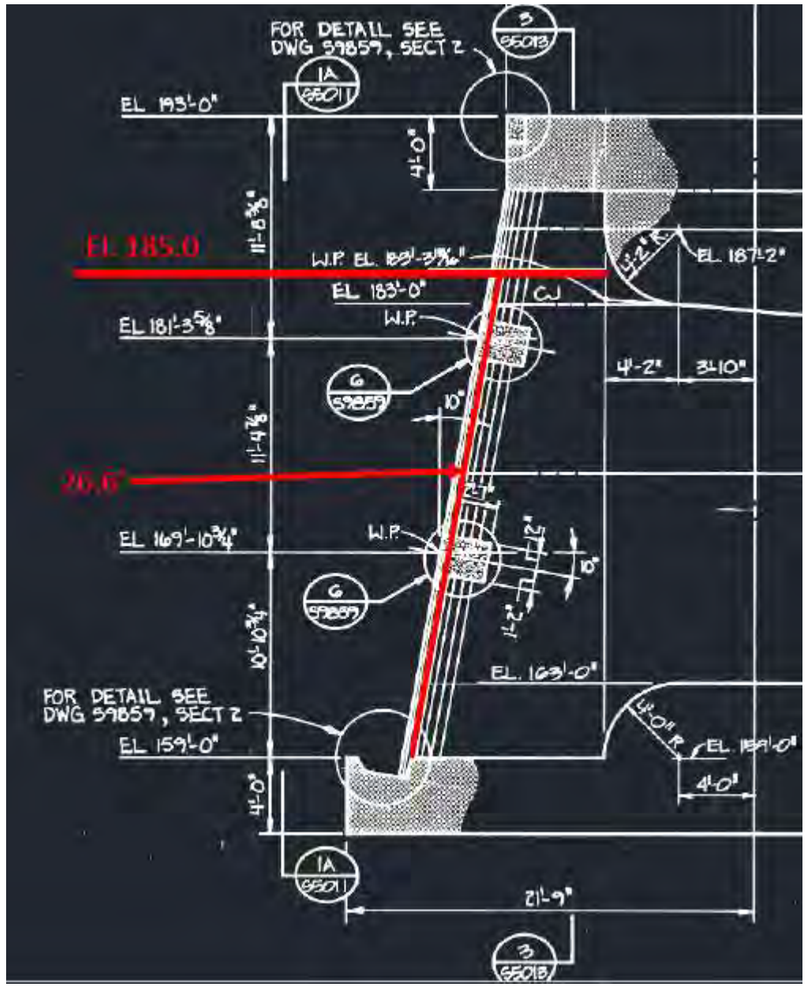
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Figure 3.1.2-1: Major Project Facilities of the Crescent Project



Source: PAD.

Figure 3.1.2-2: Crescent Intake Drawings (Gross Area)



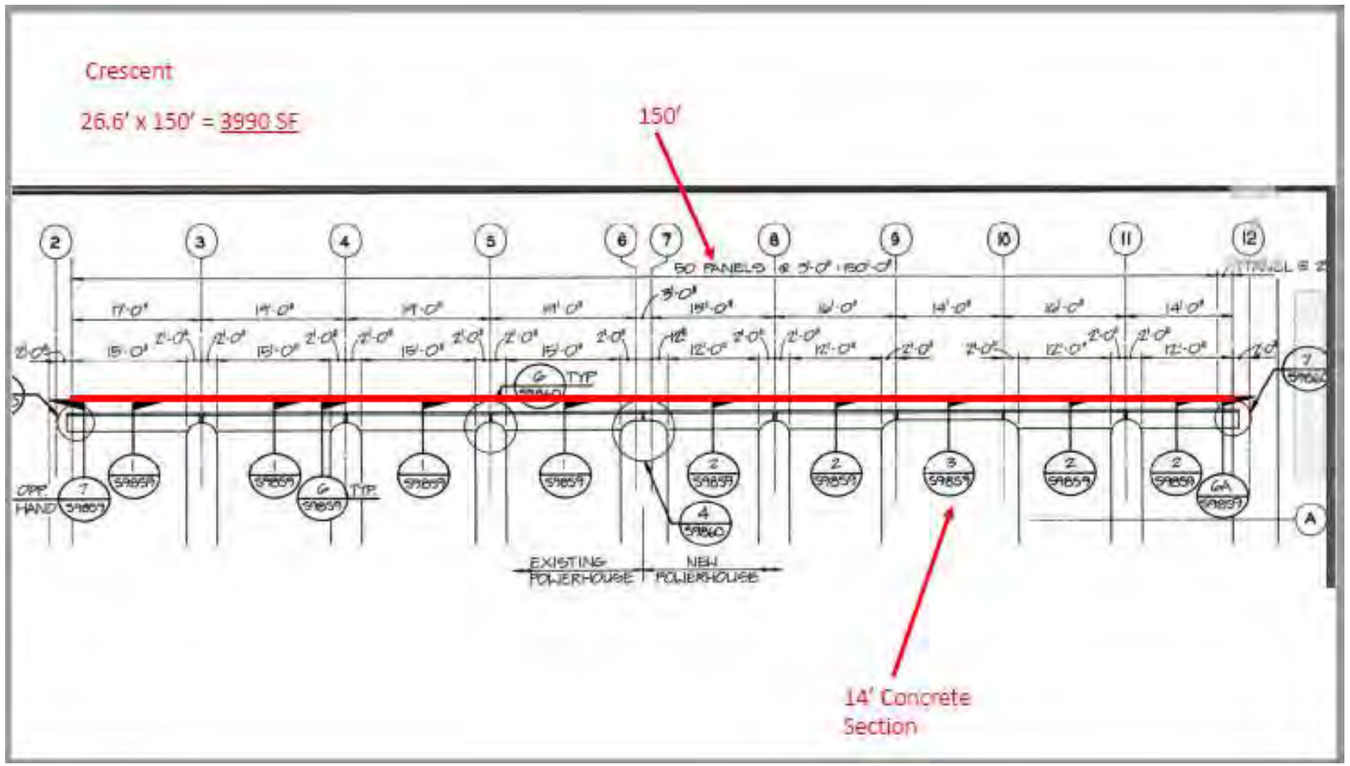
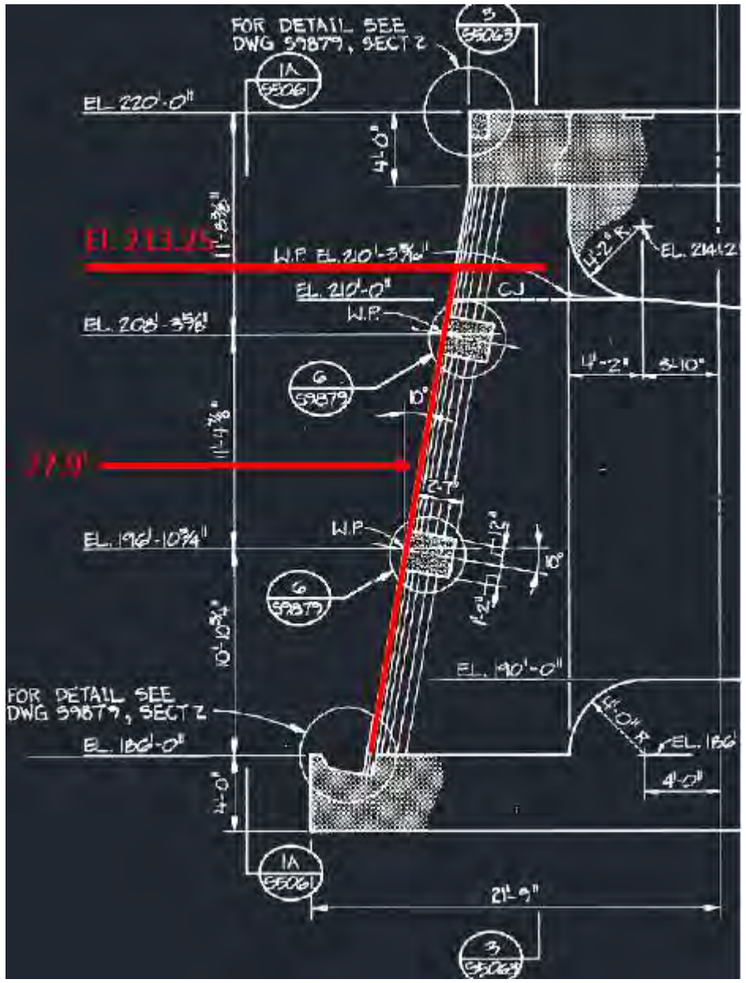


Figure 3.1.2-3: Major Project Facilities of the Vischer Ferry Project



Source: PAD.

Figure 3.1.2-4: Vischer Ferry Intake Drawings (Gross Area)



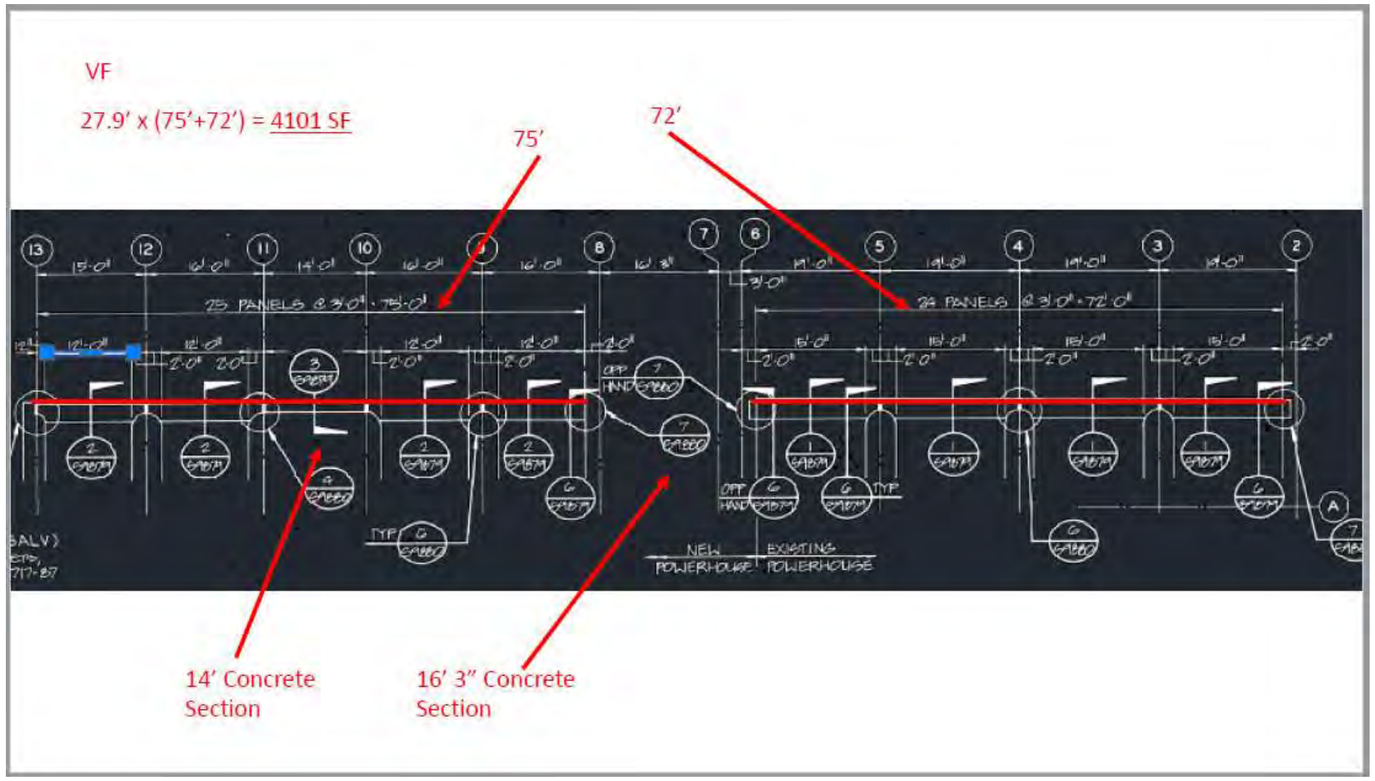
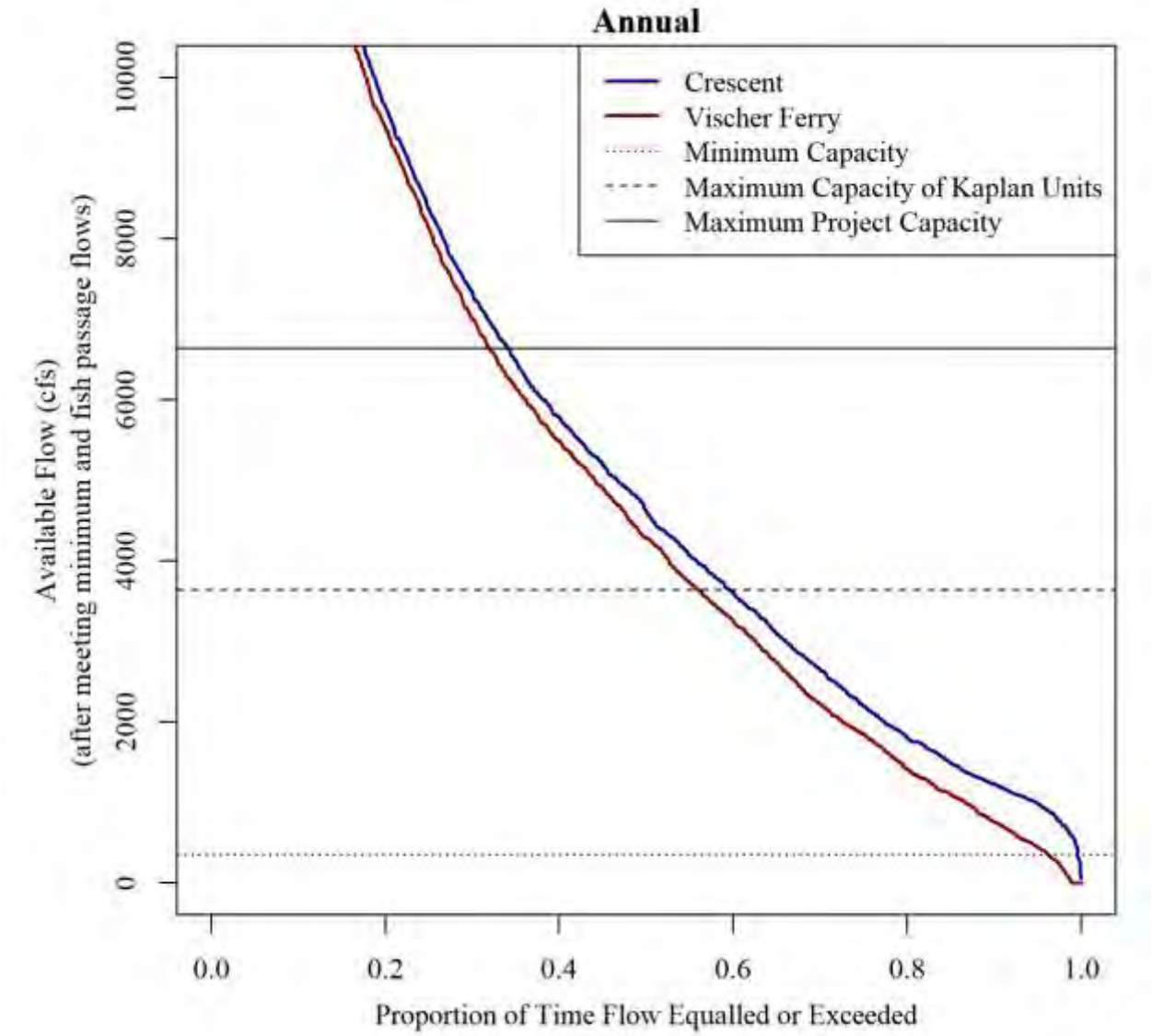
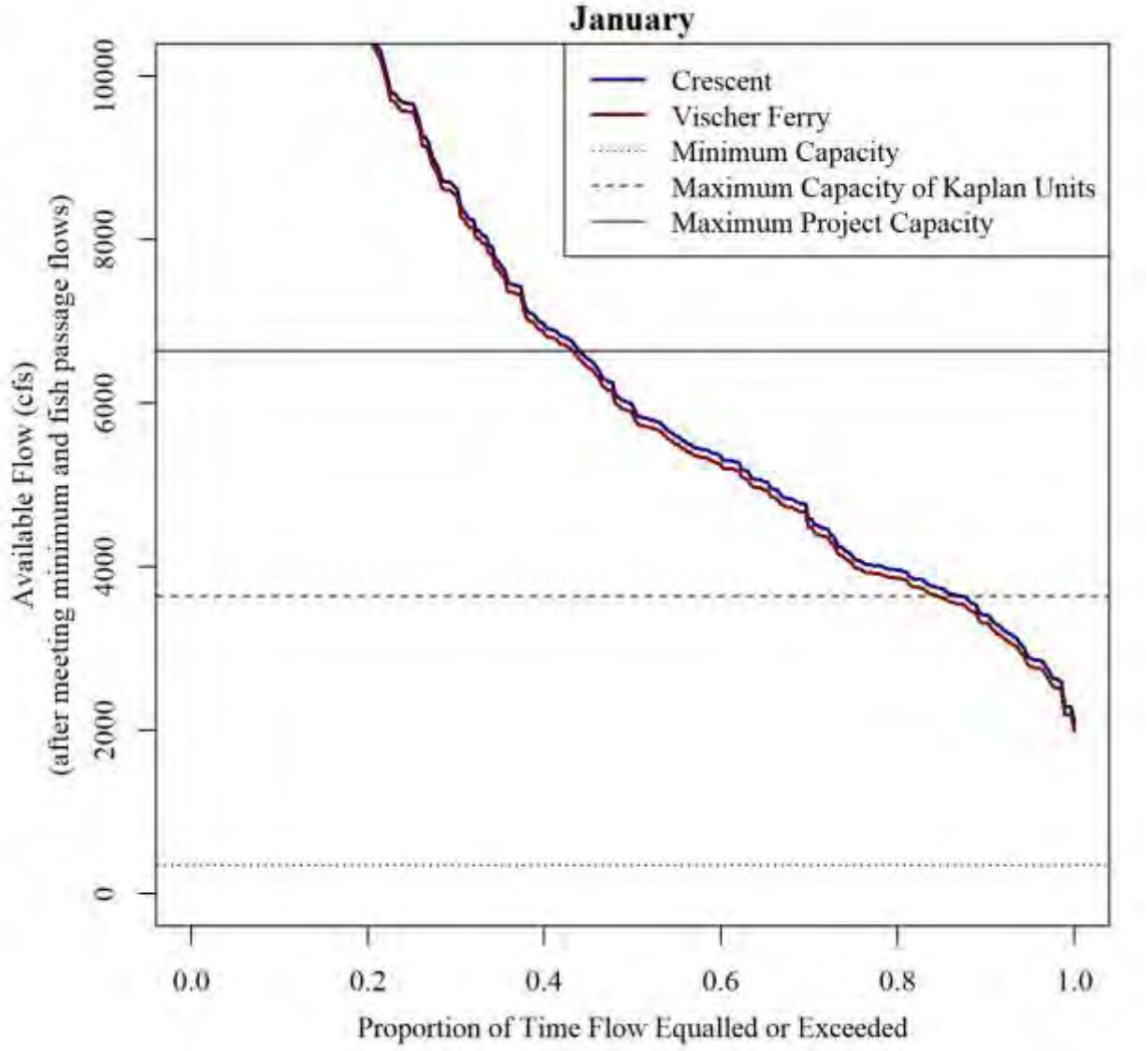


Figure 3.1.3-1: Annual Flow Duration Curve for the Crescent and Vischer Ferry Projects



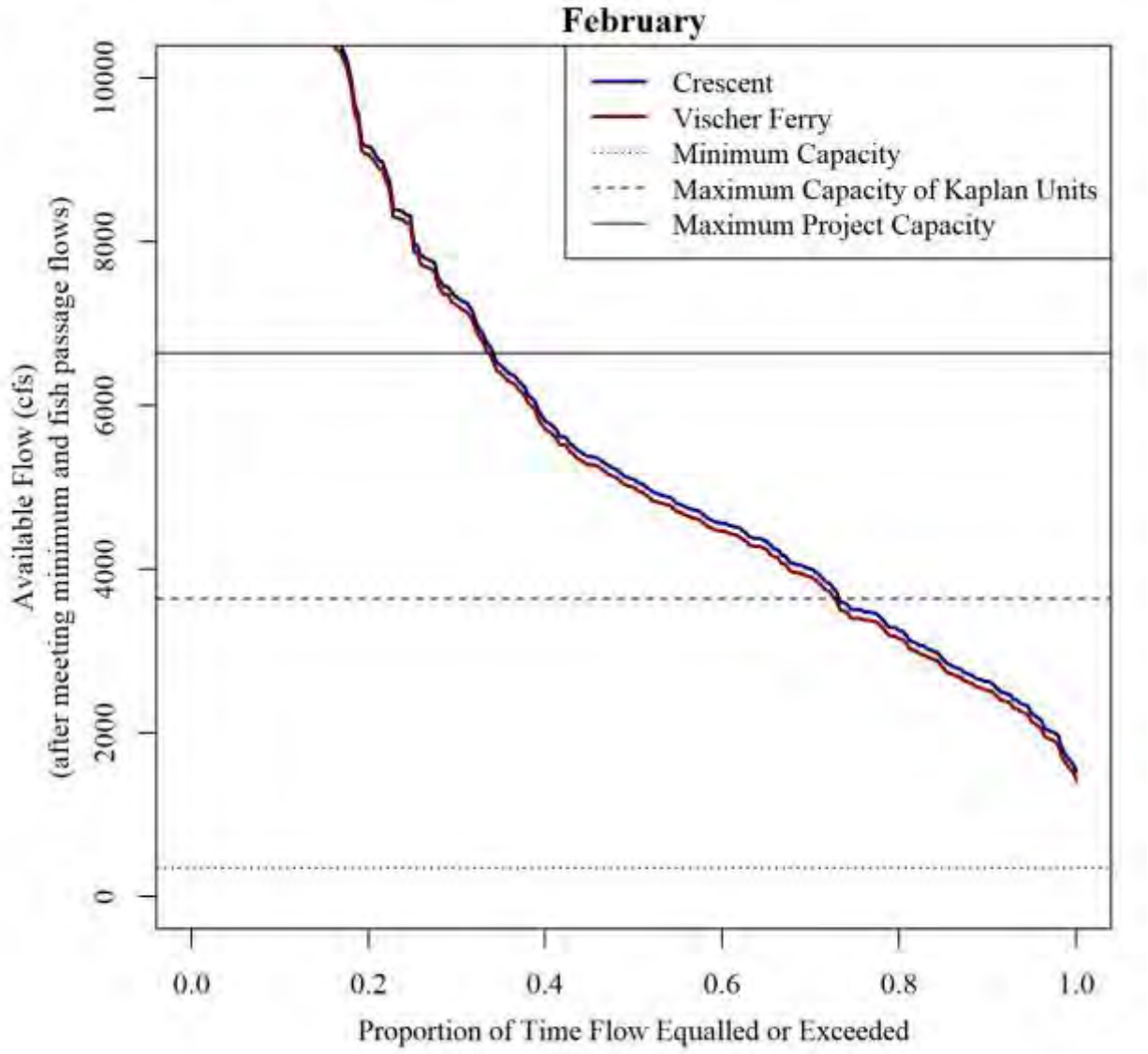
Note: Flow duration curves were derived from daily data from the Schenectady USGS Gage (Gage No. 1354500), from August 6, 2011 through May 30, 2020. Available flow was calculated by subtracting minimum flows and fish passage flows from the total daily flow at each Project. Flow needed for operating the lock system was not subtracted, and the actual flows used for generation may have been lower than shown.

Figure 3.1.3-2: January Flow Duration Curves for the Crescent and Vischer Ferry Projects



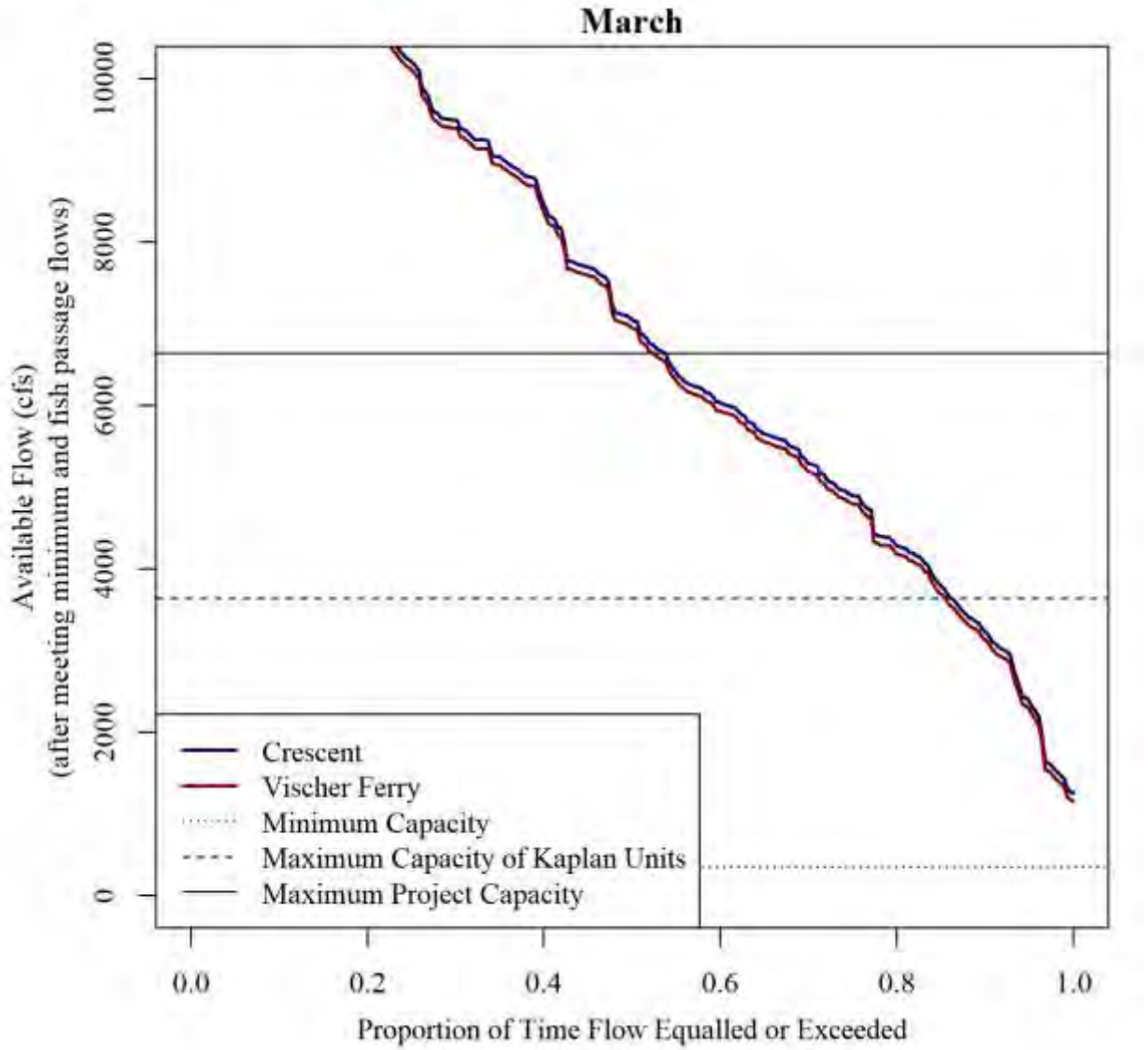
Note: Flow duration curves were derived from daily data from the Schenectady USGS Gage (Gage No. 1354500), from August 6, 2011 through May 30, 2020. Available flow was calculated by subtracting minimum flows and fish passage flows from the total daily flow at each Project. Flow needed for operating the lock system was not subtracted, and the actual flows used for generation may have been lower than shown.

Figure 3.1.3-3: February Flow Duration Curves for the Crescent and Vischer Ferry Projects



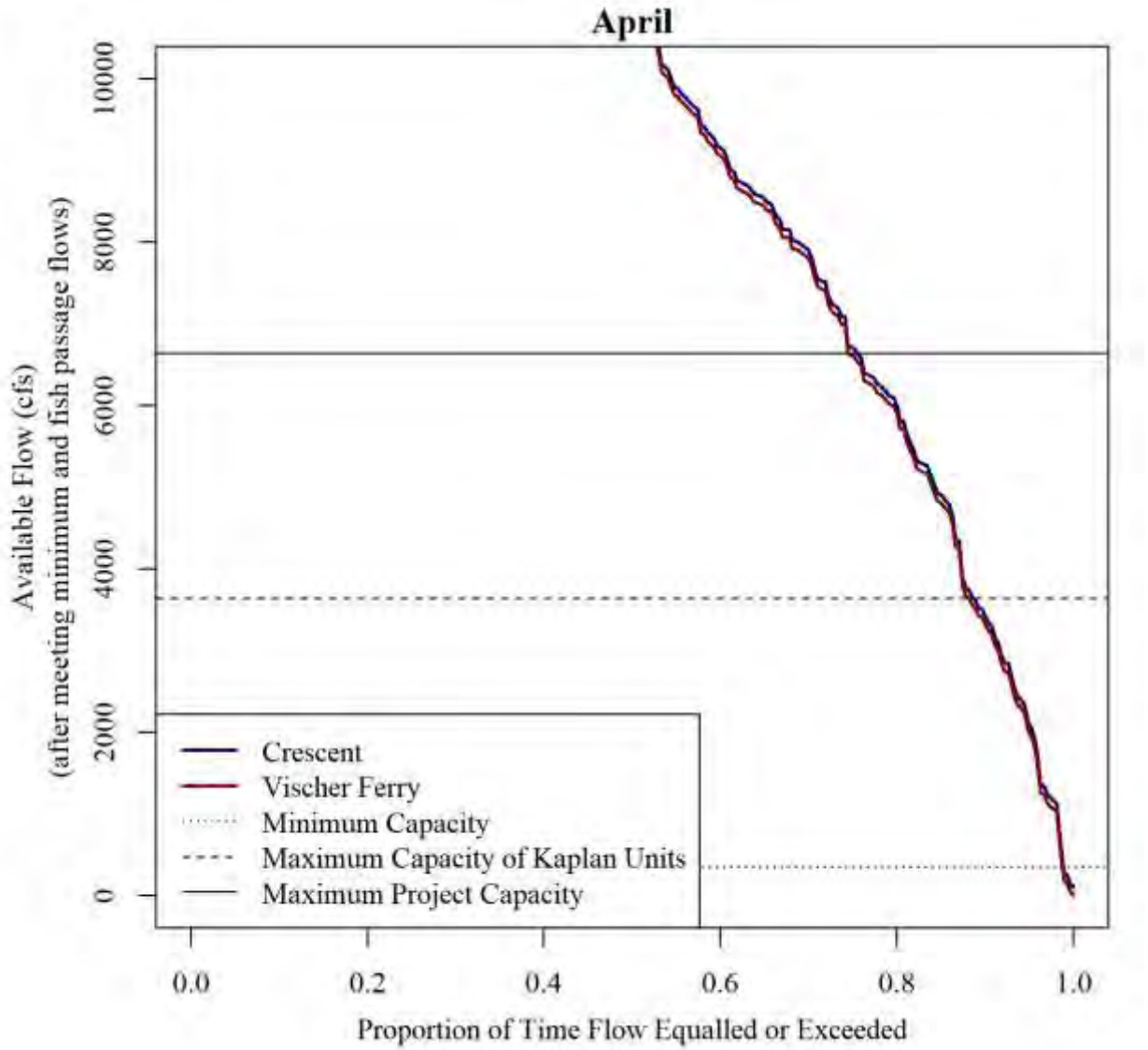
Note: Flow duration curves were derived from daily data from the Schenectady USGS Gage (Gage No. 1354500), from August 6, 2011 through May 30, 2020. Available flow was calculated by subtracting minimum flows and fish passage flows from the total daily flow at each Project. Flow needed for operating the lock system was not subtracted, and the actual flows used for generation may have been lower than shown.

Figure 3.1.3-4: March Flow Duration Curves for the Crescent and Vischer Ferry Projects



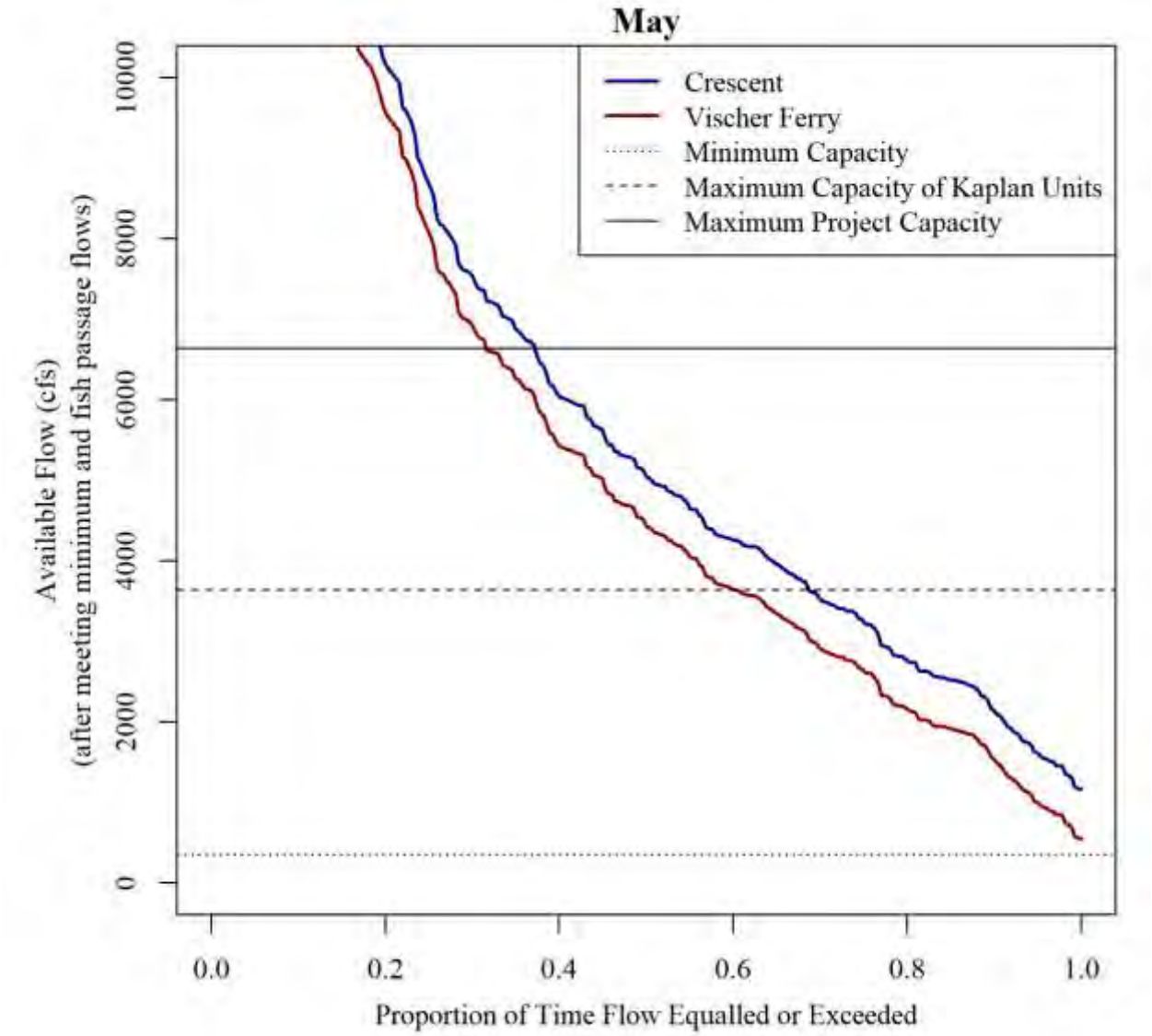
Note: Flow duration curves were derived from daily data from the Schenectady USGS Gage (Gage No. 1354500), from August 6, 2011 through May 30, 2020. Available flow was calculated by subtracting minimum flows and fish passage flows from the total daily flow at each Project. Flow needed for operating the lock system was not subtracted, and the actual flows used for generation may have been lower than shown.

Figure 3.1.3-5: April Flow Duration Curves for the Crescent and Vischer Ferry Projects



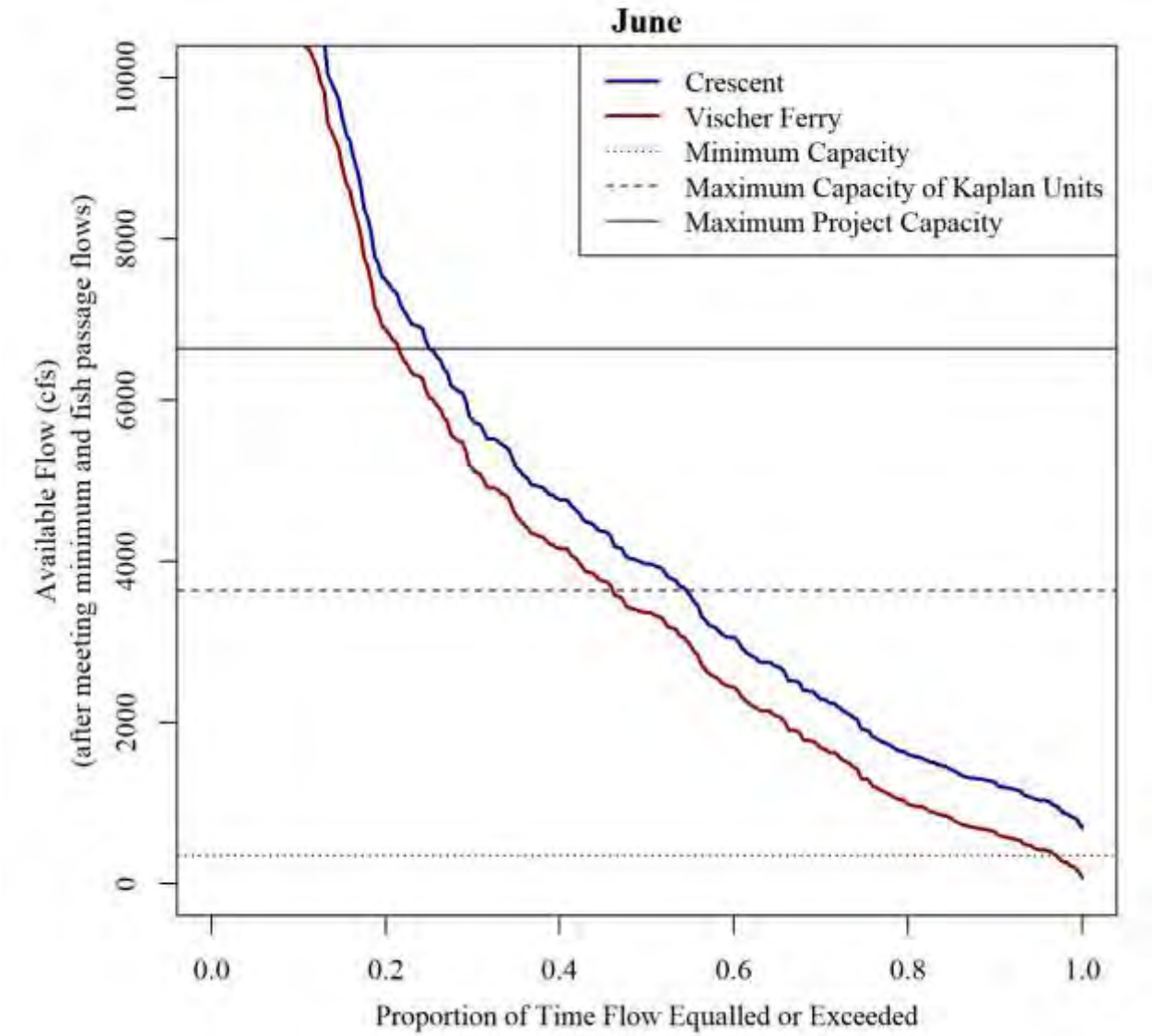
Note: Flow duration curves were derived from daily data from the Schenectady USGS Gage (Gage No. 1354500), from August 6, 2011 through May 30, 2020. Available flow was calculated by subtracting minimum flows and fish passage flows from the total daily flow at each Project. Flow needed for operating the lock system was not subtracted, and the actual flows used for generation may have been lower than shown.

Figure 3.1.3-6: May Flow Duration Curves for the Crescent and Vischer Ferry Projects



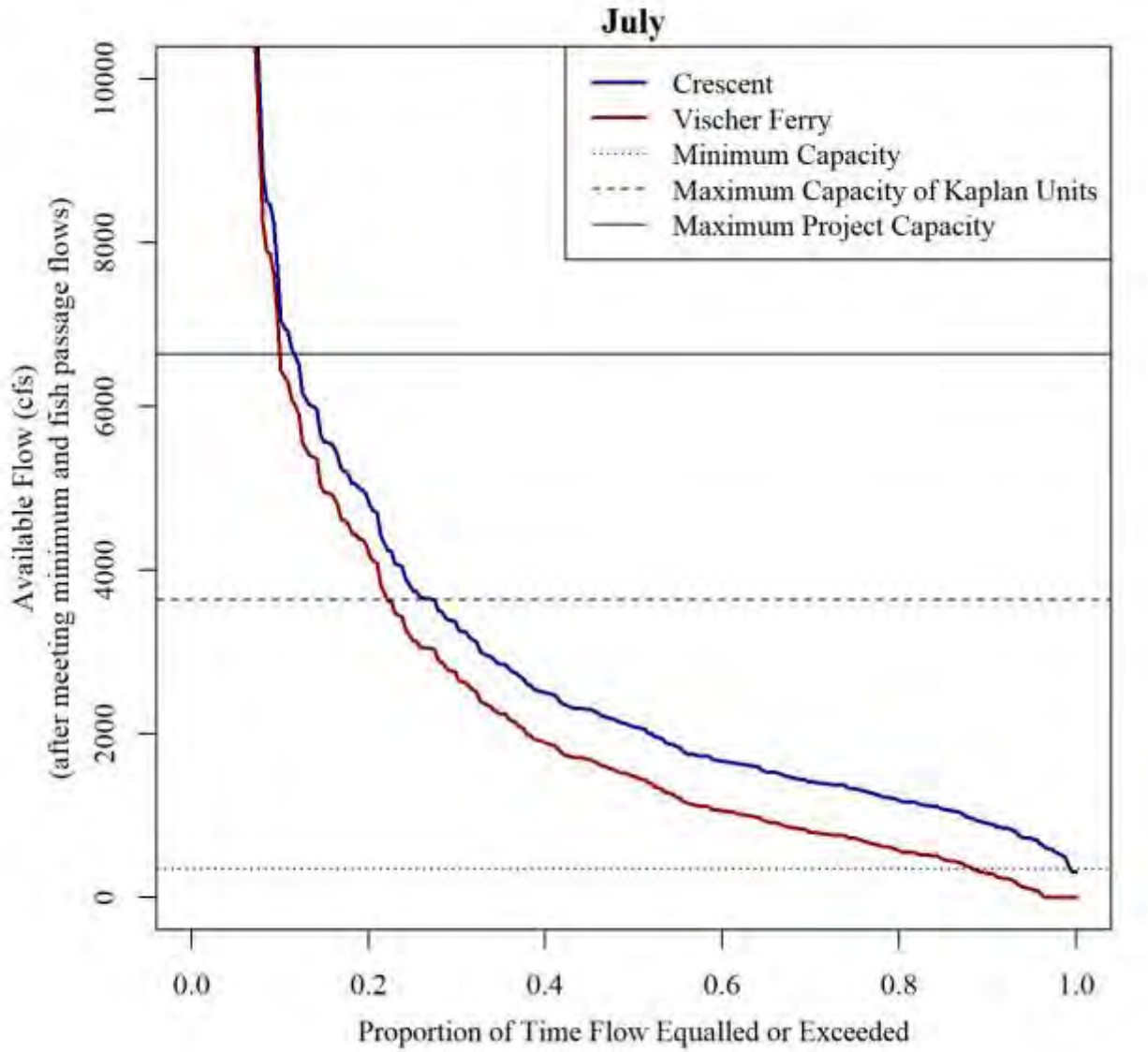
Note: Flow duration curves were derived from daily data from the Schenectady USGS Gage (Gage No. 1354500), from August 6, 2011 through May 30, 2020. Available flow was calculated by subtracting minimum flows and fish passage flows from the total daily flow at each Project. Flow needed for operating the lock system was not subtracted, and the actual flows used for generation may have been lower than shown.

Figure 3.1.3-7: June Flow Duration Curves for the Crescent and Vischer Ferry Projects



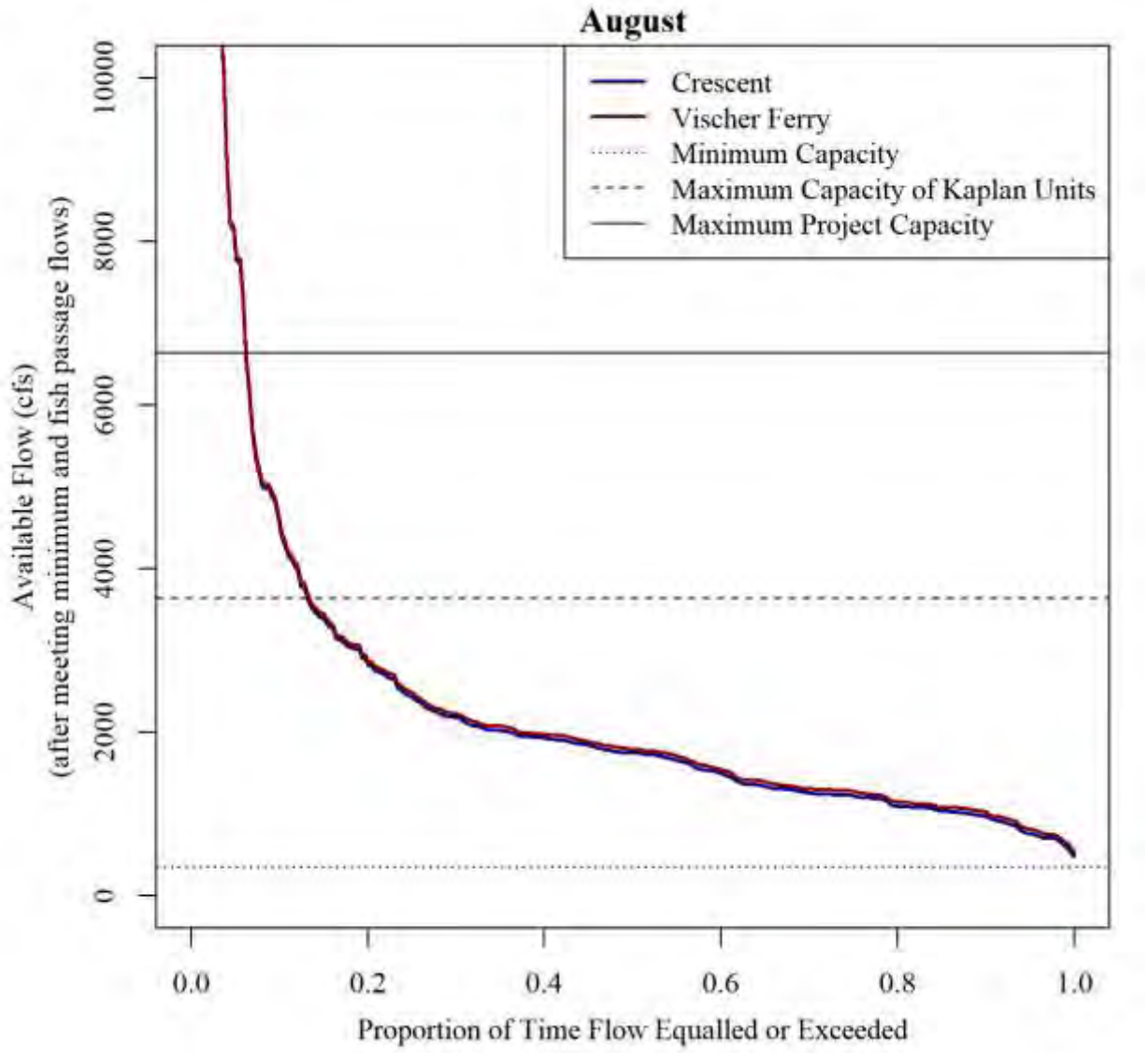
Note: Flow duration curves were derived from daily data from the Schenectady USGS Gage (Gage No. 1354500), from August 6, 2011 through May 30, 2020. Available flow was calculated by subtracting minimum flows and fish passage flows from the total daily flow at each Project. Flow needed for operating the lock system was not subtracted, and the actual flows used for generation may have been lower than shown.

Figure 3.1.3-8: July Flow Duration Curves for the Crescent and Vischer Ferry Projects



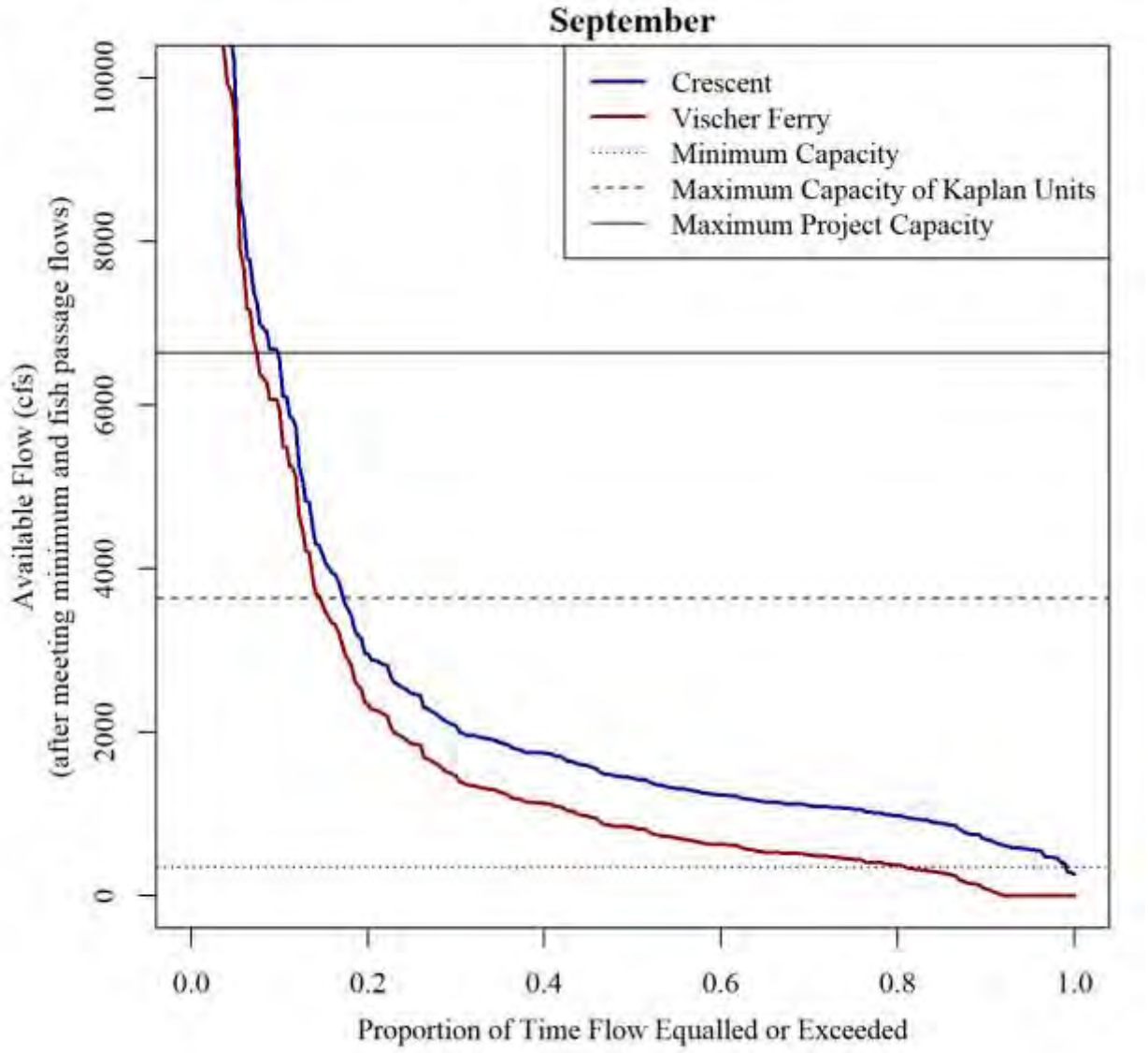
Note: Flow duration curves were derived from daily data from the Schenectady USGS Gage (Gage No. 1354500), from August 6, 2011 through May 30, 2020. Available flow was calculated by subtracting minimum flows and fish passage flows from the total daily flow at each Project. Flow needed for operating the lock system was not subtracted, and the actual flows used for generation may have been lower than shown.

Figure 3.1.3-9: August Flow Duration Curves for the Crescent and Vischer Ferry Projects



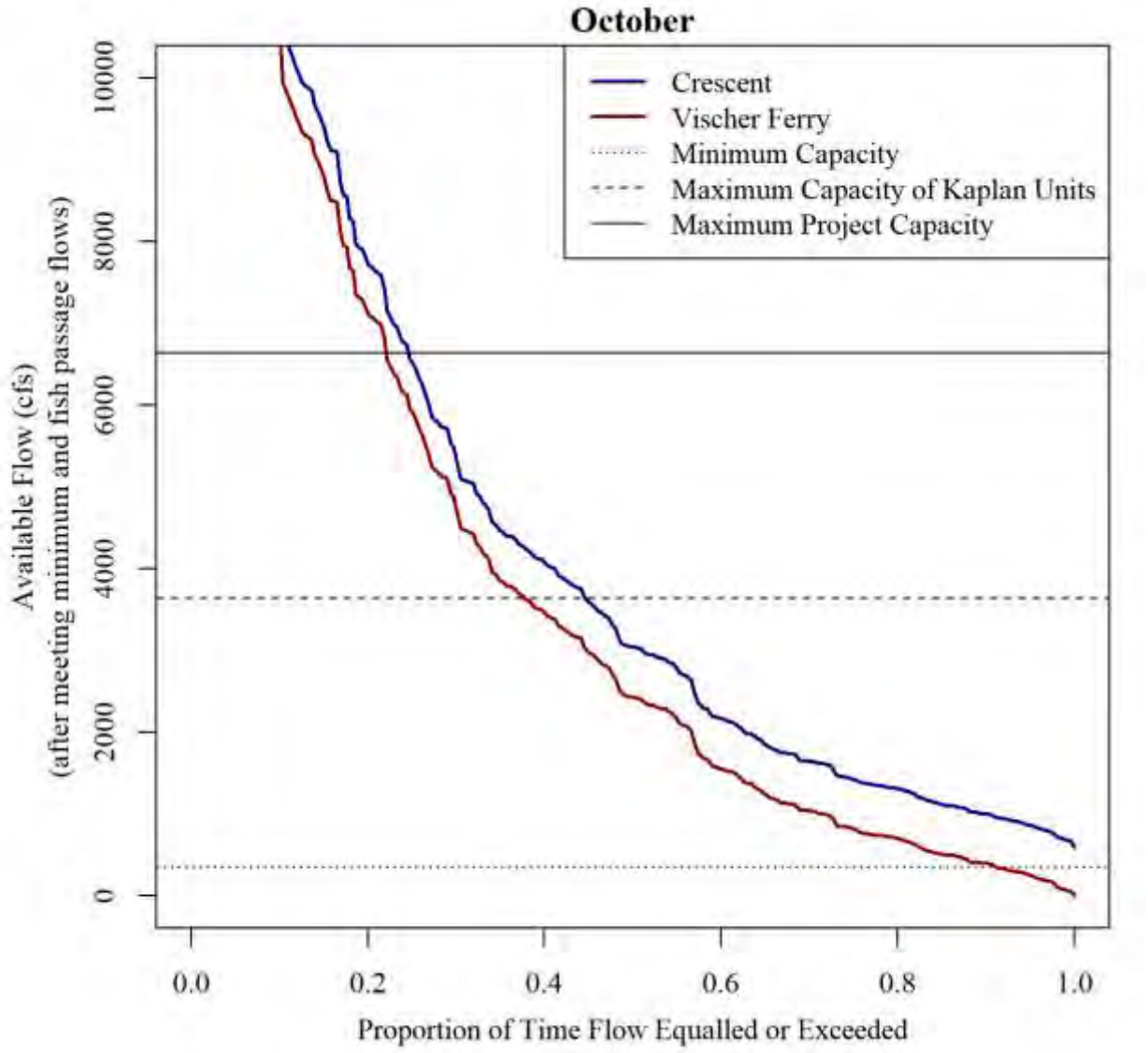
Note: Flow duration curves were derived from daily data from the Schenectady USGS Gage (Gage No. 1354500), from August 6, 2011 through May 30, 2020. Available flow was calculated by subtracting minimum flows and fish passage flows from the total daily flow at each Project. Flow needed for operating the lock system was not subtracted, and the actual flows used for generation may have been lower than shown.

Figure 3.1.3-10: September Flow Duration Curves for the Crescent and Vischer Ferry Projects



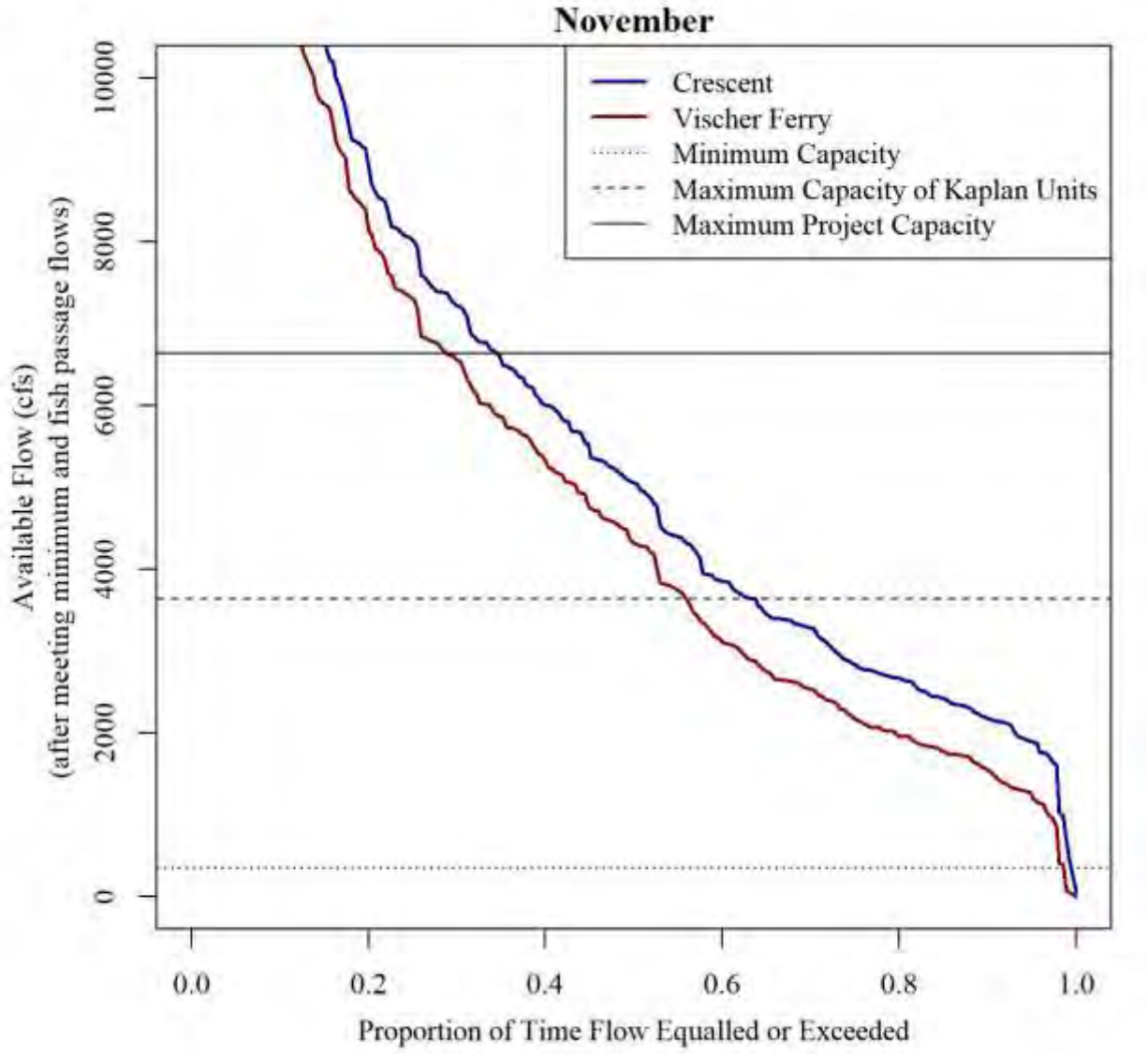
Note: Flow duration curves were derived from daily data from the Schenectady USGS Gage (Gage No. 1354500), from August 6, 2011 through May 30, 2020. Available flow was calculated by subtracting minimum flows and fish passage flows from the total daily flow at each Project. Flow needed for operating the lock system was not subtracted, and the actual flows used for generation may have been lower than shown.

Figure 3.1.3-11: October Flow Duration Curves for the Crescent and Vischer Ferry Projects



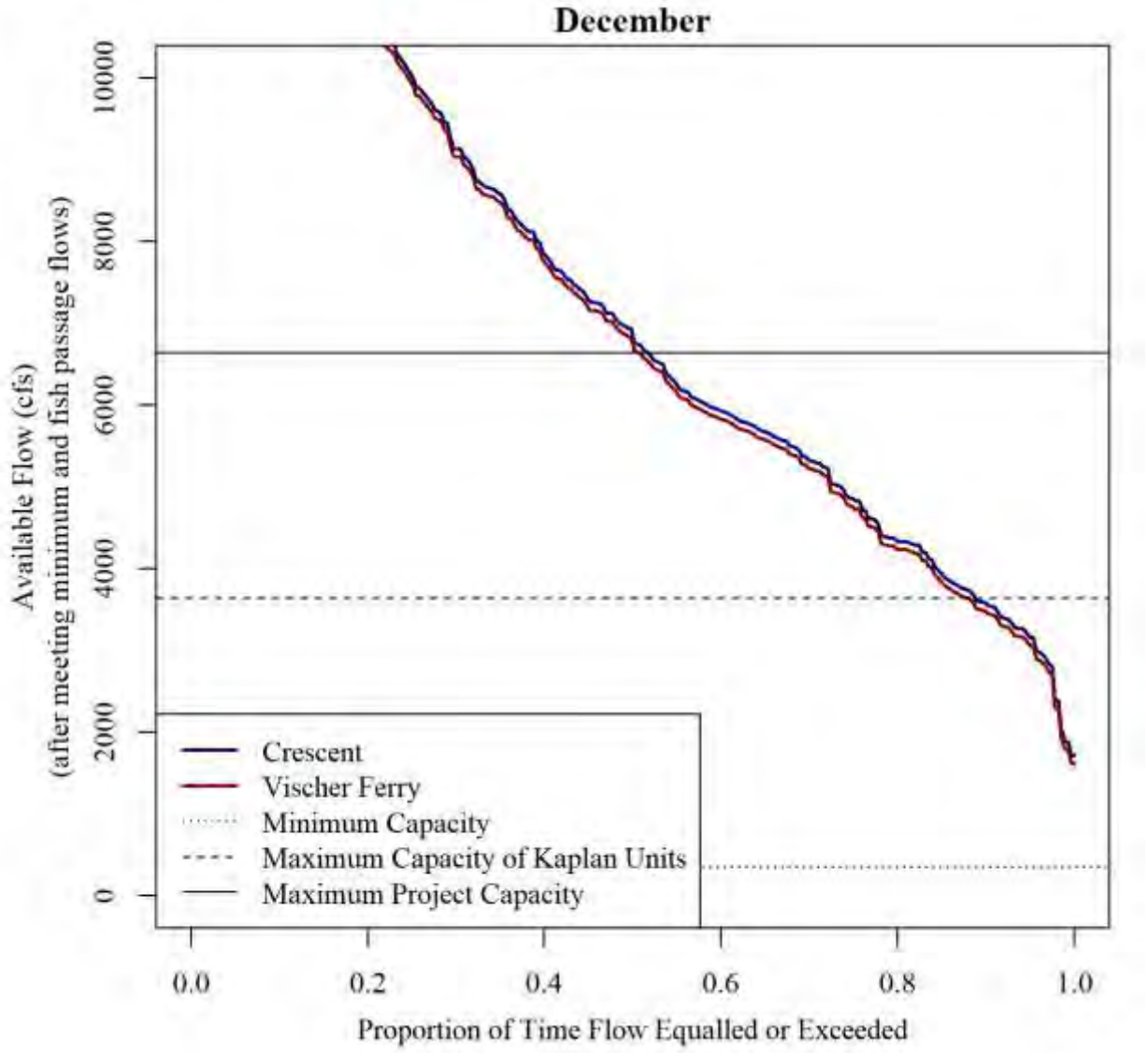
Note: Flow duration curves were derived from daily data from the Schenectady USGS Gage (Gage No. 1354500), from August 6, 2011 through May 30, 2020. Available flow was calculated by subtracting minimum flows and fish passage flows from the total daily flow at each Project. Flow needed for operating the lock system was not subtracted, and the actual flows used for generation may have been lower than shown.

Figure 3.1.3-12: November Flow Duration Curves for the Crescent and Vischer Ferry Projects



Note: Flow duration curves were derived from daily data from the Schenectady USGS Gage (Gage No. 1354500), from August 6, 2011 through May 30, 2020. Available flow was calculated by subtracting minimum flows and fish passage flows from the total daily flow at each Project. Flow needed for operating the lock system was not subtracted, and the actual flows used for generation may have been lower than shown.

Figure 3.1.3-13: December Flow Duration Curves for the Crescent and Vischer Ferry Projects



Note: Flow duration curves were derived from daily data from the Schenectady USGS Gage (Gage No. 1354500), from August 6, 2011 through May 30, 2020. Available flow was calculated by subtracting minimum flows and fish passage flows from the total daily flow at each Project. Flow needed for operating the lock system was not subtracted, and the actual flows used for generation may have been lower than shown.

Figure 3.1.4-1: Downstream Fish Passage Routes at the Crescent Project

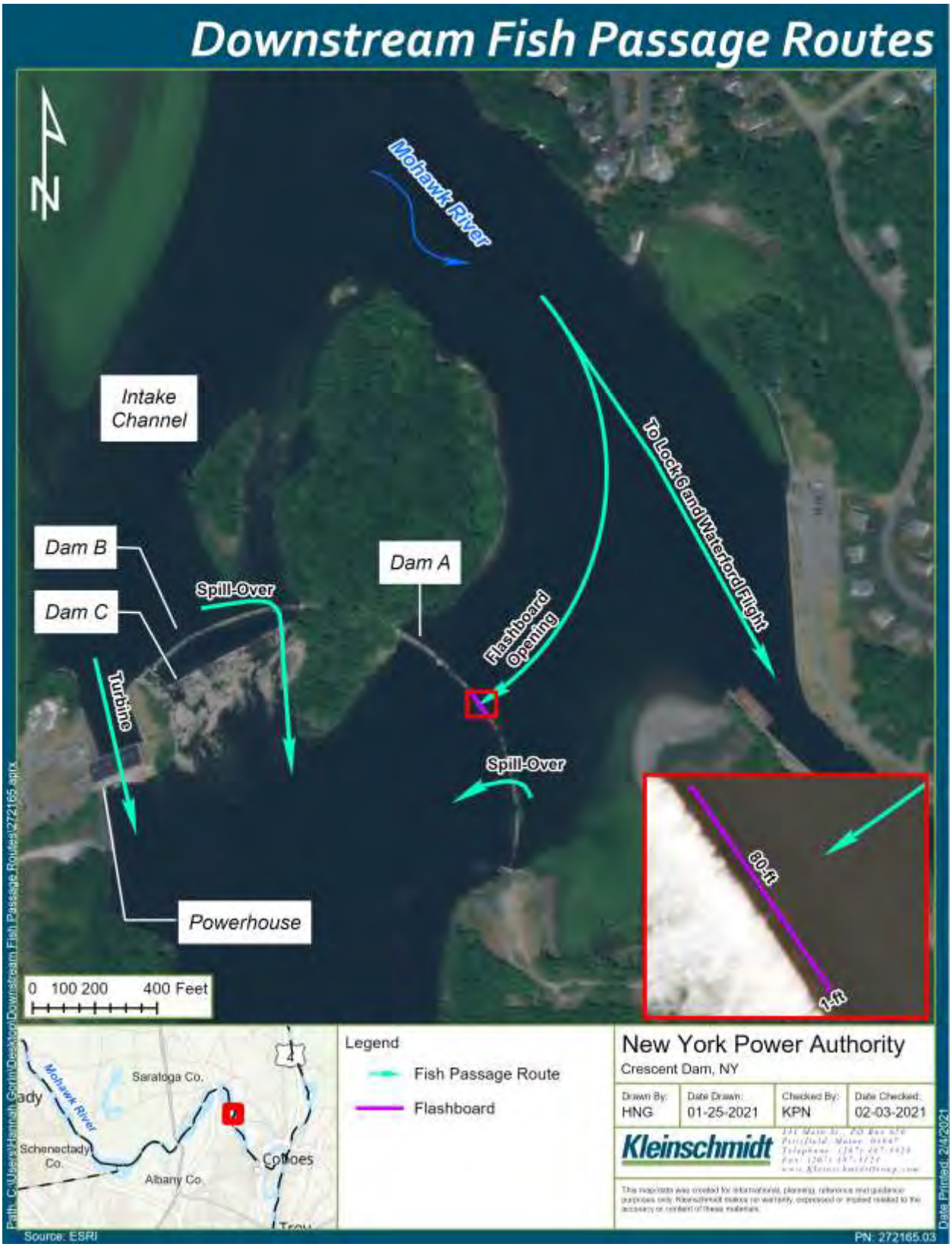
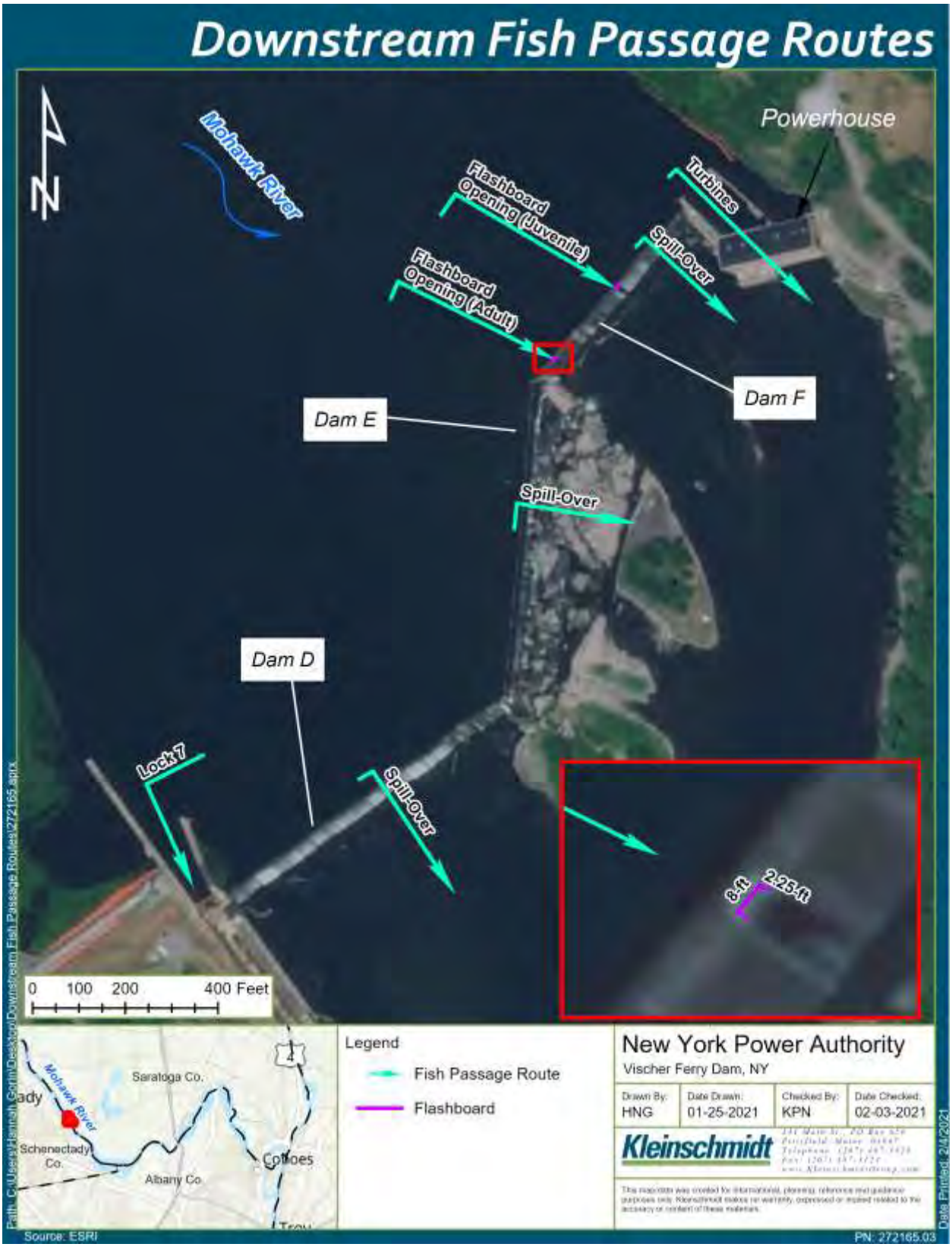


Figure 3.1.4-2: Downstream Fish Passage Routes at the Vischer Ferry Project



4 Study Approach/Methods

4.1 Project-Specific Characteristics

4.1.1 Target Fish Species

Target fish species were chosen based on the fish community in the vicinity of the Project, and in consultation with the resource agencies: USFWS and NYSDEC as well as the FERC. Target species include American Eel (*Anguilla rostrata*), Blueback Herring (*Alosa aestivalis*), Smallmouth Bass (*Micropterus dolomieu*), Walleye (*Sander vitreus*), and Yellow Perch (*Perca flavescens*). Information was gathered on the swim speeds, physiology, behavior, life-history and habitat preferences of each target species.

4.1.2 Intake Velocity

Water velocity and the spatial characteristics of the flow field at the Projects intakes influence the probability of fish entrainment. Mean water velocity at the trashracks was calculated as the total flow divided by the total (gross) area of the trashracks, minus major obstructions (e.g. piers and abutments).

4.1.3 Field Measurements

Velocity data were collected approximately one foot in front of the trashracks using an Ott MF Pro Digital Flow Meter with a sensor mounted to a long pole that was lowered to different depths. The flow meter sensor provided both velocity measurements and the depths at which the measurements were being collected. Measurements were collected at four depths and stations along each intake.

At the Crescent Project, upstream of the intake in the forebay area, a Sontek® M9 Acoustic Doppler Current Profiler (ADCP) linked to a Real-Time Kinematic Global Positioning System (RTK GPS) base station was used to collect velocity and flow data. Measurements were taken along two transects within the upper and middle of the forebay during three generating scenarios, representing full operational capacity conditions. Samples were recorded every second, and the instrument was pulled across the forebay slowly to ensure accurate velocity and flow measurements. Because there was no suitable tie-off on the river-left portion of the Vischer Ferry forebay, and because the center pier would have resulted in limited effectiveness of the ADCP to measure velocities[2], the ADCP was not used in the Vischer Ferry forebay and the only data obtained were digital flow measurements collected at intervals in front of the trashracks.

4.1.4 Water Quality of Impoundment

Water quality data were analyzed because the potential for fish entrainment can be affected by the vertical temperature profile and location of a thermocline, and the DO concentration near the intake structures. As part of the relicensing *Water Quality Study* (Power Authority, 2021c), the Power Authority collected water quality profiles in the Project forebays on a bi-weekly basis between June-October 2020. Data were collected at 1-meter intervals from the surface to the bottom. Data collected included DO, water temperature, pH, turbidity, and conductivity using a hand-held multiprobe. The profiles were then analyzed to identify trends in factors, such DO concentrations near the intake structures, and how these trends affect

2 The ADCP uses a wide beam to track particles in the water. In the presence of a narrow channel and vertical walls, accurate velocity readings would have been limited to areas near the water surface in most locations within the channel.

the potential for fish entrainment.

4.2 Entrainment Analysis

The potential for entrainment was developed for the Crescent and Vischer Ferry Projects qualitatively, using a literature-based approach. The entrainment assessment compares the various characteristics at the Project that could affect entrainment with the behavior, life history and habitat preferences of the target species. Many field entrainment studies were conducted in the United States in the 1990s, and the data are available in an EPRI database (EPRI, 1997). These data and findings are useful for identifying common physical, environmental, and biological trends in entrainment that can be applied to this Project and the target species.

There are a variety of factors that influence the potential for entrainment. Overall, the risk of entrainment is based on the probability that an individual will encounter the intake based on habitat and life-history traits relative to the location and configuration of the Project. Fish that are not expected to encounter the intake during their life cycle would not be expected to be at high risk for entrainment. Factors that affect the probability of encountering the intake include:

- **Movement Patterns of Fish Species.** Fish that are sedentary or do not move long distances have a lower probability of encountering the intake compared with fish that tend to travel long distances. Movement patterns often include a seasonal component given the tendency of fish to perform life-history functions (i.e. spawning) based on environmental cues that happen at specific times of the year, and potentially a diurnal component (i.e. nocturnal fish species).

- **Habitat Availability in the Vicinity of the Intake**. The presence of suitable spawning, foraging, or wintering habitat in the vicinity of the intake would encourage fish to reside in the area near the intake. Conversely, if no suitable habitat is present there, the abundance of fish near the intake would be low and few fish would be at risk of encountering the intake.

- **Project Configuration**. The design specifications of the project can influence whether certain fish would be susceptible to entrainment. Examples include trashracks that preclude certain size fish from entering the turbines, location of the intake (i.e. depth, distance from shore), and alternative passage routes.

- **Project Operations**. Hydroelectric generation is not typically constant at any given development, and the amount of generation (and therefore intake flow) can vary by season and time of day. If fish encounter the intake during idle times of non-generation, there would be no entrainment risk at that time. Additionally, turbine generation at partial capacity typically reduces the velocities near the intake and would result in greater chances of fish escaping entrainment.

- **Fish Passage and Protection Measures Installed**. Various measures are employed at hydropower facilities to reduce the impacts of entrainment and impingement. These measures range in design and implementation and include physical and/or behavioral measures that are designed to reduce the likelihood of entrainment/impingement and/or increase chances of survival for specific species and life stages.

Given these factors, the use of previously collected entrainment data from similar projects, along with a literature review of fish habitat and life-history traits and swim speeds, allows for a robust desktop analysis that can be applied to evaluating the potential for entrainment at the Project. Potential for individual fish of

each species to encounter the intake were analyzed qualitatively using the scale:

- **High**: Large amounts quality habitat located in the vicinity of the intake structure that could lead to chronic entrainment over a long timeframe; highly migratory species/life stage that would emigrate during times of Project operation
- **Moderate**: Habitat located in the vicinity of the intake structure; mobile resident species that move frequently
- **Low**: Limited to no habitat present in the vicinity of the intake structure; some seasonal movements for the species/life stage; Project operation infrequent during potential seasonal movements

4.3 Impingement Analysis

The potential for impingement on an intake trash rack depends on rack spacing and the size and swim characteristics of various fish species and life stages. Not all fish species occurring in the impoundments are equally susceptible to impingement because of their habitat use, behavior, and swimming abilities relative to the Project intake velocities. After determining which fish species have the potential to be present in the area of the intake structures, an analysis was performed to estimate the body length and width of fish that would be physically excluded by the bar rack spacing at the intake structure, and, thus, at risk for potential impingement. The potential for involuntary impingement of these species were then assessed by comparing swim speed thresholds to intake velocity.

The estimated length of each species that would be physically excluded by the trash rack spacing was determined by using proportional measurements for each species that was reported by Smith (1985). These proportional measurements were used to calculate a scaling factor of body width to total length (i.e. scaling factor = width/total length) for each species, which in turn was used to estimate the total length of each species that would be physically excluded by trashracks.

4.4 Survival Analysis

Survival for entrained fish at the Projects was evaluated using a combination of available literature and Project-specific characteristics.

Winchell *et al.,* (2000) summarized turbine passage survival data reported in the EPRI (1997) database by turbine type and characteristics and fish size. To estimate survival of fish that may be entrained and passed through the turbines at the Project, survival studies conducted at hydropower facilities with similar turbine types were examined. The survival rates reported were based on field tests at sites with axial-flow (i.e., propeller and Kaplan) and radial-flow (Francis) turbines per size class of test fish.

Project-specific estimates of turbine passage survival for entrained fish were calculated using methods developed by Franke *et al.,* (1997) for Francis and Kaplan turbines. Turbine specifications were input into the Franke *et al.,* (1997) models to derive the estimates for a range of fish lengths. The Franke models include a correlation factor (Lambda) that typically ranges between 0.1 and 0.2 for various facilities. Franke *et al.,* (1997) recommend the value for the correlation factor be within the range of 0.1 to 0.2 based on a review of empirical results associated with a number survival studies on different sizes of fish. Since this study examined a number of different species/lifestages of varying sizes, the estimates for this study were developed using a Lambda of 0.2, which is the recommended conservative value in the absence of site-specific or species-specific information (Towler and Pica 2018).

5 Target Fish Species

5.1 Fish Community

The NYSDEC manages the Mohawk River in the vicinity of the Projects as a mix of warm-water and cool-water species, which includes abundant game species such as Smallmouth Bass and Walleye. The river is also managed for diadromous species including, primarily, the anadromous Blueback Herring. NYSDEC's fishery management goals for the Mohawk River are multi-faceted and recognize that the fisheries of the Mohawk River watershed, like many inland waters, are in a state of transition (NYSDEC, 2012). A list of fish species known to occur in the Mohawk River in the vicinity of the Projects was summarized in the PAD. At least 62 fish species were documented in the Mohawk River and the Canal System from Lock E-6 in Waterford to Lock E-20 in Rome, New York from 1934 through 1983 (McBride, 2009). Smallmouth Bass and Walleye are the most popular gamefish among anglers (Bureau of Fisheries, 2015-2016), and the river is managed by NYSDEC for a mixture of warm-water and cool-water fish species with a focus on Smallmouth Bass and Walleye.

Most species of fish in the Mohawk River are considered resident fish except for the anadromous Blueback Herring, which migrate into the river system in the spring to spawn. Blueback Herring are native to the Hudson River and lowermost 2.5-mile section of Mohawk River (~1.5 miles below the Crescent Project). Prior to the construction of the Canal System, Blueback Herring did not migrate to habitats above Cohoes Falls. However, with the construction of the Canal System, Blueback Herring established a migration run in the Mohawk River above Cohoes Falls, through the Crescent and Vischer Ferry Projects, and into habitats upstream. In present times, juvenile Blueback Herring are a key component of the forage base for many resident piscivorous species (George et al., 2016).

Fish communities in the Mohawk River have been sampled several times between 1934 -2018. Studies have been conducted with a wide variety of survey methods including trap nets, gill nets, and electrofishing. Overall, 29 species have been documented within the Crescent and Vischer Ferry Project areas during NYSDEC surveys. Based on these surveys, the NYSDEC has described the Mohawk River Basin fisheries as being in a state of transition (NYSDEC, 2012). The non-native and invasive Zebra Mussel (*Dreissena polymorpha*), which was first observed in 1991, spread throughout the lower river by 1993. Freshwater Drum became established around 1990 and Northern Pike have increased in abundance as well. Alternatively, the runs of anadromous Blueback Herring have declined, and preliminary data suggest Smallmouth Bass are becoming less abundant (USGS, 2018a).

Intensive, nighttime boat electrofishing surveys occurred in the Crescent Impoundment during June 2018. The primary purpose of the surveys was to assess the status of Smallmouth Bass and Largemouth Bass (collectively known as black bass) with a secondary focus on Walleye (Wells, 2018). Sampling covered much of the impoundment's shoreline. A total of 1,038 fish representing 27 species were collected. The most numerous sportfish captured were Smallmouth Bass, Walleye and panfish.

The Power Authority is conducting a comprehensive desktop assessment of the fish community as a separate relicensing study for the Projects to determine species composition and relative abundance of the fish community in the Mohawk River in the vicinity of the Projects. For more information, see the *Fish Community Study* relicensing report (Power Authority, 2021b).

5.2 Life Histories and Habitat Preferences

The life history, habitat preferences and behavior of each target species as it relates to the entrainment analysis at the Crescent and Vischer Ferry Projects is described below and summarized in Table 5.2-1.

5.2.1 American Eel

The American Eel is the only representative of the family Anguillidae in North America. They are catadromous, meaning that they spend most of their life in freshwater but migrate to the ocean to spawn in a region of the Atlantic Ocean known as the Sargasso Sea (Facey and Van Den Avyle, 1987). They are also panmictic, meaning that the entire population breeds together in one breeding ground and thus eels from the northern end of the range can potentially breed with eels from the southern end of the range (Shepard, 2015). American Eel have never returned from their spawning grounds and are therefore considered semelparous, meaning they die after spawning (ASMFC, 2017). Eel larvae (leptocephali) are born in the Sargasso Sea and develop into juvenile eels (elvers) and migrate inland where they live and grow to maturity (sometimes 15+ years) and are typically referred to as yellow eels.

In the Hudson River watershed, eel larvae typically enter freshwater beginning in mid-March, with the run timing peaking in late April or early May (NYSDEC). They inhabit a wide variety of habitats, from cold, freshwater streams and lakes to warm, brackish coastal areas. Lakes and ponds are an important habitat for eels, as large lakes tend to produce highly fecund females (USFWS, 2015). They reside near the bottom, tend to hide in crevices in substrates or available shelter, and are most active during the night (Facey and Van Den Avyle 1987). In the winter, they will lie dormant in the northern latitudes. There is a large degree of variability in habitat selection among eels, with some inhabiting brackish waters close to the ocean while others continue to migrate inland to freshwater until they reach maturity. Individuals that inhabit brackish waters tend to have higher growth rates, faster maturation, and tend to be dominated by males (ASMFC, 2017). Eels that inhabit freshwater tend to take a longer time to reach maturity and are typically females (ASMFC, 2017). Several studies show that eels are territorial fish that establish a home range from which they rarely stray until they reach maturity (Shepard, 2015). On the Hudson River, 70% of PIT-tagged eels moved less than 0.6 miles from their initial capture site during a 2-12 month period following capture (USFWS, 2015).

When eels reach sexual maturity, they are often referred to as ‘silver eels’, and they develop large eyes, dark fins, a metallic, bronze-black sheen, fattening of the body, thickening of the skin, and additional changes to internal morphology to prepare them for their migration in the open ocean and the Sargasso Sea to spawn (Facey and Van Den Avyle 1987). The spawning migration typically occurs starting in late summer or early fall in New England and eastern Canada, though migration from lakes that are far inland may occur sooner, such as June – August from Lake Champlain (Facey and Van Den Avyle 1987). Eels migrating from northern latitudes will typically begin their migration earlier than eels in the mid-Atlantic or southern portions of the range because they have a longer distance to travel to their spawning grounds in the Sargasso Sea (Shepard, 2015). Additionally, eels from northern latitudes tend to grow larger in size than eels from the southern portion of their range as they require larger fat reserves to make it through their migration (Shepard, 2015).In the northern portions of their range, the spawning migration occurs in August through October (Shepard, 2015). Migration of eels can be initiated by a wide combination of environmental factors (i.e. changing water temperatures, moon phase, photoperiod, atmospheric pressure, turbidity), though runs with the greatest abundance typically occur during periods of increased discharge and low light conditions (Bruijs and Durif, 2009).

American Eel have been caught in the main channel of the Mohawk River as far west as Herkimer, as well as in Schoharie and West Canada Creeks (Carlson et al., 2016). During a 2015 survey conducted by the NYSDEC, no American Eel were reported in five tributaries of the Mohawk River (Limburg et al., 2015). Additionally, the USGS sampled 35 locations in 32 Mohawk River tributary streams specifically for American Eel in 2015-16 and no eel were found. The USGS also sampled 20 tributary streams in 2019 for a fish community assessment and did not collect or observe any eel (email from Scott George, USGS to Robert Daly, Power Authority, 1-6-2020). Other recent surveys by the NYSDEC in the vicinity of the Projects found limited numbers of eel present.

Current information on American Eel in the Project areas is summarized in the *Fish Community Study* relicensing report (Power Authority, 2021b). In addition, NYSDEC and other stakeholders requested that the Power Authority conduct a relicensing study to evaluate the status of American Eel within the Project areas. The presence and relative abundance of American Eel in the Project boundaries will be assessed in a separate field study being conducted by the Power Authority in 2021.

5.2.2 **Blueback Herring**

Blueback Herring are an anadromous river herring native to the eastern seaboard of North America. Their native range extends from Labrador to Florida. Along this range, the species inhabits coastal, estuarine and riverine systems, as well as some inland lakes. Blueback Herring live most of their adult life at sea, returning inland to spawn. Inland migration has been enhanced in many places through man-made locks and canals, which has resulted in their expansion into many inland lakes and waterways adjacent to its native range, including the Mohawk River and Lake Ontario in New York (NYSDEC, 2019). Today, juvenile Blueback Herring make up a key part of the forage base for many resident piscivorous species in the Mohawk River (George *et al.*, 2016).

Blueback Herring are native to the Hudson River, and run up the Hudson in the spring to spawn in various tributaries, including the Mohawk River. Cohoes Falls, located approximately 1.5 miles downstream of Crescent Dam and approximately 2.5 miles upstream of the Mohawk's confluence with the Hudson River, presents a natural barrier that Blueback Herring would be unable to pass but for the Canal System and locks. Blueback Herring depend on the operation of locks and gates on the Canal System to gain access to the Mohawk River. Adults migrating upstream through the canal enter the Mohawk River upstream of the Crescent Dam. Blueback Herring were first recorded in the lower Mohawk River upstream of Cohoes Falls in 1934 (USGS, 2018b) and were first reported in the upper Mohawk (above Little Falls) in 1978 (*Owens et al.*, 1998). Spawning migrations can extend to near Rome, New York, about 120 miles above the river's mouth and more than 100 miles upstream of the Crescent and Vischer Ferry Project dams (FERC, 2000).

Blueback Herring spawn in the upper reaches of the Mohawk River and its tributaries, preferably in swift-flowing, hard-bottomed stream reaches, and begins when water temperatures reach 10-15° C. (FERC, 2000). Spent adults migrate downstream shortly after spawning, generally during the period May through July (FERC, 2000). Juvenile Blueback Herring rear throughout the Mohawk River during summer and are an important prey for game fish such as bass, Walleye, and Yellow Perch. In the summer, young of year Blueback Herring can typically be found near the surface but move to deeper water prior to migrating to the sea. Outmigration of juvenile Blueback Herring from the Mohawk River typically occurs during the fall (FERC, 2000).

The Power Authority is conducting a desktop study on the downstream migration survival of both juvenile and post-spawning adult Blueback Herring and the effectiveness of the acoustic deterrent system at the

Project's intakes. As a separate relicensing study for the Projects, it consists of a literature review of relevant studies, consultations with fisheries professionals with site specific knowledge, as well as Blueback Herring researchers. A model was developed to estimate downstream passage survival for multiple migratory routes under a variety of scenarios including river flows and the effectiveness of the acoustic deterrent system. For more information, see the *Blueback Herring Downstream Migration Study* relicensing report (Power Authority, 2021a).

5.2.3 Smallmouth Bass

Smallmouth Bass are an important sport fish and are commonly found in medium to large clear streams, rivers and lakes and are associated with gravel and rocky bottom types (Becker 1983). The original distribution of Smallmouth Bass in New York State included only waters associated with the Great Lakes and St. Lawrence River, although introductions have established them in waters throughout the state (Smith 1985). Habitat depth preferences tend to vary seasonally with fish inhabiting shallow littoral zones in the spring and early summer, moving deeper as waters become warmer. Smallmouth Bass generally move into deep water and become inactive during winter. Spawning occurs in the spring and early summer when water temperatures range from 17-18 °C (Smith 1985). Males build nests and, post spawning, guard the eggs and recently hatched fry from predation by other species. Food ranges from a variety of aquatic invertebrates for younger bass to fish, frogs and small mammals as larger adults (Smith 1985).

Sampling in the Mohawk River by NYSDEC identified Smallmouth Bass as the most proportionally abundant game fish in fish collections throughout the Mohawk River Watershed. In 2018, the Crescent Impoundment shoreline was sampled by NYSDEC via boat electrofishing and Smallmouth Bass were found to be the most numerous sportfish in the impoundment and made up 19% of the fish captured (Wells, 2018).

5.2.4 Walleye

Walleye are native to freshwater rivers and lakes of Canada and the United States. They can tolerate a wide variety of conditions but tend to prefer moderate to large lakes, reservoirs, or rivers with cool temperatures, moderate turbidities, extensive littoral zones, and substantial areas of rocky substrate (McMahon *et al.*, 1984). Walleye are primarily piscivorous when suitable forage fish are available. They avoid bright light and tend to prefer slightly turbid water or deep, clear lakes or reservoirs with abundant food. They are generally found in deeper waters during the day and tend to move into shallower areas during heavy cloud cover and at night for feeding. Walleye are opportunistic predators, beginning on crustaceans and aquatic invertebrates as juveniles, and then moving to fish and other larger vertebrates and invertebrates as they mature (Smith 1985). Male Walleye mature at 2 to 3 years, whereas females mature at 4 to 5 years.

Adult Walleye in riverine habitats tend to be found in areas of slight current except in the winter where they avoid turbulence (McMahon *et al.*, 1984). They are generally found under cover in depths less than 50 feet during the day, and feed actively at night when they may move toward shallower inshore areas. Cover is important for both sheltering them from sunlight and providing resting areas to avoid high velocities. Habitat requirements of juveniles appear to be similar to adults.

Walleye typically spawn in the spring following ice out when water temperatures reach 1.6 °C to 6.6 °C. Walleye prefer to spawn over substrates ranging in size from sand to boulders, but preferably select cobble to rock size substrate in water generally 2 to 4 feet deep (Smith 1985; Jenkins and Burkhead, 1993). The onset of these conditions typically occurs in the lower Mohawk River in early April (Kleinschmidt, 1994).

5.2.5 Yellow Perch

Yellow Perch are native to New York and are present in all areas of the state, preferring shallow waters with abundant aquatic vegetation. Yellow Perch are a schooling species typically found in the littoral zone of lakes, although they can also frequent river and stream habitat. Juvenile Yellow Perch typically feed on a variety of invertebrates and small fish as they grow larger. Although Yellow Perch are typically associated with shallow water, they have been observed using depths up to 150 feet (Becker 1983). Almost exclusively a daylight feeder, they are active during all months of the year (Becker 1983). Spawning occurs in the spring from mid-April to early May when water temperatures range from 7-13 °C (Scott and Crossman 1973). Spawning occurs in the littoral zone of lakes and ponds or slow-moving rivers where long strings of eggs are deposited on submerged woody debris or vegetation at night or early morning (Scott and Crossman 1973). Young emerge in 8-10 days and typically inhabit shallower littoral depth than older fish (Smith 1985).

In 1993-1994, a fish community survey was conducted directly downstream of the Crescent Project in the School Street dam impoundment, bypass reach, and tailwater (Kleinschmidt Associates 1994). Fish sampling was conducted six times in each location from June 1993-May 1994. Fish were sampled using a variety of methods including gill nets, hoop nets, beach seining, backpack electrofishing, and boat electrofishing. Yellow Perch were a dominant species in the impoundment but were less abundant in the bypass reach and the tailwater below the power station. The presence of pre-spawning Yellow Perch in the spring sample indicated that Yellow Perch utilize the impoundment for spawning, and young of year perch were abundant in samples following the spring spawning period.

5.3 Swim Speeds

The swimming speed of fish can be an important factor for escaping and avoiding entrainment and impingement. Swimming speeds can be grouped into three different types based on how energy is supplied to the muscles (Beamish, 1978). Sustained speeds are maintained through aerobic processes, prolonged speeds are maintained through aerobic and anaerobic processes, and burst speeds are maintained primarily through anaerobic processes and results in oxygen debt that must be regained (Beamish, 1978). Sustained speeds can be maintained for long periods without fatigue (Beamish, 1978). Prolonged speeds can typically be maintained anywhere from 15 seconds to 200 minutes until exhaustion, with anaerobic metabolism increasing and the time to exhaustion decreasing with increased speed (Beamish, 1978). Burst speeds are the maximum speeds that can be attained by fish and can only be maintained for short periods (time less than 15 seconds) prior to exhaustion (Beamish, 1978).

For several species and life stages, literature was available to characterize prolonged and burst speeds. However, for those without available information, a rule developed by Bell (1991) was used. Bell (1991) established a ratio of prolonged to burst speeds of 0.5 to 0.7. In the absence of burst speed data from the literature, the burst speed was calculated by dividing the prolonged speed by 0.6

To ascertain whether or not a certain size fish of a particular species is likely to be impinged or entrained, the burst swim speeds were compared to the calculated approach velocity of the intake trashracks at the maximum hydraulic capacity of the Project. The species and sizes whose burst swim speeds are less than the approach velocity at the Project intake could become impinged at the trashracks if their body widths are greater than the trashrack spacings. If the body width of a fish is less than the trashrack clear spacing and its burst swim speed is less than the approach velocity, it could become entrained in the turbine(s).

5.3.1 American Eel

Locomotion of American Eel is different than all other target species, with an anguilliform motion that utilizes undulations of most of the fish's body (Tytell and Lauder 2004; Katopodis and Gervais 1991). Swim speed estimates were found for yellow and silver-phase European Eel (*Anguilla anguilla*), a closely related species with extremely similar morphology and behavior to the American Eel. Characteristics of eel muscle suggest reduced swimming speeds relative to other fish (Quintella et al. 2010). Prolonged speeds for yellow eels 14 to 21" in length averaged 1.4 ft/s while speeds for silver eel males (length = 12.5-16.9") and females (length = 22.2-27.6") averaged 2.1 and 2.4 ft/s respectively (Quintella et al. 2010). Information on burst speeds were not found on adult eel, but were calculated using Bell (1991), which suggests that prolonged speeds are approximately 50-70% of the burst speed; for female silver eel, the calculated burst speed would be between 3.4 and 4.8 ft/s.

5.3.2 Blueback Herring

Adult Blueback Herring have a burst swim speed of 8.2 ft/s at an average length of 8 inches (Castro-Santos 2005) Juveniles have a burst swim speed of 2 ft/s at an average length of 3.5 inches (J. Morales pers. Comm.).

5.3.3 Smallmouth Bass

Peake (2004) documented prolonged speeds of 2.1 to 3.2 ft/s for adult Smallmouth Bass ranging between 9.4 and 17.3 inches in length. Adult Smallmouth Bass burst swim speeds have been documented to range from 3.5 to 5.6 ft/s for 9.4 to 15.0-inch fish (Peake and Farrell, 2004). For the purposes of this analysis, estimates at the center of those ranges were used (i.e. 2.65 ft/s prolonged speed and 4.55 ft/s burst speed)

Juvenile Smallmouth Bass (approximately 3.6 in) prolonged speeds of up to 1.8 ft/s were documented (Webb, 1978). Using the Bell (1991) rule, juvenile Smallmouth Bass burst speeds could reach 3.0 ft/s.

5.3.4 Walleye

Adult Walleye ranging in size from 7.0 to 26.4 inches, tested at 68°F, were documented as having a prolonged swimming speed range of 1.4 to 3.7 ft/s, and when startled can exhibit burst speeds of 5.2 to 8.5 ft/s (Peake *et al.*, 2000; Furniss *et al.*, 2008). Both prolonged swimming and burst speeds increased significantly with body length and water temperature (Peake *et al.*, 2000). Furniss *et al.*, (2008) estimated that juvenile Walleye 3.0 to 7.0 inches in length have a prolonged swim speed that range from 1.2 to 1.9 ft/s. However, Furniss *et al.*, (2008) did not report burst swim speed for juvenile Walleye so it was estimated following Bell (1991) range between 2.0 and 3.16 ft/s.

5.3.5 Yellow Perch

Adult Yellow Perch have been documented to have a burst swim speed of 5.6 ft/s at a maximum size of 9.6 inches, while juveniles have been documented at a maximum burst speed of 2 ft/s at a minimum length of 3.5 inches (Katopodis and Gervais, 1991). Yellow Perch had a calculated prolonged swimming speeds for adults of 3.36 ft/s (Bell, 1991).

Table 5.2-1: Summary of life-history strategies, riverine habitat, and swim speeds for target species and life stages.

Fish Species	Life-History Strategy	Preferred Riverine Habitat			Adult Swim Speed (ft/s)		Juvenile Swim Speed (ft/s)	
		Adult	Juvenile	Spawning	Prolonged	Burst	Prolonged	Burst
American Eel	Catadromous	Habitat generalist. Prefers areas with cover and hiding places.	Similar to adults	Oceanic	1.4-2.4	3.4-4.8	N/A	N/A
Blueback Herring	Anadromous	Open water	Open water	Swift-flowing, hard-bottomed stream reaches	4.1	8.2	-	2.0
Smallmouth Bass	Resident	Low velocity areas with cover, near current	Similar to but typically shallower than adults	Shallows, backwaters, or tributaries in areas with clean rocky or gravelly substrate	2.1 - 3.2	3.5-5.6	1.8	3.0
Walleye	Resident	Areas of slight current, except during winter when they avoid turbulence. Within or under cover during the day in less than 50 feet of water, moving shallower at night	Similar to adults	Shallow areas with rocky substrate and water circulation	1.4 - 3.7	5.2 - 8.5	1.2-1.9	2.4-3.16
Yellow Perch	Resident	Rocky and vegetated littoral zone in summer, deeper water in winter	Shallow water with rock and vegetation	Lake shorelines with vegetation, streams	3.36	5.6	-	2.0

6 Entrainment Assessment

6.1 Potential for Fish Entrainment

6.1.1 Factors Affecting Entrainment Risk

Based on the life history of the target species and the configuration of the Projects, several factors have been identified that affect entrainment risk. These include:

- **Species Habitat Preferences**: Limited habitat is available (i.e. limited forage and cover) in the Crescent and Vischer Ferry Forebays for most species and life stages, which reduces the chance of fish being attracted to or taking up residence there.
- **Species Life-Histories**: Non-migratory life-histories of most life stages for the target species evaluated reduces the likelihood of fish emigrating downstream. Of the target species, only American Eel and Blueback Herring require emigration out to sea to complete their life cycle.
- **Periods with Limited Generation**: Low-flow periods during the summer would result in reduced generation and low intake velocities at the Project, limiting their attraction to the target species, and allowing for escapement of involuntary entrainment.
- **Alternate Routes of Downstream Passage**: During navigation season, Crescent provides approximately 250 cfs of spill through a notched section of the dam. Vischer Ferry provides two seasonal openings in the flashboards for downstream fish passage. Additionally, many fish may pass downstream through the navigation lock systems adjacent to each Project.
- **Fish Protection Systems**: Downstream passage at both Projects is greatly enhanced through the operation of acoustic deterrent systems that are meant to guide Blueback Herring away from the Project intakes. The ultrasonic projection system is operated from May 1 – November 30 (Power Authority, 2019).

The following subsections characterize several other Project-specific factors that can affect entrainment of the target species at the Projects.

6.1.2 Water Quality

The relicensing *Water Quality Study* (Power Authority, 2021c) found no evidence of thermal stratification in the Crescent and Vischer Ferry forebays. However, monitoring at the Vischer Ferry forebay site documented periodic dissolved oxygen (DO) stratification when the turbines were not operating. During periods of low DO at depth, fish that are intolerant of low oxygen levels would have avoided the deeper portions of the water column and may have generally avoided the area near the intake due to lack of cover in the upper portion of the water column. Therefore, when the Project began to generate after DO stratification events, it is less likely that fish will be present near the intake structure.

Continuous monitoring in the Project forebays documented episodic periods of low DO that occurred during the summer, regardless of whether the Project was operating or offline. It is likely that the dissolved oxygen levels in the Project impoundments are being influenced by the productive aquatic vegetation present there, which would influence DO levels in the Project forebays. During periods of low DO, fish movement may be reduced, or they may avoid areas of low DO such as the Project forebays and would have a lower likelihood of encountering the Project intakes at those times. A detailed description of the water quality at the Crescent

and Vischer Ferry Projects can be found in the relicensing *Water Quality Study* (Power Authority, 2021c).

6.1.3 Calculated Velocities

The total gross area of the trashracks is 3,990 ft^2 at Crescent and 4,101 ft^2 at Vischer Ferry. However, this area includes parts of the trashrack that are obstructed by concrete piers and abutments, and the trashracks extend to areas that are above the water surface. Additionally, the sections of the intake leading to the Francis and Kaplan sections of the powerhouse draw water separately and velocities, therefore, were calculated separately for the two sections. The effective area of the trashracks, excluding the piers and abutments, was used to calculate velocity. Maximum calculated velocities at each Project are provided below.

Crescent

The effective gross area of the trashracks at the Crescent intakes, excluding the piers and abutments, and including areas below normal full pool when the flashboards are in place, is 2,405 square feet, with 1,336 square feet of trashracks in front of the Francis intake section and 1,069 square feet in front of the Kaplan intake section. See Figure 6.1.3-1.

With a maximum hydraulic capacity of 3,000 cfs, the section of the intake that leads to the Francis units would exhibit average velocities of 2.25 ft/s at maximum generation. Average velocities for the section of the intake that leads to the Kaplan units, with a maximum hydraulic capacity of 3,640 cfs, would be 3.41 ft/s.

Vischer Ferry

The effective gross area of the trashracks at the Vischer Ferry intakes, excluding the piers and abutments, and including areas below normal full pool when the flashboards are in place, is 2,545 square feet, with 1,414 square feet of trashracks in front of the Francis intake section and 1,131 square feet in front of the Kaplan intake section. See Figure 6.1.3-2.

At a maximum hydraulic capacity of 3,000 cfs, the calculated average velocity of the Francis intake section intake is 2.12 ft/s. Average velocities for the section of the intake that leads to the Kaplan units, with a maximum hydraulic capacity of 3,640 cfs, would be 3.22 ft/s.

6.1.4 Field Survey of Intake Velocities

Field measurements of the intake velocities were performed to confirm the calculated intake velocities. To evaluate representativeness, intake velocities were calculated for each scenario and were compared to the measured velocities.

6.1.4.1 Crescent

Field measurements of intake velocities at the Crescent Project were collected on November 2, 2020. Scenarios evaluated included:

- **Scenario 1**: High Flow with 90% gate and 85% gate on the Francis units and 85% gate on the two Kaplan units. This scenario simulated typical maximum generation (Figure 6.1.4.1-1).
- **Scenario 2**: Moderate Flow with approximately half load on all four units. This scenario simulated typical moderate flow generation (Figure 6.1.4.1-2).

- **Scenario 3**: Low Flow with the two Kaplan units at approximately 50% gate with no generation out of the Francis units. This scenario simulated typical minimum flow generation (Figure 6.1.4.1-3).

Scenario 1

The calculated flow (based on turbine output) through both intake sections combined during Scenario 1 was 5,894 cfs and calculated velocities were 2.20 and 2.77 ft/s for the Francis and Kaplan intake sections, respectively (Table 6.1.4.1-1).

Velocities in front of the Francis intake section averaged 1.35 ft/s with a maximum value of 1.85 ft/s in one location (Table 6.1.4.1-2). Velocities in front of the Kaplan intake section averaged 0.95 ft/s, with a maximum value of 2.90. (Table 6.1.4.1-2). In both locations the average field velocity measurements were lower than the calculated values, whereas the maximum velocity measurements were closer to the calculated velocities. During the field survey, substantial turbulence was observed near the intake structure, which would have affected the readings from the digital flow meter. Turbulence that resulted in flows moving parallel to the trashracks, and also vertically, would have resulted in lower velocity readings than expected for flows moving perpendicular (into) the intake structure. This is a limitation of digital flow meter technology. Though the ADCP is capable of measuring the velocities of flows moving in various directions, it could not be used to measure velocities so close to the trashracks because of magnetic interference and interference of the intake structure within the measurement beam of the instrument.

Scenario 2

The calculated flow (based on turbine output) through both intake sections combined during Scenario 2 was 2,816 cfs and calculated velocities were 1.15 and 1.20 ft/s for the Francis and Kaplan intake sections, respectively (Table 6.1.4.1-1).

Velocities in front of the Francis intake section averaged 0.72 ft/s and reached a maximum of 0.88 ft/s in one location. Measured velocities were generally highest in the top half of the water column (Table 6.1.4.1-2). Velocities in front of the Kaplan intake section averaged 0.18 ft/s and reached 0.49 ft/s (Table 6.1.4.1-2). In both locations field velocities were lower than the calculated velocities, likely for reasons similar to Scenario 1, where eddies and turbulence observed during the survey would have resulted in lower-than-predicted velocity readings.

Scenario 3

The calculated flow (based on turbine output) through both intake sections combined during Scenario 3 was 1,308 cfs and calculated velocities were zero and 1.22 ft/s for the Francis and Kaplan intake sections, respectively (Table 6.1.4.1-1).

Velocities measured in front of the Francis intake section were negligible, as expected given the lack of generation flow passing into that intake section (Table 6.1.4.1-2). Velocities in front of the Kaplan intake section averaged 0.57 ft/s and reached 0.83 ft/s (Table 6.1.4.1-2). Again, these values are slightly lower than the calculated velocities. The reason for this is likely similar to Scenarios 1 and 2, where eddies and turbulence observed during the field survey resulted in lower measured velocities when compared to the calculated velocities.

6.1.4.2 Vischer Ferry

Field measurements of intake velocities at the Vischer Ferry Project were collected on November 3, 2020. Unit 4 (Kaplan) was offline during these field measurements due to repairs. This created atypical generation scenarios, as flow is typically passed through the two Kaplan units before bringing the Francis units online. However, the data are still useful for comparing calculated velocities with those measured at the Project.

- **Scenario 1**: Low Flow with one Kaplan unit at 85% gate with no generation out of the Francis units. This scenario simulated typical minimum flow generation.
- **Scenario 2**: Moderate Flow with one Kaplan unit at 85% gate and one Francis unit at 90% gate. This is not a typical operating scenario, as flow would typically be sent through the two Kaplan units before operating a Francis unit.
- **Scenario 3**: Moderate Flow with one Kaplan unit at 85% gate and both Francis units at 90% gate. This scenario would also be considered atypical. This scenario is representative of partial capacity at the Kaplan intake section and full capacity at the Francis intake section.

Scenario 1

The total flow calculated (based on turbine output) during Scenario 1 was 1,308 cfs and calculated velocities were zero and 1.16 ft/s for the Francis and Kaplan intake sections, respectively (Table 6.1.4.2-1).

Velocities in front of the Francis intake section were negligible, as expected given the lack of generation flow passing to that intake section (Table 6.1.4.2-2). Velocities in front of the Kaplan intake section averaged 1.03 ft/s (Table 6.1.4.2-2), which approximated the calculated velocity.

Scenario 2

The calculated flow (based on turbine output) during Scenario 2 was 2,745 cfs and calculated velocities were 1.02 and 1.16 ft/s for the Francis and Kaplan intake sections, respectively (Table 6.1.4.2-1).

Average velocities in front of the Francis and Kaplan intake sections were both 0.94 ft/s (Table 6.1.4.2-2), which approximated the calculated velocity. Average velocities in front of the Kaplan intake section were similar to Scenario 1, which was expected given the same amount of flow being passed into that section during each scenario.

Scenario 3

The calculated flow (based on turbine output) during Scenario 3 was 3,982 cfs and calculated velocities were 1.89 and 1.16 ft/s for the Francis and Kaplan intake sections, respectively Table 6.1.4.2-1).

Velocities in front of the Francis intake section averaged 1.73 ft/s (Table 6.1.4.2-2), which approximated the calculated velocity. Velocities in front of the Kaplan intake section averaged 1.06 ft/s (Table 6.1.4.2-2), which also approximated the calculated velocity. Average velocities in front of the Kaplan intake section were similar to Scenarios 1 and 2, which was expected given the same amount of flow being passed into that section during each scenario.

6.1.5 Velocities Chosen for Further Analysis

6.1.5.1 Crescent

As indicated in Section 6.1.4.1, measured velocities at the Project intake sections were confounded by turbulent currents and flow vectors that were not perpendicular to the intake, resulting in lower-than-predicted measurements. Therefore, to be conservative to the resource, the calculated velocities for maximum generation were used for the entrainment and impingement analyses.

6.1.5.2 Vischer Ferry

As indicated in Section 6.1.4.2, calculated velocities for the Kaplan and Francis intake sections approximated the measured velocities. Therefore, the calculated maximum velocities were considered to be reasonable estimates and were used for the entrainment and impingement analyses.

6.1.6 EPRI Entrainment Data Relevant to the Crescent and Vischer Ferry Projects

In 1997, EPRI compiled entrainment data from 43 hydroelectric sites. All studies in the database utilized full-flow tailrace netting, which according to EPRI is the most preferred entrainment study methodology as opposed to partial-flow tailrace netting, intake gallery netting, and/or hydroacoustic. The species, number, size of entrained fish, sampling period (hours), and turbine hydraulic capacity (cfs) were documented in the database. Information is available for approximately 140 species and 30 species groups.

The information in the database was reviewed and projects with similar characteristics and fish assemblages compared to the Crescent and Vischer Ferry Projects were identified. Criteria used in selecting specific studies were as follows:

- Geographic location and river basin
- Station and sampled turbine hydraulic capacity
- Trashrack spacing
- Fish assemblage

Using these criteria, the list of entrainment studies selected for relevance to the Project was narrowed to three Projects, all in New York State: Minetto Project, Herrings Project and Feeder Dam. Though each of these projects has characteristics that are applicable to this study, it should be noted that, because each Project setting and configuration is different, the results from the EPRI database were primarily used to generalize the seasonal entrainment potential for the target species and life stages.

Minetto

The Minetto Development (Minetto) is located on the Oswego River in New York. This project has a similar hydraulic capacity (5,400 cfs) to the Crescent and Vischer Ferry Projects. The trashrack spacing at Minetto was 2.5” at the time of sampling, which is narrower than at the Crescent and Vischer Ferry Projects (3 7/8").

To effectively evaluate the seasonal patterns in entrainment using the entrainment data, Catch per Unit Effort (CPUE) was calculated as the number of fish collected per Unit-Hours sampled. The study at Minetto resulted in a total collection of 177,871.8 fish (adjusted for collection efficiency) from approximately 2072 Unit-Hours of sampling (January – December). Catch at Minetto indicated that most fish entrained there were clupeids, primarily Gizzard Shad, but also Alewife and Blueback Herring. Entrainment of clupeids can be a common occurrence at hydroelectric facilities due to their pelagic, migratory, and schooling behaviors.

Most clupeids at Minetto were observed becoming entrained in August, October, November, and December. All of the target species for this study, American Eel (n = 33.2), Blueback Herring (n = 14,844.1) Smallmouth Bass (n = 341.1), Walleye (n = 152.4), and Yellow Perch (n=69.1) were collected at Minetto.

Of the target species observed at Minetto, American Eel had the lowest entrainment rates and were encountered from April to October, peaking in July. The low numbers of eels were likely due to the relatively low population in the watershed, and there did not appear to be a large out-migrating pulse as would be expected from a larger population of maturing eels. Large (length greater than 30") eels accounted for 29.2% of the catch.

Blueback Herring entrainment was highest in the months of October (4.35%) and November (95.61%). Most Blueback Herring entrained were in the 4.1-6" size range (97.3%).

Smallmouth Bass were collected from April to December. The greatest entrainment rates were observed in June, July, and August. Smallmouth Bass in the 6-15" size ranges were entrained from April through October, after which only fish less than 6 inches in length were entrained. The greatest numbers of the largest (10-15") size range observed occurred in June. Overall entrainment of fish smaller than four inches was relatively low.

Entrainment of Walleye was observed in each month from May to October, except for September and was highest in May and June. Most Walleye entrained were in the 10-15" size range.

Yellow Perch were entrained in March, April, May and October. The majority of entrainment occurred during April (64.1%) and May (26.19%). Yellow Perch were entrained in the 2-10" size ranges.

Herrings

The Herrings Project is operated as a run-of-river project at River Mile 27.5 on the Black River, a tributary to Lake Ontario. NYSDEC information on the Black River near the Herrings Development suggests that the fish species encountered there include Walleye, Chain Pickerel, Northern Pike, Smallmouth Bass, Rock Bass, and Yellow Perch.

At the time of sampling, it had a capacity of 3,610 cfs, which is lower than the Crescent and Vischer Ferry Project, but the trashrack spacing was similar (4.125") and the entrainment data included most of the target species at Crescent and Vischer Ferry. Entrainment netting was performed each month from January to November. The study yielded an adjusted collection total of 762 fish during the study in 760.3 Unit-Hours sampled, and no clupeids were present. Banded Killifish (n = 140.5), Chain Pickerel (n = 111.9), and Rock Bass (n = 102) were the most abundant in the entrainment catch, followed by Smallmouth Bass (n = 89.6), Common Shiner (n = 84.1), and Walleye (n = 55.2). One American Eel (length greater than 30") was collected during the entrainment study in August.

Multiple size classes of Walleye were observed in the entrainment catch, up to the 15-20" size class, though numbers were relatively low during most months. Nearly 70% of Walleye during the sampling were collected in July and August. In July, the catch (n = 21.5) was split primarily between juvenile (2-4") and larger (10-15") fish. In August (n = 16.6), most Walleye entrained were small (length less than 6").

Smallmouth Bass were collected in May, July, August, and November, with the majority collected in July (n = 73.3, 81.8%) and ranging in size from 0-2 inches.

Walleye were collected in April-September as well as in November. The majority of Walleye were collected

in July, including some ranging 2-4 inches (n =11.9, 21.6%) and some ranging 10-15 inches (n = 8.4, 15.2%).

Yellow Perch were collected in March-May, July, August, and November in low numbers.

Feeder Dam

The Feeder Dam Project is located on the Hudson River in New York and is operated as a peaking project. It has a maximum hydraulic capacity of 5,000 cfs and trashrack spacing of 2.75 inches. Out of the target species American Eel, Smallmouth Bass, Walleye and Yellow Perch were present at the Feeder Dam Project.

Two American Eel were captured in low numbers and over 30" long. Entrainment occurred in August and September.

Smallmouth Bass were collected in May through September. The majority of Smallmouth Bass were collected in June (n = 45.27, 62.96%) and ranged in size from 2-20 inches in length.

Walleye were collected in May, October, and December in low numbers (n = 7.90, 0%).

Yellow Perch were collected in February through December. The majority of Yellow Perch were collected in May (n = 119.84, 51.1%) including some ranging 2-4 inches (n = 33.29, 27.78%) and some ranging 8.1-10 inches (n = 37.28, 31.11%).

6.1.7 Comparison of Swim Speeds to Intake Velocity

Based on the swim speeds of target fish species as found in the literature when compared to intake velocities, most adult fish would be capable of escaping entrainment if they encountered the intake during maximum generation (Figure 6.1.7-1). Given the swifter velocities in front of the Kaplan intake section at each Project, some species such as Smallmouth Bass and American Eel would need to utilize some of their highest burst speeds to escape entrainment, while other fish may escape more easily. The eddies and slower velocities near the sides of the forebay areas would provide resting places and a zone of passage for fish to swim back upstream out of the forebay and into the impoundment.

Juvenile fish are smaller and do not possess the swimming capabilities of adult fish and would not easily escape entrainment during maximum generation (Figure 6.1.7-2). For example, juvenile Walleye and Smallmouth Bass may be able to escape entrainment in front of the Francis intake section, but not the Kaplan intake section, if either was generating at full capacity. Juvenile Blueback Herring and Yellow Perch would not be able to escape either intake section when all units are generating at maximum capacity.

This comparison is conservative for non-migratory species given that it evaluates the maximum intake velocities that would be expected at the Projects. It does not account for periods of lower generation, which is important to consider based on the frequency of maximum generation and the seasonality of generation magnitudes. However, it would not be considered conservative for migratory species that may be driven to swim downstream and may not attempt to escape entrainment. Each target species is evaluated in greater detail below.

6.1.8 Entrainment Evaluation for Target Species

The EPRI entrainment data allows for the development of patterns that are useful in predicting the potential for entrainment of the target species at the Projects. Results from these data can be applied to the Project and compared with life history and habitat traits from the literature.

American Eel

Though some periodic entrainment of non-migrating American Eel is possible at the Crescent and Vischer Ferry Projects given the relatively general habitat requirements of eel, the primary concern at most facilities is entrainment of large, mature eels during their spawning outmigration. During their outmigration, eels typically select passage routes with the greatest flow and often pass during large spill events. During periods of lower flow, eel will follow dominant flow through turbines (Jansen *et al.*, 2007).

Existing fisheries data for the Project areas suggests that the number of American Eel in the lower Mohawk River in the vicinity of the Projects is very small. Current information on American Eel in the Project areas is summarized in the *Fish Community Study* relicensing report (Power Authority, 2021b).

It is likely that the entrainment potential for eels at the Projects is highly variable depending on river flow and Project operations. During periods of high river flow, when generation accounts for only a portion of the river flow, outmigrating eel may choose a passage route other than the Project intakes. During periods of low to moderate river flow, when generation accounts for most of the flow through the Project turbines, eels would be more likely to choose passage through the turbines and the probability of entrainment would be high for those individuals. Despite capable swim speeds, they may not try and escape entrainment because they are driven to migrate downstream with the flow.

For the same reasons, the potential for eel entrainment varies from year to year and potentially across a given migration season. Eel emigration would likely begin in late summer to early fall (Facey and Van Den Avyle, 1987). Typically, during this time the Projects would be experiencing low flows, with the majority of the flows being passed through one or two of the Kaplan units. As flows increase later in the fall, there would be greater likelihood of operating the Francis units along with the Kaplans. Additionally, the higher flow into the intake area could result in more eels choosing to pass downstream through the turbines.

Blueback Herring

The obligate migratory lifecycle of the anadromous Blueback Herring creates a moderate to high probability of adults and juveniles encountering the Project intakes during outmigration generation at the Crescent and Vischer Ferry Projects. As with eel, studies have shown that outmigrating Blueback Herring tend to follow flow, and that the portion of fish passing through the powerhouses is likely to vary with the portion of river flow being used for generation.

Adult Blueback Herring have the greatest likelihood to exposure to the intakes at Crescent and Vischer Ferry in May-June as post-spawn herring migrate downstream to return to marine habitat. Adult out-migrating Blueback Herring would easily be able to avoid involuntary entrainment based on prolonged and burst speed estimates that are greater than the Projects intake velocities, though they may not attempt to escape given their drive to migrate downstream. Juvenile Blueback Herring have the greatest likelihood to exposure to the intakes at Crescent and Vischer Ferry from September into November when they emigrate from freshwater habitats. Juvenile Blueback Herring are potentially incapable of avoiding entrainment at the Project due to their relatively limited swim speeds and size relative to the existing trash rack spacing

and may also not attempt to avoid entrainment during emigration. However, out-migrating alosines are generally surface-oriented as evidenced by their affinity for passing downstream of hydroelectric projects via overflow spillways or bypasses. This behavior may reduce the overall entrainment at the Crescent and Vischer Ferry Projects if they become attracted to the notched sections in the flashboards.

At the Crescent and Vischer Ferry Projects, a significant portion of Blueback Herring are diverted away from the powerhouses by the acoustic fish deterrent systems that are already in place. The Power Authority conducted initial feasibility and effectiveness testing of the acoustic deterrent system at the Projects from 1996-1998. Subsequent testing occurred at Crescent in 2009 and 2012 (Kleinschmidt, 2009; NAI, 2012). Results at both sites indicated a high level of success in guiding downstream migrating Blueback Herring.

Testing at Vischer Ferry indicated that the downstream migration pattern of Blueback Herring was such that they followed the deeper parts of the river channel along the western side of the river and avoided the relatively shallow, spoil deposit area just upstream of the turbine intake area. To reach the intake area, Blueback Herring follow the deeper, relatively narrow channel along the dam. Monitoring indicated that this behavior coupled with providing an opening in the flashboards to act as a bypass successfully diverted a large portion (greater than 90%) of juvenile Blueback Herring from entering the headrace area. Addition of the acoustic deterrent system substantially increased the percentage of Blueback Herring using the bypass. Of the Blueback Herring not initially diverted to the bypass, the acoustic deterrent system reduced the number of Blueback Herring entering the headrace by 77% (Ross, 1999). Additional evaluation of the data for adults indicated similar results with an estimated effectiveness of 96% (Ross, 2002). These tests also identified the separate bypass locations for adult and juvenile Blueback Herring.

Initial testing at Crescent indicated mixed results with substantially better effectiveness being estimated for juvenile Blueback Herring (Ross, 1999). During these tests however, the bypass was located on Dam B which is in the western channel (i.e. the Project's intake channel). In 2008, the deterrent system at the Crescent Project was moved from the forebay area into the secondary channel (i.e., western) upstream that leads to the Project forebay, to divert fish toward the main navigation channel (i.e., towards Waterford Flight) of the riverine impoundment. Hydroacoustic studies found that the percentage of fish upstream of the ultrasound field that passed downstream through the main channel was three times greater than expected based on the relative water volume between the main and secondary channels (Dunning and Gurshin, 2012). Additionally, the number of fish entering the secondary channel was reduced by 23%.

The acoustic system was reconfigured in 2010 by re-aiming the four westerly ultrasonic projectors upriver at 45 degrees toward the main channel. They were previously situated back-to-back and aimed across the intake channel, perpendicular to flow. The new orientation extended the effective range of the projectors further upriver and providing fish with more time to react to the sound gradient prior to reaching the intake channel. The effectiveness of the reconfigured system was evaluated in 2012 using three methods; pelagic trawls, mobile acoustic monitoring, and fixed-location acoustic monitoring (NAI 2012). All three methods indicated that the acoustic deterrent system was highly effective. Pelagic trawl efforts in the downstream area resulted in a catch per unit of effort (CPUE) that was 94% of the CPUE in the area upstream of the acoustic deterrent system and 250% of the CPUE in the intake channel. Likewise, mobile acoustic surveys indicated that total abundance averaged 35 times higher in the downstream area than the intake channel and averaged 91% of their sum. Fixed-location acoustic monitors yielded the lowest estimate of effectiveness between the three methods at 76% (NAI 2012).

Taken as a whole, the studies demonstrate that the acoustic arrays are very effective at diverting a significant portion of Blueback Herring juveniles and adults away from the powerhouse intakes and toward

the bypasses. The Power Authority is conducting a desktop study on the downstream migration survival of both juvenile and post-spawning adult Blueback Herring. As a separate relicensing study for the Projects, it consists of a literature review of relevant studies, consultations with fisheries professionals with site specific knowledge, as well as Blueback Herring researchers. A model was developed to estimate downstream passage survival for multiple migratory routes under a variety of scenarios including river flows and the effectiveness of the acoustic deterrent system. More detailed analyses regarding Blueback Herring survival when passing through the Projects are provided in the *Blueback Herring Downstream Migration Study Report* (Power Authority, 2021a).

Smallmouth Bass

Smallmouth Bass are often prevalent in impounded, riverine systems, and were documented as becoming entrained at each of the EPRI case-study projects evaluated. The EPRI studies showed that entrainment of small, juvenile bass tended to occur during mid-summer, whereas the larger fish observed in the collections at most projects was in the late spring and early summer. These peaks in entrainment for the different size classes of fish may be related to movements for fish seeking different habitats such as post-spawn movements of adults or dispersal of juveniles to rearing areas, and these patterns may occur at the Crescent and Vischer Ferry Projects. As a cover-oriented species, Smallmouth Bass also likely utilize the areas just upstream of the forebay for holding and feeding due to the presence of moderate current and shoreline cover. Adult and juvenile Smallmouth Bass therefore have a moderate probability of encountering the intake during generation at the Projects but would likely be able to escape intake velocities.

Walleye

Walleye were collected in the entrainment samples of each of the EPRI case-study projects evaluated, though the timing of peaks in entrainment varied among projects. The peak of entrainment at Minetto for Walleye in May/June may have resulted from a period of post-spawning movements and/or increased activity for Walleye at that time. Because spawning habitat is not in the vicinity of the intakes, entrainment of spawning adults should not be a concern. At some of the other projects, juvenile Walleye tended to be entrained in the mid-summer. Given the Walleye's nocturnal tendencies and a preference for cover during the day, the greatest likelihood of encountering the intake during generation at the Crescent and Vischer Ferry Projects would be during the night when the fish are most active. Given the highly seasonal and diurnal movement patterns, the probability of encountering the intake during generation at the Projects is low for adult Walleye. It is also low for juvenile Walleye due to lower seasonal flow and lower typical intake velocities in July.

Yellow Perch

Yellow Perch were collected in the entrainment samples of each of the EPRI case-study projects evaluated, with both adult and juvenile sizes entrained. This species was often documented as entrained in higher numbers and in more months than other target species evaluated here. Yellow perch would have a moderate potential of encountering the intakes during generation.

Table 6.1.4.1-1: Field Scenarios Evaluated at the Crescent Project

Scenario	Calculated Flow (cfs)			Calculated Velocity (ft/s)	
	Total Flow	Francis Intake Section	Kaplan Intake Section	Francis Intake Section	Kaplan Intake Section
1	5,894	2,936	2,597	2.20	2.77
2	2,816	1,537	1,279	1.15	1.20
3	1,308	0	1,308	0.00	1.22

Table 6.1.4.1-2: Velocity Measurements for Field Scenarios at the Crescent Intake Trashrack Sections

Scenario	Depth (ft)	Francis Intake Section		Kaplan Intake Section		Average Velocity (ft/s)		Maximum Velocity (ft/s)	
		Velocities (ft/s) at Station (ft from right end of intake)				Francis Intake Section	Kaplan Intake Section	Francis Intake Section	Kaplan Intake Section
		20	60	95	135				
1	2	1.40	1.55	1.10	-0.60	1.35	0.95	1.85	2.90
	6.5	-	-	-	0.70				
	10	1.85	1.30	1.04	0.96				
	13	-	1.30	0.66	2.90				
	16	1.30	-	0.80	-				
	18	-	0.51	-	-				
	20	1.60	-	-	-				
	Average	1.54	1.17	0.90	0.99				
2	2	0.83	0.78	0.17	-0.20	0.72	0.18	0.88	0.49
	10	0.88	0.77	0.30	0.13				
	16	0.67	0.67	0.20	0.49				
	20	0.64	0.54	0.25	0.10				
	Average	0.76	0.69	0.23	0.13				
3	2	0.00	-0.03	0.27	0.30	-0.04	0.57	0.01	0.83
	10	0.00	0.01	0.72	0.83				
	16	-0.02	-0.03	0.67	0.56				
	20	-0.07	-0.16	0.79	0.40				
	Average	-0.02	-0.05	0.61	0.52				

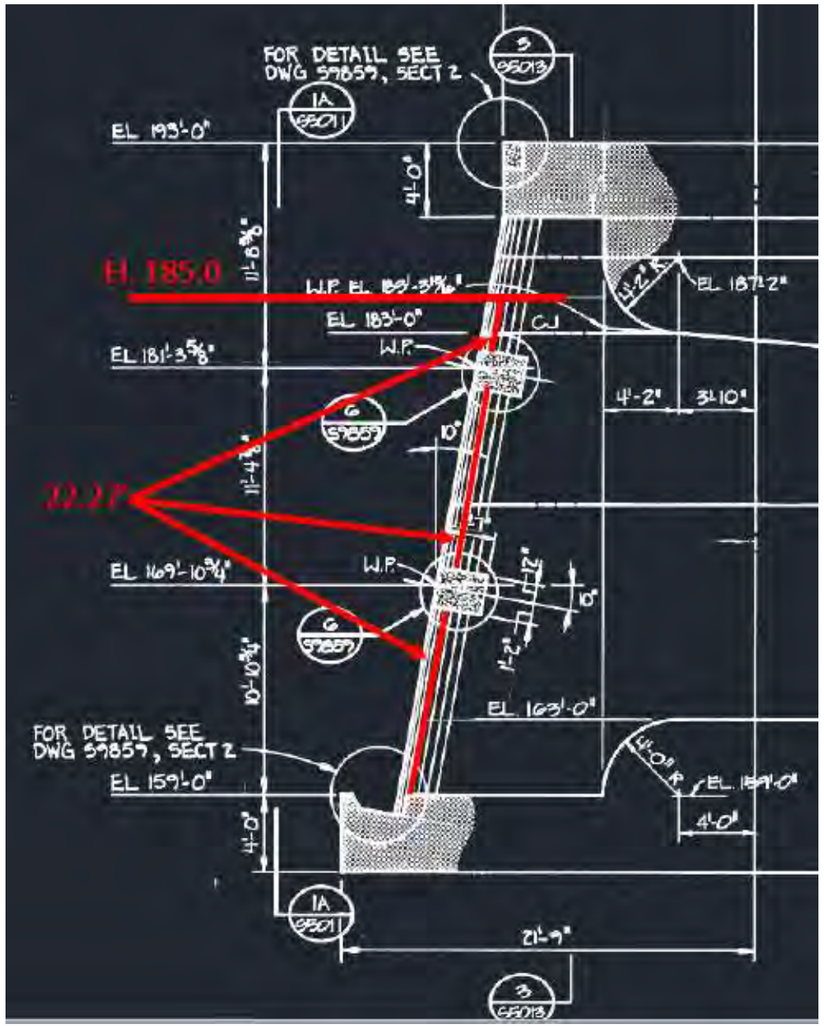
Table 6.1.4.2-1: Field Scenarios Evaluated at the Vischer Ferry Project

Scenario	Calculated Flow (cfs)			Calculated Velocity (ft/s)	
	Total Flow	Francis Intake Section	Kaplan Intake Section	Francis Intake Section	Kaplan Intake Section
1	1,308	0	1,308	0.00	1.16
2	2,745	1,437	1,308	1.02	1.16
3	3,982	2,674	1,308	1.89	1.16

Table 6.1.4.2-2: Velocity Measurements for Field Scenarios at the Vischer Ferry Intake Trashrack Sections

Scenario	Depth (ft)	Francis Intake Section		Kaplan Intake Section		Average Velocity (ft/s)		Maximum Velocity (ft/s)	
		Velocities (ft/s) at Station (ft from right end of intake)				Francis Intake Section	Kaplan Intake Section	Francis Intake Section	Kaplan Intake Section
		25	65	110	156				
1	2	0.08	-0.03	1.56	0.20	0.00	1.03	0.08	3.00
	10	0.00	-0.04	2.50	0.00				
	16	-0.05	0.00	3.00	-0.08				
	20	0.00	0.01	-	0.00				
	Average	0.01	-0.02	2.35	0.03				
2	2	0.13	2.40	1.50	0.10	0.94	0.94	2.40	2.70
	10	0.20	1.95	2.30	0.00				
	16	0.00	1.40	2.70	0.01				
	20	-0.20	1.60	-	-0.02				
	Average	0.03	1.84	2.17	0.02				
3	2	1.85	2.30	1.70	0.10	1.73	1.06	2.30	3.10
	6	1.90	-	-	-				
	10	-	2.30	3.10	-0.20				
	12	0.50	-	-	-				
	13	-	-	2.80	-				
	14	-	1.55	-	-				
	16	-	-	-	-0.20				
	20	-	-	-	0.10				
	Average	1.42	2.05	2.53	-0.05				

Figure 6.1.3-1: Crescent Intake Drawings (Excluding Piers and Abutments)



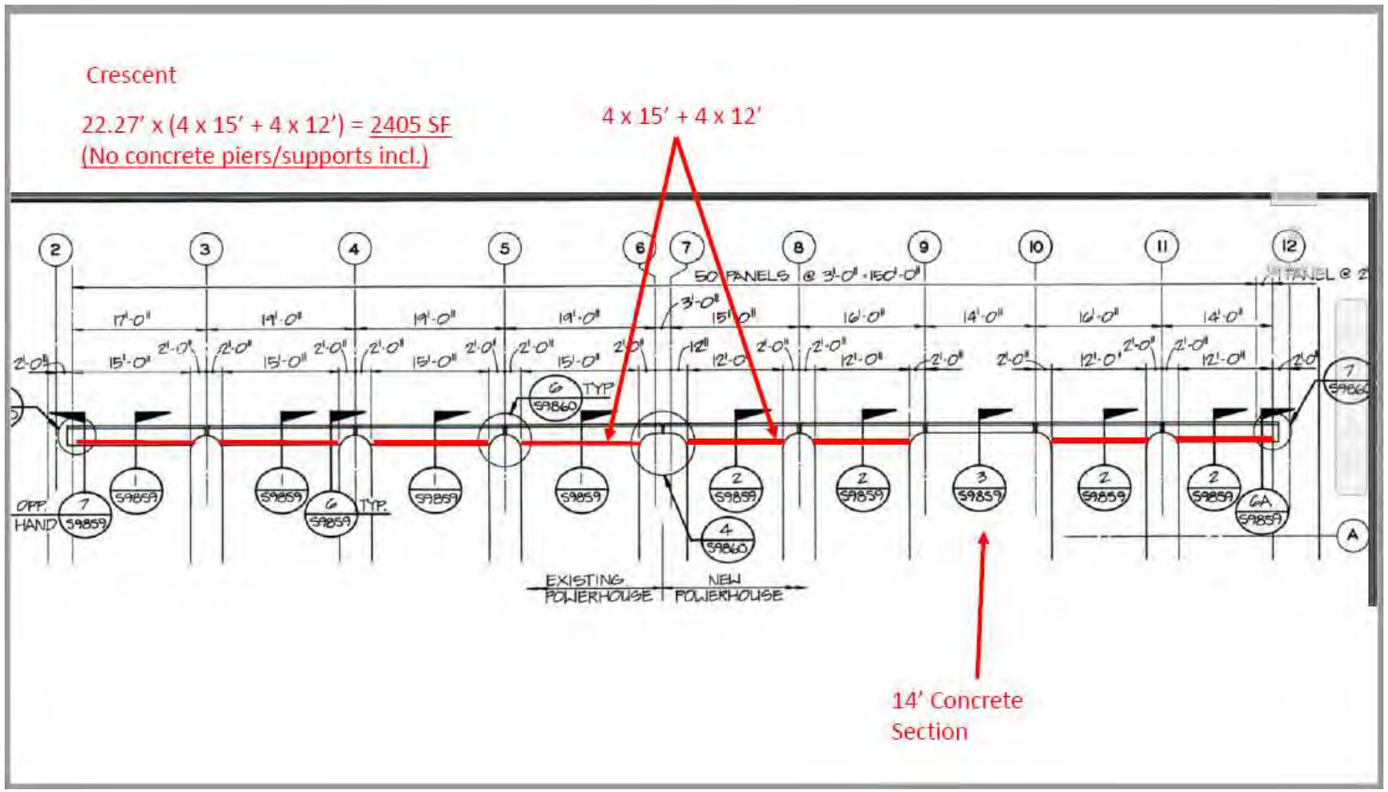
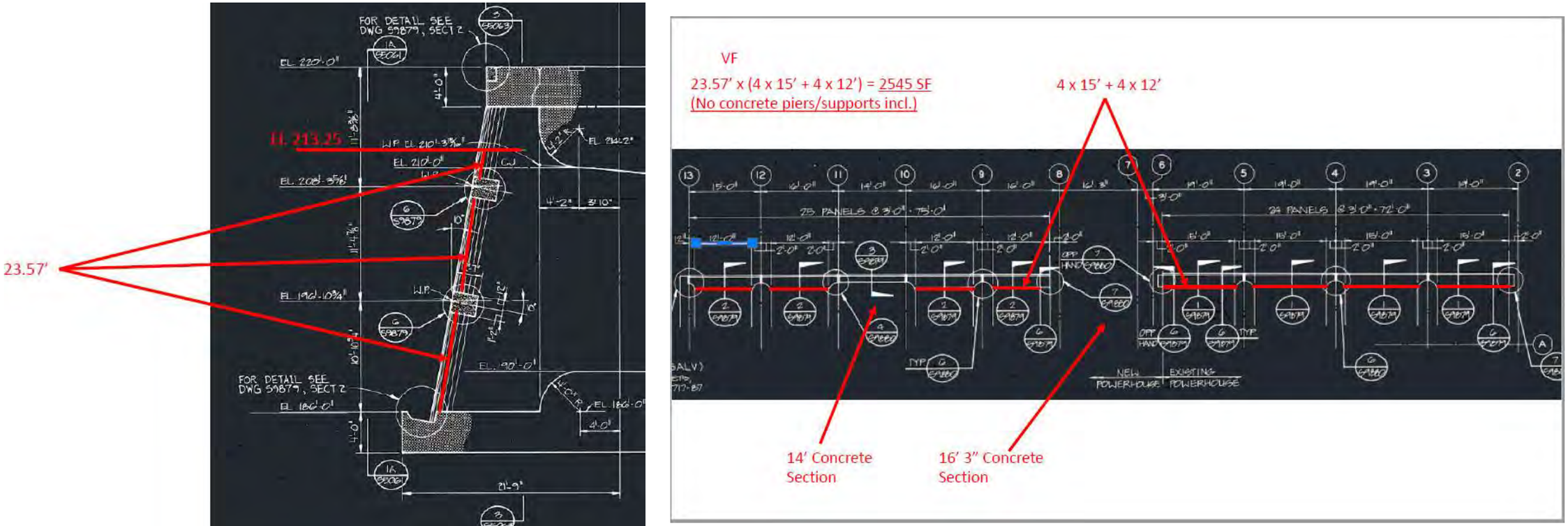
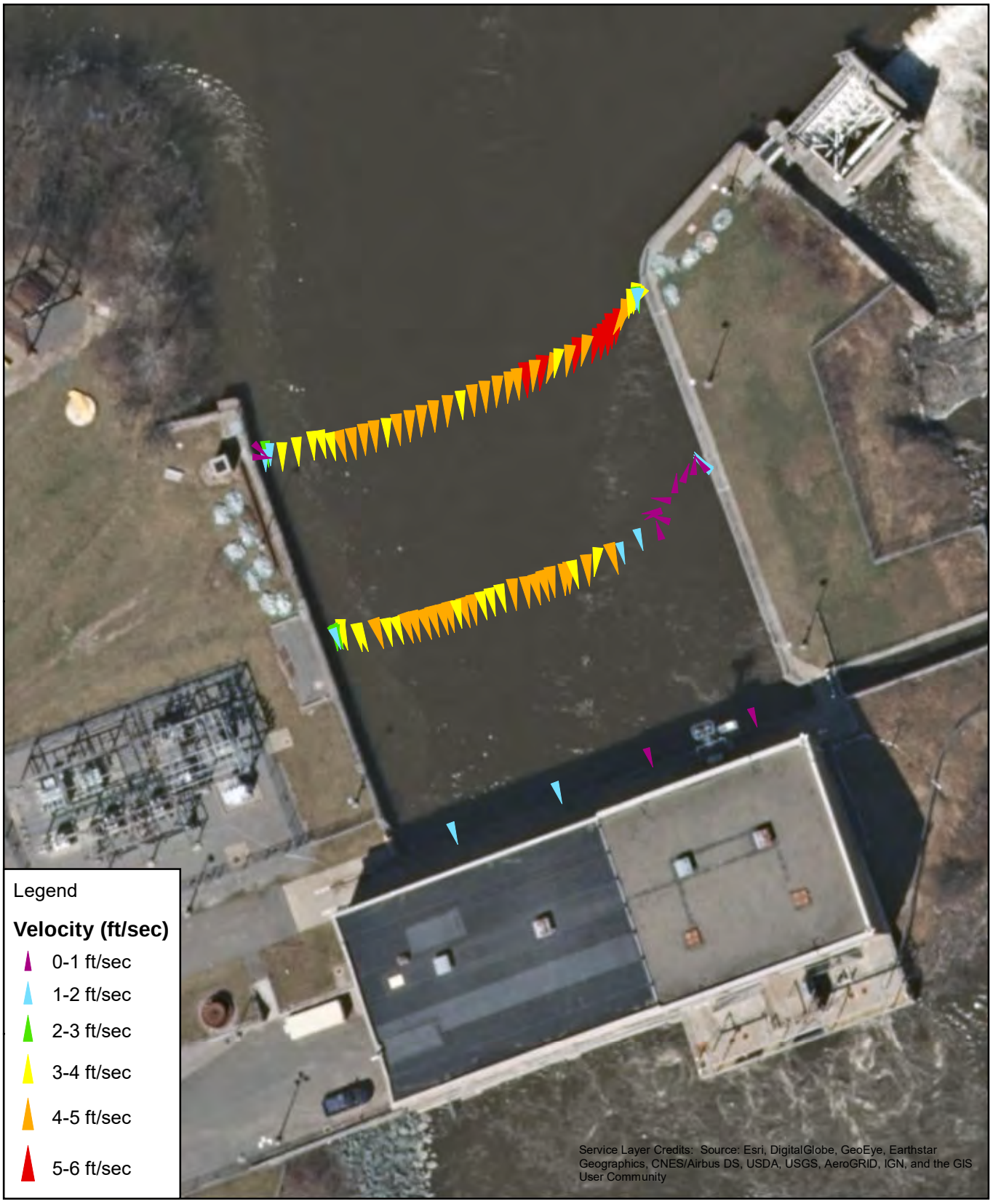


Figure 6.1.3-2: Vischer Ferry Intake Drawings (Excluding Piers and Abutments)





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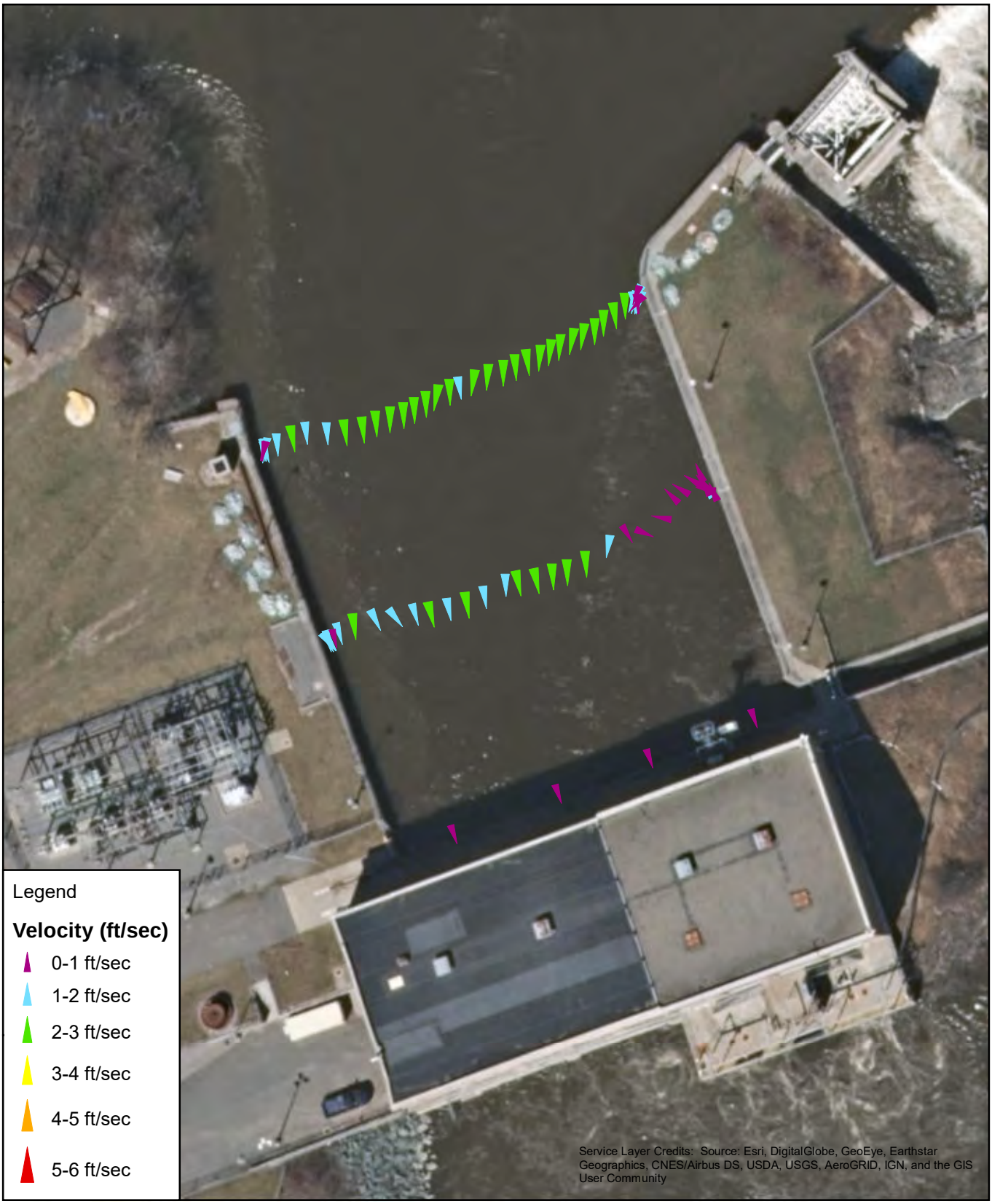
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Figure 6.1.4.1-1:
Mean Water Column Velocity Data Collected in the Crescent Forebay During Full Generation of all Four Units

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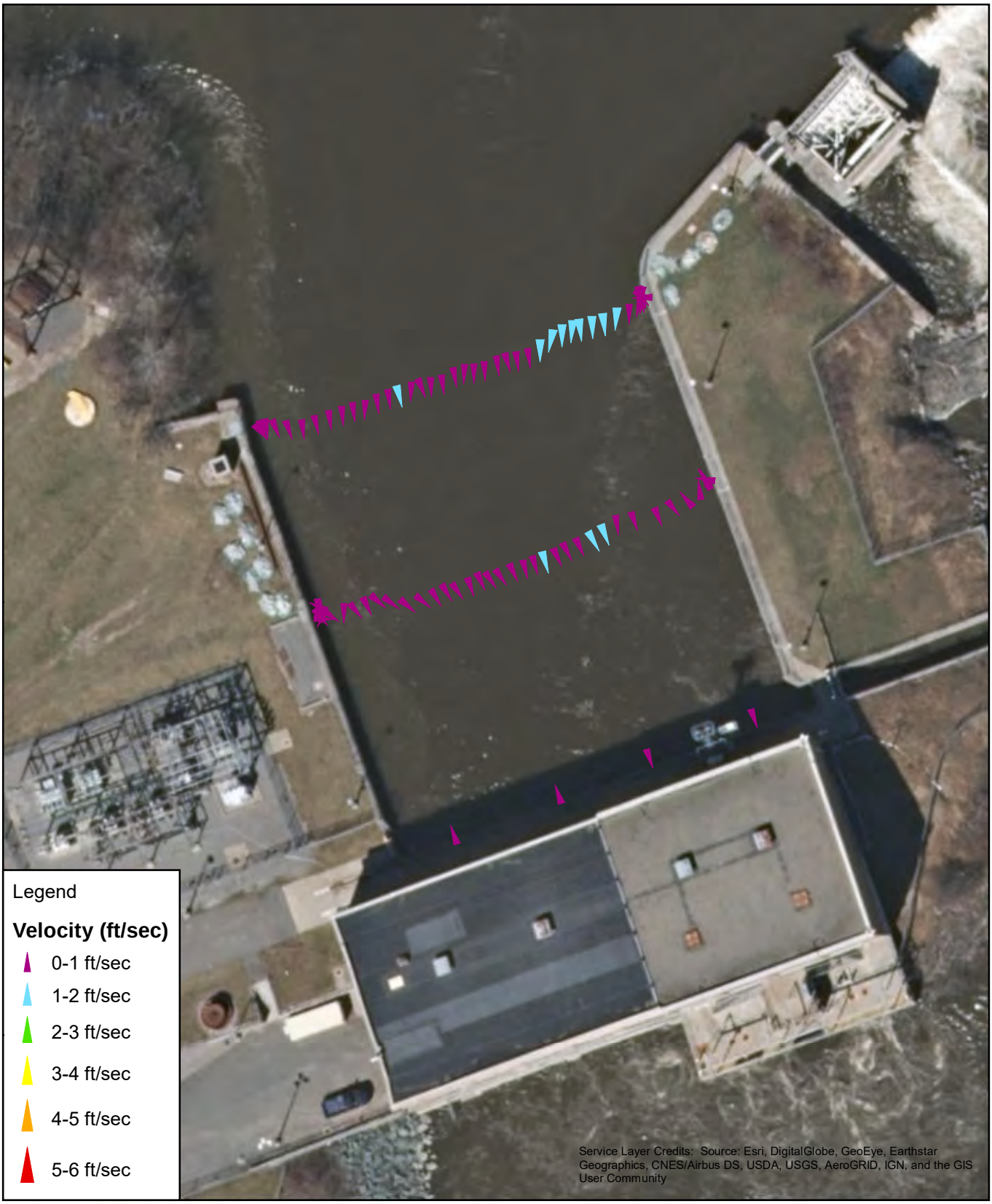
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Figure 6.1.4.1-2: :
Mean Water Column Velocity Data Collected in the Crescent Forebay During Half Load on all Four Units

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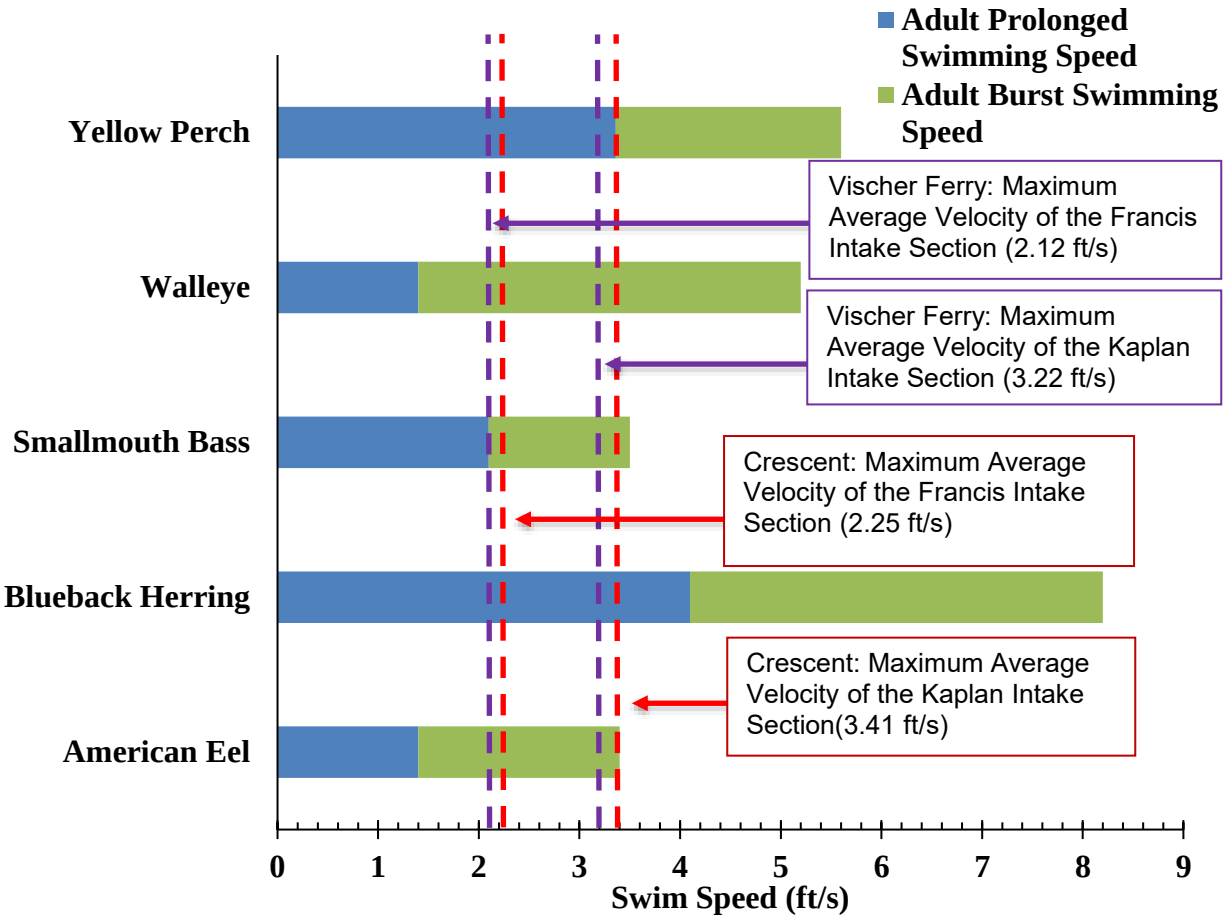
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Figure 6.1.4.1-3:
Mean Water Column Velocity Data Collected in the Crescent Forebay During Half Load on the Kaplan Units

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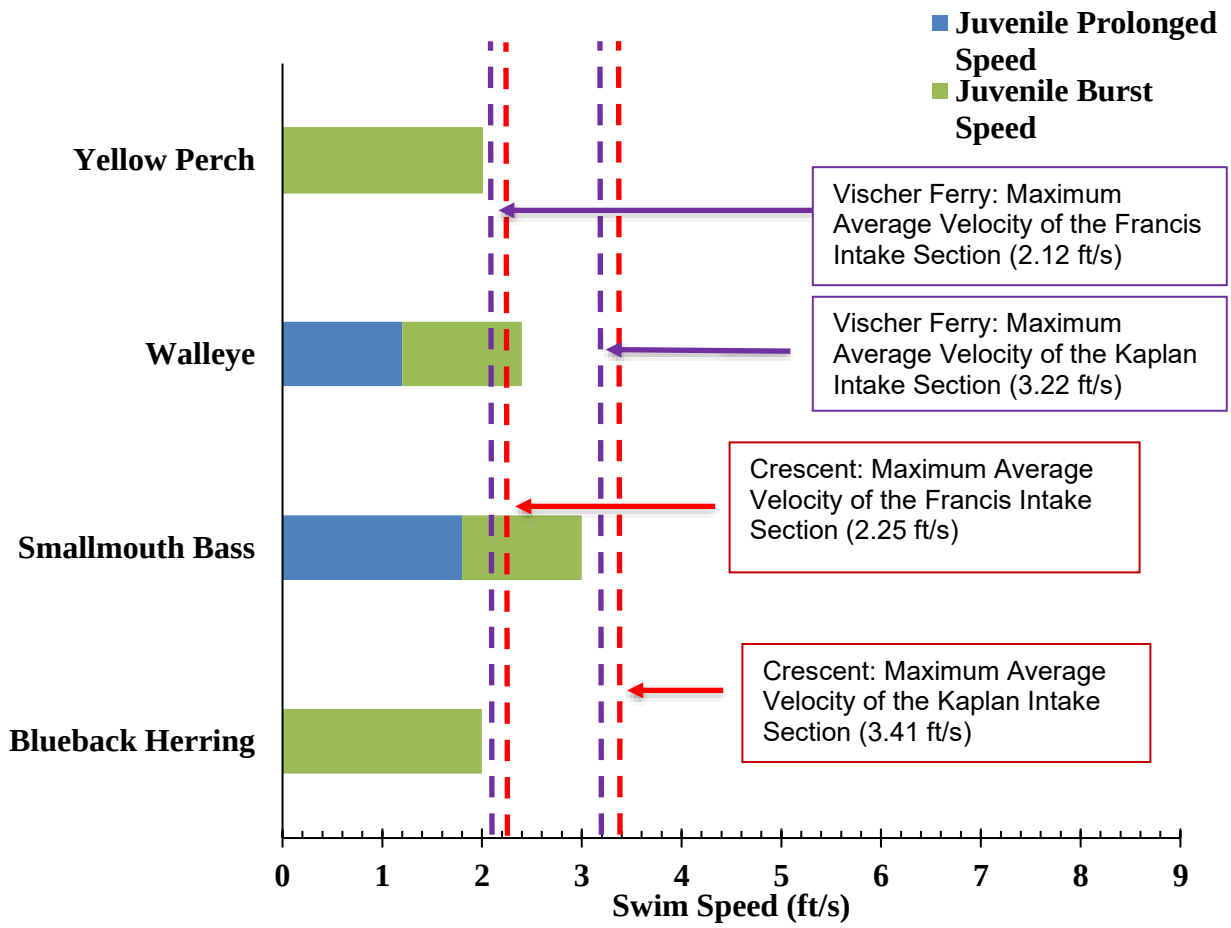
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Figure 6.1.7-1: Comparison of Adult Fish Swim Speeds to Maximum Intake Velocities



Note: The intake velocities depicted were calculated based on maximum generation flowing through a given intake section at each Project. Actual velocities at the Project trashracks depend on the amount of flow passing into the intakes, which will most often be lower than the maximum capacity of the intake section.

Figure 6.1.7-2: Comparison of Juvenile Fish Swim Speeds to Maximum Intake Velocities



Note: The intake velocities depicted were calculated based on maximum generation flowing through a given intake section at each Project. Actual velocities at the Project trashracks depend on the amount of flow passing into the intakes, which will most often be lower than the maximum capacity of the intake section.

6.2 Survival

6.2.1 Impingement

Under the existing conditions of 3-7/8" spaced trashracks at both Crescent and Vischer Ferry, most individuals of all of the fish species evaluated for this study would physically fit through the trashracks and thus would not be susceptible to impingement (Table 6.2.1-1). Only an exceptionally large adult Walleye would be large enough to become impinged, but the same fish would also possess the swim speeds necessary to escape and avoid impingement. Therefore, impingement with the current rack spacing would not be an issue for the target species.

6.2.2 EPRI Data

Winchell *et al.,* (2000) summarized turbine passage survival data reported in the EPRI (1997) database by turbine type and characteristics and fish size. To estimate survival of fish that may be entrained and passed through the turbines at the Project, survival studies conducted at hydro facilities with similar turbine types were examined. The survival rates reported were based on field tests at sites with vertical-flow (Francis and Kaplan) turbines per size class of test fish that met specific acceptability criteria for control fish mortality (could not exceed 10%).

Data are reproduced herein for low speed (less than 250 rpm) Francis vertical type turbines to examine general trends (Table 6.2.2-1). The survival rates are reported for all species combined, irrespective of local site conditions. The survival trend among the reviewed studies of turbines was higher survival for a variety of size classes of fish. Based on survival tests of fish less than 7.9 inches in length through low speed radial-flow turbines in the EPRI database, mean immediate survival estimates ranged between 91.6 and 93.9% and mean 48-hr survival ranged from 87.8 to 90.4%. Immediate and 48-hr survival estimates are similar for fish larger than 7.8 inches in length when passed through low speed radial-flow turbines. Mean immediate survival rates of larger fish tested with low-speed turbines ranged between 73.2 and 86.9%. The mean average 48-hr survival rates ranged between 66.8 and 80.4% (Table 6.2.2-1).

Data are reproduced herein for low speed (less than 300 rpm) Kaplan vertical type turbines to examine general trends (Table 6.2.2-2). The survival rates are reported for all species combined, irrespective of local site conditions. The survival trend among the reviewed studies of turbines was higher survival for a variety of size classes of fish. Based on survival tests of fish less than 7.9 inches in length through low speed axial-flow turbines in the EPRI database, mean immediate survival estimates ranged between 94.8 and 95.4% and mean 48-hr survival ranged from 84.9 to 93.4%. Immediate and 48-hr survival estimates are similar for fish larger than 7.8 inches in length when passed through low speed axial-flow turbines. Mean immediate survival rates of larger fish tested with low-speed turbines ranged between 87.2 and 93.4%. The mean average 48-hr survival rates ranged between 83.9 and 89.5% (Table 6.2.2-1).

6.2.3 Turbine Blade Strike Analysis

Calculated estimates of turbine passage survival performed by the Department of Energy (DOE) (Franke *et al.,* 1997) were used to estimate the survival rate using a blade-strike model. Application of the Franke blade-strike model to the Crescent and Vischer Ferry Projects showed similar results for each Project, which is expected given the identical turbines and a similar project configuration (Table 6.2.2.1-1). Survival of small fish (length less than or equal to 3") was high for both the Francis and Kaplan units (above 93%). However, passage of larger fish through the Project turbines would result in greater survival through the Kaplan units relative to the Francis units. For example, the survival probability for a 12-inch-long fish is

88.8% for the Kaplan units and 73-74% for the Francis units (Table 6.2.2.1-1). This difference becomes more prominent with increasing fish size, similar to the findings of Winchell *et al.,* (2000).

6.2.4 American Eel Survival Studies

Though emigrating adult American Eels are relatively long, which would suggest high probabilities of blade strike and lower survival when compared to most other fish that can fit through the Project trashracks (e.g. 33-34% survival through Francis and 71% through Kaplans for a 30-inch fish), actual turbine passage studies suggest higher survival rates than would be expected based on turbine blade strike analyses.

Migrating silver eels can experience greater rates of turbine entrainment injury and mortality than most other fish species due to their length. Survival rates for eel are generally lower when passed through Kaplan turbines than through Francis turbines. Mechanical strike appears to be the primary source of damage to eels passing through turbines.

Field estimates of turbine-induced injury and passage survival of American Eel were summarized in EPRI (2001) and are described as follows. Turbine testing with approximately 35-inch-long eels at the Beauharnois Generating Station (St. Lawrence River) led to a survival rate, after 48 hours, of 76.1% for a propeller turbine. A comparable turbine passage survival of 73.5% (48-hour) was observed for similar sized eels passed through a propeller type turbine at the St. Lawrence-FDR project (Power Authority, 1998). Turbine survival testing at relatively low-capacity hydroelectric projects on Lake Ontario tributaries revealed larger differences between propeller-type and Francis turbines. Turbine entrainment survival (48-hour) for 19.7 – 29.5-inch eels passed through a vertical propeller turbine at Raymondville (Lower Raquette River, New York) was 63%. In contrast, turbine entrainment survival (48-hour) for similar sized eels tested at a vertical Francis unit at Minetto (Oswego River, New York) was 94% (Niagara Mohawk, 1995 In: EPRI, 1997).

Recent field turbine survival studies of American Eel were conducted on the Connecticut River in Vermont and Massachusetts. The estimated 48-hour survival values ranged from 62% (Wilder Unit 2 – Kaplan unit) to 98 % (Bellows Falls Unit 2 – Francis unit) (NAI, 2016). Heisey *et al.,* (2019) performed tag-recapture studies on American Eels passed through Francis turbines with similar characteristics (number of blades, runner diameter, and discharge) as the Crescent and Vischer Ferry Francis turbines. Heisey *et al.,* (2019) documented that survival estimates were greater than or equal to 90% (90-98.0%) for both one-hour and 48-hour survival. Primary injuries were bruises to the body, and none of the eels passed through the Francis turbines were severed or nearly severed (NAI, 2016). It was theorized in Heisey *et al.,* (2019) that the eels may be able to ball up or wrap around the blades, as the Francis turbine blades are generally rounder and thicker on the leading edges, and that could account for the lack of severance-type injuries and overall higher survival through Francis turbines.

6.2.5 Blueback Herring

In the 1984 License Orders for the Projects, FERC determined that it was possible for the Crescent Project to affect the downstream passage of Blueback Herring, but that sufficient information was not available to make a determination. Article 40 required the Licensee to consult with resource agencies and to conduct a study to determine the impacts of the operation on fish migration and potential mitigation to offset these impacts. Studies performed at the Projects in the 1980s documented many juvenile Blueback Herring were migrating through the Vischer Ferry powerhouse during their downstream migration, but were also utilizing the lock system and passing via spill (Chas. T. Main, Inc., 1984; Curtis and Associates, 1987). These studies also documented the seasonal and diel movements of juvenile herring in the Project areas.

Specifically, that juvenile herring migrations typically migrated between late September and early November, peaking in October, and that diel migration peaks occurred between 6:00am and 12:00pm and again between 5:00pm and 7:00pm.

In 1991, a juvenile Blueback Herring turbine passage survival study conducted at the Crescent Project documented 48-hour survival of 96±6.7% (90% confidence interval) through a Kaplan turbine and 88.3±10.7% (90% confidence interval) over the spillway (RMC Environmental Services, 1992, *Mathur et al.*, 1996). Since the turbines at the Vischer Ferry Project are nearly identical to those at Crescent, turbine passage survival rates for juvenile Blueback Herring at Vischer Ferry are likely the same as those determined for the Crescent Project.

The Power Authority is conducting a desktop study on the downstream migration survival of both juvenile and post-spawning adult Blueback Herring and the effectiveness of the acoustic deterrent system at the Project's intakes. A model was developed to estimate downstream passage survival for multiple migratory routes under a variety of scenarios including river flows and the effectiveness of the acoustic deterrent system. More detailed analyses regarding Blueback Herring survival when passing through the Projects are provided in the *Blueback Herring Downstream Migration Study Report* (Power Authority, 2021a). Estimates of total station downstream passage survival for adult and juvenile Blueback Herring for most months and under most river flow conditions range between 85-98%.

Table 6.2.1-1. Minimum Length of Target Fish Species Excluded from Trashrack Configurations of the Crescent and Vischer Ferry Projects

Common Name	Scaling Factor for Body Width	Minimum Length Excluded (inches)	Lengths from Literature (inches)		Size of Fish (total length, inches) excluded by existing trashracks
		3 7/8 inch Clear Spacing	Adult		
			Typical	Maximum	
American Eel	0.040	96.9	Males: 14 – 16.5[6] Females: 17 – 26[6]	59.8[5]	No fish of any size excluded
Blueback Herring	0.130	29.8	7.9 – 11.4[4]	15[1]	No fish of any size excluded
Smallmouth Bass	0.128	30.3	8 - 15[3]	20.5[2]	No fish of any size excluded
Walleye	0.125	31.0	13 – 20[3]	32[2]	Very large individuals (length = 31"+)
Yellow Perch	0.114	34.0	10 - 12[1]	15[2]	No fish of any size excluded

[1] Source: Smith 1985
[2] Source: NYSDEC 2018
[3] Source: Scott and Crossman 1973
[4] Source: LFHA 1992
[5] Source: USFWS 2020
[6] Source: Solomon and Beach 2004

Table 6.2.2-1: Average Immediate and 48-hour Fish Survival Rates for Radial-Flow (Francis) Turbine Types by Size Class from EPRI Database.

Turbine Type	Runner Speed (rpm)	Hydraulic Capacity (cfs)	Fish Size (inches)	Average Immediate Survival (all species combined)			
				***N*[1]**	***Minimum (%)***	***Maximum (%)***	***Mean (%)***
Radial-Flow (Francis)	less than 250	440-1,600	less than 3.9	13	85.9%	100.3%	93.9%
		370-1,600	3.9-7.8	19	74.8%	100.0%	91.6%
		370-2,450	7.9-11.8	18	59.0%	100.0%	86.9%
		440-1,600	11.8+	14	36.1%	100.0%	73.2%
Turbine Type	**Runner Speed (rpm)**	**Hydraulic Capacity (cfs)**	**Fish Size (inches)**	**Average 48-Hour Survival (all species combined)**			
				***N*[1]**	***Minimum (%)***	***Maximum (%)***	***Mean (%)***
Radial-Flow (Francis)	less than 250	440-1,600	less than 3.9	11	80.9%	101.1%	90.4%
		370-1,600	3.9-7.8	17	73.7%	101.8%	87.8%
		370-2,450	7.9-11.8	15	47.4%	96.4%	80.4%
		440-1,600	11.8+	13	33.8%	94.1%	66.8%

Source: Winchell *et al.* 2000.
Notes: [1] Number of turbine studies for which survival estimates are available.

Table 6.2.2-2: Average Immediate and 48-hour Fish Survival Rates for Axial-Flow (Kaplan) Turbine Types by Size Class from EPRI Database.

Turbine Type	Runner Speed (rpm)	Hydraulic Capacity (cfs)	Fish Size (inches)	Average Immediate Survival (all species combined)			
				***N*[1]**	***Minimum (%)***	***Maximum (%)***	***Mean (%)***
Axial-flow (Kaplan)	less than 300	636-1,203	less than 3.9	3	94.1	98.0	95.4
		636-21,000	3.9-7.8	10	89.8	97.5	94.8
		636-2,200	7.9-11.8	5	77.4	97.4	87.2
		636-2,200	11.8+	2	86.8	100.0	93.4
Turbine Type	**Runner Speed (rpm)**	**Hydraulic Capacity (cfs)**	**Fish Size (inches)**	**Average 48-Hour Survival (all species combined)**			
				***N*[1]**	***Minimum (%)***	***Maximum (%)***	***Mean (%)***
Axial-flow (Kaplan)	less than 300	636	less than 3.9	1	84.9	84.9	84.9
		636-21,000	3.9-7.8	8	89.8	97.2	93.4
		636-2,200	7.9-11.8	4	77.4	86.4	83.9
		1,203-2,200	11.8+	2	79.0	100.0	89.5

Source: Winchell *et al.*, 2000.
Notes: [1] Number of turbine studies for which survival estimates are available.

Table 6.2.2.1-1: Calculated (Franke Model) Turbine Blade Strike Survival for Francis and Kaplan Turbines at the Crescent and Vischer Ferry Projects.

Length of Fish (inches)	Crescent		Vischer Ferry	
	Francis	Kaplan	Francis	Kaplan
1	97.81%	99.07%	97.78%	99.07%
2	95.62%	98.13%	95.56%	98.13%
3	93.43%	97.20%	93.34%	97.20%
4	91.24%	96.26%	91.13%	96.26%
5	89.05%	95.33%	88.91%	95.33%
6	86.86%	94.40%	86.69%	94.40%
7	84.68%	93.46%	84.47%	93.46%
8	82.49%	92.53%	82.25%	92.53%
9	80.30%	91.59%	80.03%	91.59%
10	78.11%	90.66%	77.81%	90.66%
11	75.92%	89.72%	75.60%	89.73%
12	73.73%	88.79%	73.38%	88.79%
13	71.54%	87.86%	71.16%	87.86%
14	69.35%	86.92%	68.94%	86.92%
15	67.16%	85.99%	66.72%	85.99%
16	64.97%	85.05%	64.50%	85.06%
17	62.78%	84.12%	62.28%	84.12%
18	60.59%	83.19%	60.07%	83.19%
19	58.40%	82.25%	57.85%	82.25%
20	56.21%	81.32%	55.63%	81.32%
21	54.03%	80.38%	53.41%	80.39%
22	51.84%	79.45%	51.19%	79.45%
23	49.65%	78.51%	48.97%	78.52%
24	47.46%	77.58%	46.75%	77.58%
25	45.27%	76.65%	44.54%	76.65%
26	43.08%	75.71%	42.32%	75.72%
27	40.89%	74.78%	40.10%	74.78%
28	38.70%	73.84%	37.88%	73.85%
29	36.51%	72.91%	35.66%	72.91%
30	34.32%	71.98%	33.44%	71.98%
31	32.13%	71.04%	31.22%	71.04%

7 Discussion

The analyses performed for this study focus on the timing and probability of individual fish becoming entrained or impinged, along with their chances of survival. The results suggest that individual fish of some species (e.g. migrating eel) would be more likely to be affected by the Projects than other species. However, it is important to characterize the results in the context of fish populations, for which there are no anticipated effects of impingement and limited effects of entrainment (Table 7-1). Impingement effects on the populations are not likely because of the wide trashrack spacing that would allow fish to pass through, and because the largest fish are strong swimmers and could escape impingement.

In general, entrainment effects at the Projects would be minimal for populations of non-migratory resident species (Table 7-1). Of the target species, Smallmouth Bass, Walleye, and Yellow Perch are resident fish living in the Crescent and Vischer Ferry impoundments and are not dependent on downstream movement to complete their lifecycle. The Project impoundments are each over ten miles long and provide considerably more habitat outside of the forebay areas than within. Further, habitat quality is limited in the forebay and intake areas and would not be attractive to the target species, with steep-sided walls, a historically excavated streambed, and limited cover. Though some individual fish would be expected to encounter the intake, most adult and juvenile resident fish also have swimming capabilities that would allow them to escape entrainment at times when they would be most likely to encounter the intake area. Small resident fish that may not be able to escape, should they encounter the intake, would likely survive to populate areas downstream.

Obligatory migrants such as adult and juvenile Blueback Herring and adult American Eel require passage downstream through the Project areas to complete their life history. At both Projects, both eels and herring have multiple alternate routes for downstream passage other than through the Project turbines. These migratory fish could pass through bypasses offered at each Project, via the canal and lock system to downstream areas, or over the dams during high-flow conditions. The effects of entrainment of Blueback Herring at both Projects are also reduced through the operation of acoustic deterrent systems that are designed to guide Blueback Herring to the bypasses and spillway areas and openings in the flashboards. Additionally, for those that may not be diverted to the spillway bypasses, preferential operation of the Kaplan turbines, combined with the high rates of turbine survival via passage through the Kaplan turbines, would limit the effects to populations of this species (Table 7-1).

Though individual adult American Eel emigrating to the ocean may the greatest potential for entrainment effects at the Crescent and Vischer Ferry Projects, the abundance of eel upstream of the Projects is currently believed to be very low. With relatively few individual eels expected to be found upstream, the population-level effects of entrainment at the Project would also be low for eel (Table 7-1). Ongoing Power Authority and USGS studies are evaluating eel abundance in the Project areas and Mohawk River.

In summary, operation of the Crescent and Vischer Ferry Projects results in limited impacts to the populations of target species given the current Project configuration, operational regime, and fish passage and protection measures that have been developed and implemented at the Projects.

Table 7-1: Summary of Impingement and Entrainment Effects on Fish Populations at the Crescent and Vischer Ferry Projects

Target Species	Population-Level Effects	
	Impingement	**Entrainment**
American Eel	None - All individuals would fit through trashracks	Low - Though individual emigrating adults would be susceptible to entrainment, the population upstream of the Projects is currently believed to be low based on existing information. Therefore, few individuals would be subjected to entrainment.
Blueback Herring	None - All individuals would fit through trashracks	Low - The acoustic array would divert substantial numbers of individuals to alternative routes of passage. Those that become entrained have been documented to exhibit high rates of survival.
Smallmouth Bass	None - All individuals would fit through trashracks	Minimal - Non-migratory resident species with occasional entrainment of individuals on a seasonal basis. Adults and juveniles have swimming capabilities to avoid entrainment during periods when they would be most likely to encounter the intake structure.
Walleye	None - Though extremely large individuals could become impinged based on trashrack spacing, they possess swimming capabilities that would allow them to avoid impingement.	Minimal - Non-migratory resident species with occasional entrainment of individuals on a seasonal basis. Adults and juveniles have swimming capabilities to avoid entrainment during periods when they would be most likely to encounter the intake structure.
Yellow Perch	None - All individuals would fit through trashracks	Minimal - Non-migratory resident species with occasional entrainment of individuals on a seasonal basis. Adults have swimming capabilities to avoid entrainment and juveniles would be likely to survive entrainment to populate downstream areas.

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APPENDIX A: REPRESENTATIVE PHOTOS

Figure A-1: Crescent Project Trashracks and Forebay

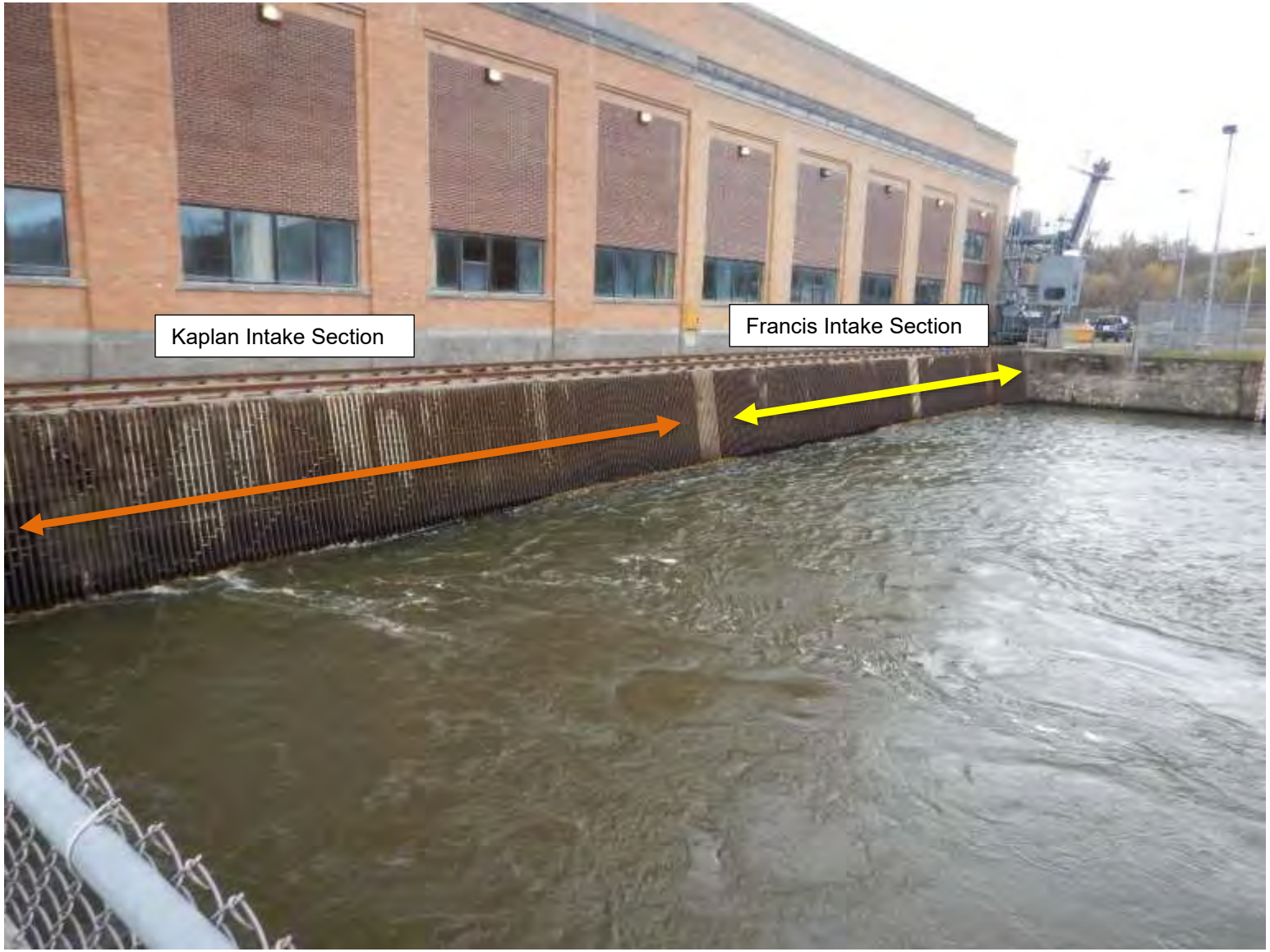


Figure A-2: Crescent Project ADCP Measurements



Figure A-3: Vischer Ferry Project Trashracks and Forebay

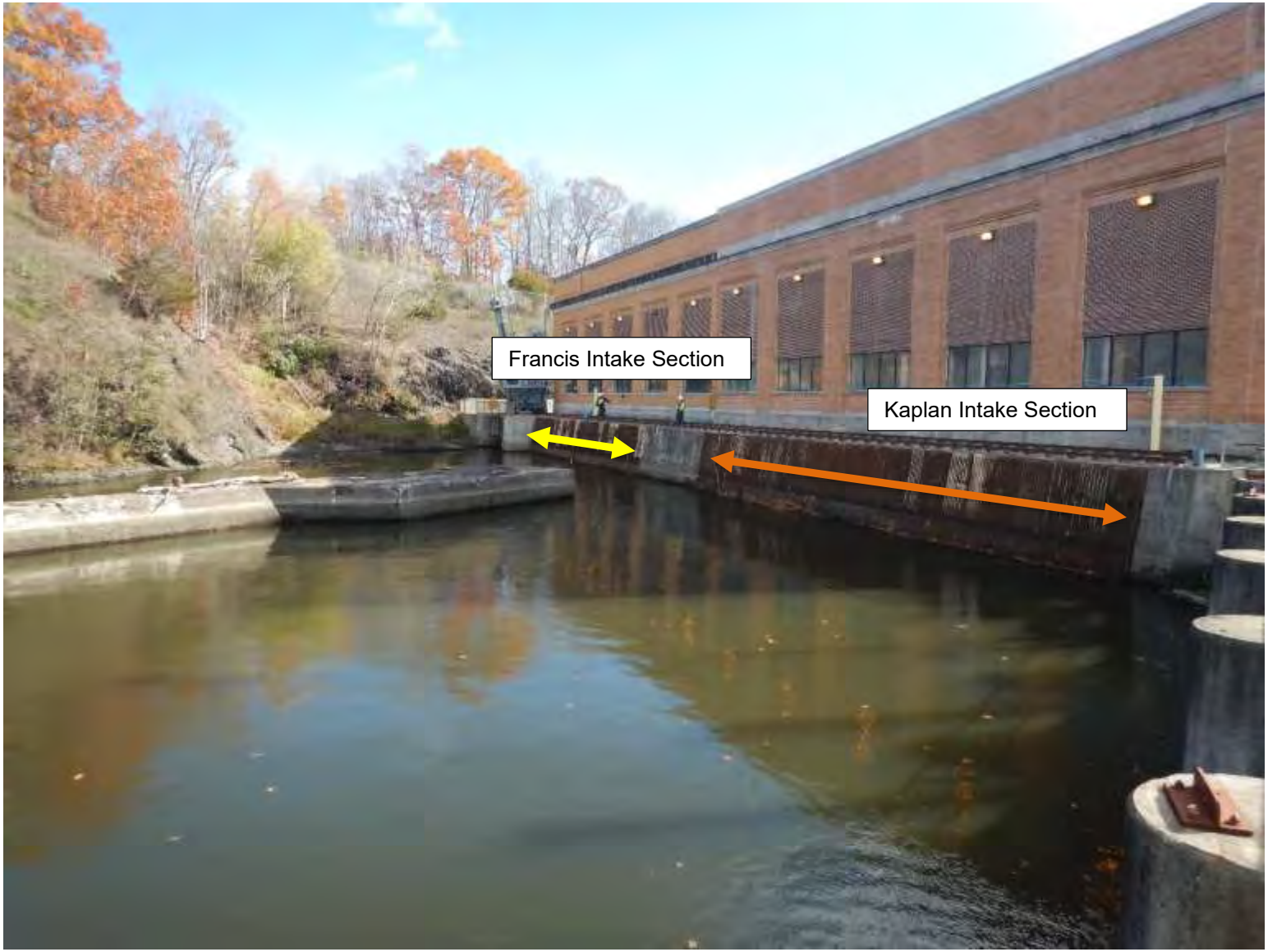


Figure A-4: Vischer Ferry Project Velocity Measurements



Appendix C Blueback Herring Downstream Migration Study Report

BLUEBACK HERRING DOWNSTREAM MIGRATION STUDY

Prepared by: Kleinschmidt

February 2021

CRESCENT AND VISCHER FERRY PROJECTS RELICENSING FERC Nos. 4678 and 4679






NEW YORK STATE OF OPPORTUNITY. | NY Power Authority

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List of Abbreviations

BCD	Barge Canal Datum
cfs	cubic feet per second
FERC	Federal Energy Regulatory Commission
ft	foot or feet
ILP	Integrated Licensing Process
in	inch
MW	Megawatt
NMFS	National Marine Fisheries Service
NOI	Notice of Intent
NYSDEC	New York State Department of Environmental Conservation
PAD	Preliminary Application Document
PSP	Proposed Study Plan
RPM	rotations per minute
RSP	Revised Study Plan
SD1	Scoping
TBSA	Turbine Blade Strike Analysis
TL	Total Length
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey

1 Introduction

Blueback Herring (BBH) (*Alosa aestivalis*) are an anadromous river herring native to the eastern seaboard of North America. Their native range extends from Labrador to Florida. Along this range, the species inhabits coastal, estuarine and riverine systems, as well as some inland lakes. Blueback Herring live most of their adult life at sea, returning inland to spawn. Inland migration has been enhanced in many places through man-made locks and canals, which has resulted in their expansion into many inland lakes and waterways adjacent to its native range, including the Mohawk River and Lake Ontario in New York (NYSDEC, 2019). Today, juvenile Blueback Herring make up a key part of the forage base for many resident piscivorous species in the Mohawk River (George et al., 2016).

Blueback Herring are native to the Hudson River, and run up the Hudson in the spring to spawn in various tributaries, including the Mohawk River. Cohoes Falls, located approximately 1.5 miles downstream of Crescent Dam and approximately 2.5 miles upstream of the Mohawk's confluence with the Hudson River, presents a natural barrier that Blueback Herring would be unable to pass but for the New York State Barge Canal (Barge Canal). Blueback Herring depend on the operation of the Barge Canal to gain access to the Mohawk River. Adults migrating upstream through the Barge Canal enter the Mohawk River upstream of the Crescent Dam. Blueback Herring were first recorded in the lower Mohawk River upstream of Cohoes Falls in 1934 (USGS, 2018b) and were first reported in the upper Mohawk (above Little Falls) in 1978 (Owens et al., 1998). Spawning migrations can extend to near Rome, New York, about 120 miles above the river's mouth and more than 100 miles upstream of the Crescent and Vischer Ferry Project dams (FERC, 2000).

Blueback Herring spawn in the upper reaches of the Mohawk River and its tributaries, preferably in swift-flowing, hard-bottomed stream reaches, and begins when water temperatures reach 10-15° C. (FERC, 2000). Spent adults migrate downstream shortly after spawning, generally during the period May through July (FERC, 2000). Juvenile Blueback Herring rear throughout the Mohawk River during summer and are an important prey for game fish such as bass, Walleye, and Yellow Perch. In the summer, young of year Blueback Herring can typically be found near the surface but move to deeper water prior to migrating to the sea. Outmigration of juvenile Blueback Herring from the Mohawk River typically occurs during the fall (FERC, 2000).

The Mohawk River, in the vicinity of the Projects, is managed by the New York State Department of Environmental Conservation (NYSDEC) as a mixed cool-water and warm-water fishery. The fish community is dominated by warm-water species and is used extensively by recreational anglers (NYSDEC, 2018). The river is also managed for anadromous BBH. NYSDEC's fishery management goals for the Mohawk River are multi-faceted and recognize that the fisheries of the Mohawk River watershed, like many inland waters, are in a state of transition (NYSDEC, 2018). Management of the Mohawk River fishery is complicated by the continuous influx of new species through the Barge Canal and must balance the need to provide desirable fishing opportunities for sportfish while also trying to sustain native biodiversity (NYSDEC, 2018). The NYSDEC also has an interest in the BBH run in the lower Mohawk River. The Atlantic States Marine Fisheries Commission (ASMFC) regulates river herring stocks in New York and has the stated goal to protect, enhance, and restore East Coast migratory spawning stocks of BBH in order to achieve stock restoration and maintain sustainable levels of spawning stock biomass.

While the Barge Canal provides an upstream migration route past the dams located on the Mohawk River, downstream migration primarily occurs over the dams or through turbine passage. These passage routes have the potential to result in mortality of downstream migrants. Therefore, assessment of downstream passage survival is a consideration for BBH.

1.1 Background

The Power Authority of the State of New York (Power Authority) is licensed by the Federal Energy Regulatory Commission (FERC or the Commission) to operate the Crescent and Vischer Ferry Hydroelectric Projects (FERC Nos. 4678 and 4679) (Projects) located on the Mohawk River in New York. The Power Authority is relicensing the Projects using the FERC Integrated Licensing Process (ILP), as outlined in 18 C.F.R. Part 5.

In accordance with 18 C.F.R. §§ 5.5 and 5.6, the Power Authority filed its Notice of Intent (NOI) and Pre-Application Document (PAD) on May 3, 2019, which included the Power Authority's preliminary issues and studies list for the Projects. FERC issued its Scoping Document 1 (SD1) on June 10, 2019 and held public scoping meetings on July 10-11, 2019 in Clifton Park, New York, where potential issues were identified by agencies, stakeholders, and the public.

Subsequently, the Power Authority received comments on the PAD and requests for additional studies. The Power Authority reviewed these comments and study requests and developed a Proposed Study Plan (PSP), which was filed with the Commission on September 23, 2019. The Power Authority held a PSP public meeting to discuss the PSP on October 23, 2019. Written comments on the PSP were received through December 23, 2019.

The Power Authority then developed its Revised Study Plan (RSP), which was filed with FERC on January 21, 2020. On February 20, 2020, FERC issued its Study Plan Determination (SPD), which approved the Power Authority's Blueback Herring Downstream Migration Study with a recommended modification.

This study report presents information and results pertaining to the Blueback Herring study conducted at the Crescent and Vischer Ferry Projects in 2020.

1.2 Study Goals and Objectives

The goals and objectives of this study are to use existing and theoretical data to estimate adult and juvenile BBH downstream passage whole station survival associated with the Crescent and Vischer Ferry Projects.

1.3 Project Descriptions

The Crescent and Vischer Ferry Projects are both operated on a run-of-river basis. The original purpose of the Crescent and Vischer Ferry Dams was to impound water to support navigation on the Barge Canal; this remains true today as navigation and Barge Canal operations take priority over the operation of the Projects. During unusual conditions or emergencies associated with the system, public safety is always the first priority. Thus, both Projects operate in coordination with the New York State Canal Corporation (Canal Corporation) who operates the Barge Canal. Unless emergency conditions exist, the Projects operate in

run-of-river mode with fluctuations (allowable six inches or less[1]) allowed at Canal Corporation's direction, and as permitted by the existing FERC licenses, to aid navigation, to facilitate flashboard installation and removal, and for canal maintenance or safety.

1.3.1 Crescent

The Crescent Project is an 11.8 MW conventional run-of river hydroelectric project located on the Mohawk River, approximately 4 miles upstream from its confluence with the Hudson River. It is located 2 miles upstream of the School Street Hydroelectric Project (FERC No. 2539) owned by Erie Boulevard Hydropower, L.P.

The Crescent Project generally consists of a dam, powerhouse, impoundment, and appurtenant facilities. The Crescent Dam consists of two independent concrete gravity overflow sections which link each riverbank to a rock island in the middle of the Mohawk River (Figure 1.3–1). Both sections are curved in plan and have a crest at elevation (El.) 184.0 Barge Canal Datum (BCD).

In order to aid Barge Canal navigation, one-foot-high (12 inch) wooden flashboards are installed along the crests of both spillways (Dams A and B) seasonally in Spring (generally in May based on seasonal conditions) and removed in the Fall (generally in November based on seasonal conditions). When the flashboards are installed, the spillway crest is El. 185.0 ft. BCD. The Crescent impoundment extends upstream approximately 10 miles to the Vischer Ferry Project Dam. At El. 184.0 ft. BCD, the surface area of the impoundment is 2,000 acres and impounds approximately 50,000 acre-feet of water. Installation of the flashboards increases the normal full pool elevation of the impoundment by 1 foot to El. 185.0 ft. BCD, and the impoundment retains an additional 2,000 acre-feet of water. Article 41 of the Crescent Project's FERC license stipulates that head pond elevation be maintained between 0.1 and 0.4 feet below crest. Power Authority Operations normally targets head pond levels of El. 183.8 BCD without flashboards and El. 184.8 BCD with flashboards.

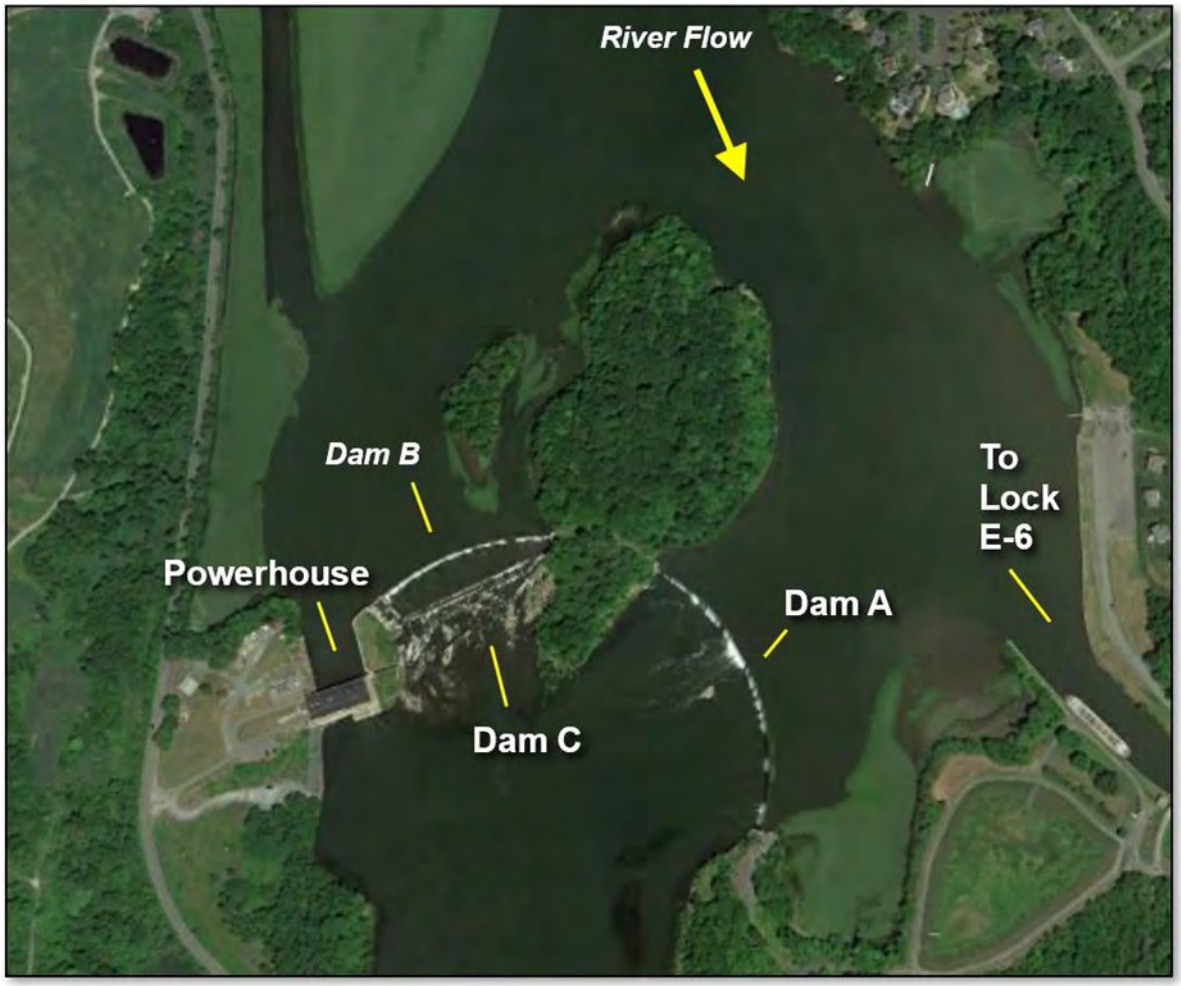
The Crescent powerhouse is located on the western bank and houses four turbine/generator units: two 2.8 MW rated Francis turbines and two 3.0 MW vertical Kaplan turbines. The original portion of the powerhouse contains the two original Francis units (Units 1 and 2). The two newer Kaplan units (Units 3 and 4) are located riverward of the original powerhouse.

Crescent Project operations are performed in a manner to maintain the normal full pool elevation of the impoundment. Flow through the Project is through the powerhouse or over the dam. During the non-navigation season, a minimum flow of 100 cubic feet per second (cfs) (or inflow, whichever is less) is required to be passed at the Crescent Dam. In accordance with a July 31, 2007 FERC order, the minimum flow during Barge Canal navigation season is increased to 250 cfs. This minimum flow must be passed through a notch in the Dam A flashboards. The notch is 80 feet wide by 1 foot deep. Flows due to leakage or turbine discharge are not considered as part of maintaining this requirement. These minimum flows are

[1] Allowable fluctuation is defined by FERC's Order Amending Article 41 (November 17, 2000) states "In some instances, the project shall be operated to maintain the reservoir surface elevation in the range from the top of the dam (or top of the flashboards during the navigation season) to a level 6 inches below the top of the dam (top of the flashboards during the navigation season). This 6-inch fluctuation shall not be used for regular ponding operations. It shall be used only in the event of curtailment of inflows due to operations of the upstream Barge Canal."

for downstream fish passage protection measures. Once minimum flows and any diversions required for Barge Canal operations are met, the remaining flow is available for power generation.

Figure 1.3–1: Major Project Facilities of the Crescent Project



1.3.2 Vischer Ferry

The Vischer Ferry Project is an 11.8 MW conventional run-of-river hydroelectric project located on the Mohawk River, approximately 14 miles upstream from its confluence with the Hudson River, and approximately 10 miles upstream of the Crescent Project. The Vischer Ferry Project generally consists of a dam, powerhouse, impoundment, and appurtenant facilities. The Vischer Ferry Dam consists of three connected spillway sections (Figure 1.3–2). The two outer sections (Dams D and F) are regular, ungated, ogee-shaped weirs with an average structural height of approximately 30 ft. above rock. The middle section (Dam E) is a broad-crested weir constructed over a small bedrock island near the center of the river. Lock E-7 is located at Vischer Ferry Dam on the right bank, which is the opposite side of the river from the Vischer Ferry powerhouse.

To aid Barge Canal navigation, flashboards are installed along the crests of all spillways seasonally from Spring (generally in May) to the end of navigation season (generally in November based on season conditions). The flashboards are 27 inches high and when the flashboards are installed, the impoundment elevation is 213.25 ft. BCD. The spillway crest elevation is 211.0 ft. when flashboards are removed. The Vischer Ferry impoundment is 10.3 miles long and the upstream terminus of the impoundment is located at Lock E-8 in Schenectady. At El. 211.0 ft. BCD, the surface area of the impoundment is 1,050 acres and impounds approximately 25,000 acre-feet of water. Installation of the flashboards raises the normal full pool to El. 213.25 ft. BCD, and the impoundment retains an additional 2,400 acre-feet of water. Article 41 of the Vischer Ferry Project's FERC license stipulates that head pond elevation be maintained between 0.1 and 0.4 feet below crest. Power Authority Operations normally targets head pond levels of El. 210.8 BCD without flashboards and El. 213.0 BCD with flashboards.

The Vischer Ferry Project powerhouse is located at the northern end of the dam and houses four turbine/generator units: two 2.8 MW rated Francis turbines and two 3.0 MW vertical shaft Kaplan turbines (identical units as at the Crescent Project). The original portion of the powerhouse contains the two original Francis units (Units 1 and 2). The two newer Kaplan units (Units 3 and 4) are located riverward of the original powerhouse. The turbines discharge water into the tailrace, the elevation of which is controlled by the Crescent impoundment level.

Vischer Ferry Project operations are performed in a manner to maintain the normal full pool elevation of the impoundment. Flow through the Project is through the powerhouse or over the dam. A minimum flow of 200 cfs (or inflow, whichever is less) is required to be passed at the Vischer Ferry Dam. An 8-foot section of the flashboards on Dam F is removed during navigation season to provide downstream fish passage flow. Once Project minimum flows and any diversion required for Barge Canal operations are met, the remaining flow is available for power generation.

Figure 1.3–2: Major Project Facilities of the Vischer Ferry Project



1.3.3 Turbine Operations

Turbine operations are the same for both the Crescent and Vischer Ferry projects. When both Kaplan units are available for service, the Kaplan units are used first to a flow of 1,820 cfs (3,875 KW) per unit or approximately 3,640 cfs total for both Kaplan units combined. As flows increase and additional capacity is needed, a Francis unit is operated at full load (3100 KW or 1,500 cfs), with remaining flow distributed between the two Kaplan units. Once both Kaplans and one Francis reach capacity, approximately 5,140 cfs, a second Francis unit is brought online at full load with the remaining flow split between the Kaplan units to a maximum hydraulic capacity of 6,640 cfs. Once all units have reached full hydraulic capacity, additional flow is spilled over the dam. When flows are decreasing, the operational regime is essentially reversed. First, spill is eliminated and then the Kaplan units are adjusted until one of the Francis units can

be shut down. The Kaplan units continue to be adjusted until flows decrease enough to allow for the remaining Francis unit to be shut down. When flows decrease to the point that two Kaplan units are not needed, all turbine discharge is passed through one Kaplan unit. During low flow periods when there is insufficient flow to operate a turbine and meet minimum flow requirements, all flow is passed over the dam and/or through the downstream fish bypass notches. In summary, operation of the Kaplan units is prioritized over operation of the Francis units due to better fish passage survival rates relative to the Francis units. When the Francis units are operated, they are operated at full load to maximize fish passage survival.

1.3.4 Downstream Fish Passage

There are multiple routes for downstream fish passage at the Crescent and Vischer Ferry Projects. At both Projects, fish have multiple downstream passage options, all of which are likely used to some degree. These options include turbine passage, passing over the dams during high-flow conditions (spillway passage), passing through the notched flashboards (bypass), or passing via the Barge Canal to downstream areas. Downstream passage at both Projects is also greatly enhanced through the operation of acoustic guidance systems which divert fish away from the turbine intakes. While this diversion is intended to direct fish toward the bypass routes created by notches in the flashboards at each Project, fish pass over the dam (spill) when flows exceed powerhouse capacity. Some portion of fish pass downstream via the Barge Canal. The potential for Barge Canal passage is discussed in more detail later in the report.

At the Crescent Project, downstream fish passage has been enhanced by the Licensee's installation and operation of an acoustic deterrent system in combination with the provision of a flashboard opening measuring 80 ft by 1 ft providing access from the main river channel through the dam (Figure 1.3–3). At Crescent, the acoustic deterrent system likely increases the number of fish migrating downstream through the Barge Canal by diverting fish to the eastern river channel where the Barge Canal entrance is located.

The Vischer Ferry Project also supports downstream passage of herring with a combination of acoustic deterrent array and flashboard openings (Figure 1.3–4). Two different locations are used for the openings depending on the BBH lifestage present, one for adults and one for juveniles. These openings are 8 ft by 2.25 ft and were determined based on-site specific studies conducted at Vischer Ferry which determined slightly different locations were beneficial for each lifestage at this site (Ross, 1999). The downstream face of the dam associated with these openings is covered by a synthetic, rubberized material to provide a smooth substrate for fish to pass over.

Figure 1.3–3: Downstream Fish Passage Routes at the Crescent Hydroelectric Project

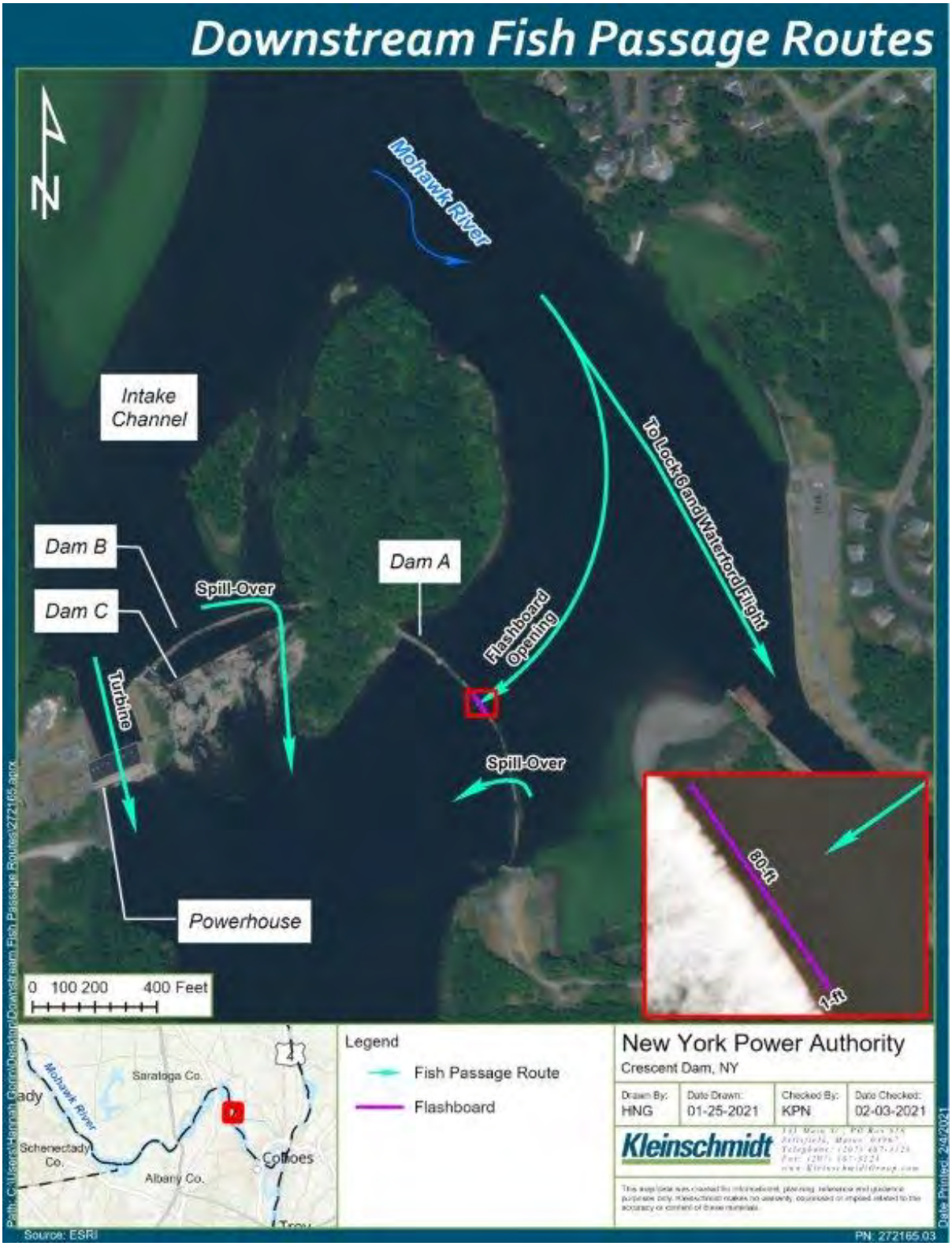


Figure 1.3–4: Downstream Fish Passage Routes at the Vischer Ferry Hydroelectric Project



2 Methodology

For this study, downstream passage survival was evaluated by reviewing existing studies and by using probability equations to predict downstream passage survival. Passage routes through the Projects include spill over the dam, through the flashboard notches, and through the turbines. The combined effects of these passage routes were collectively considered to estimate total downstream passage success at each Project. While it is likely that some portion of downstream migrants may pass through the Barge Canal, this passage route was not specifically evaluated.

2.1 Review of Existing Downstream Passage Survival

Existing studies on downstream passage were reviewed and considered for application to the Projects. Sources of studies included EPRI (1997), which is a database of turbine passage survival studies for multiple fish species at more than 50 hydropower projects throughout the country, studies conducted after the creations of the EPRI database, and studies conducted at the Projects themselves. The database of studies was filtered to identify hydropower projects with turbines and site characteristics comparable to the Crescent and Vischer Ferry Projects (e.g., turbine type, RPM, head, runner diameter) and studies directly pertaining to BBH and other alosines. Site specific data included mortality as well as fish guidance system effectiveness studies.

2.2 Survival Estimates Using a Predictive Model

Several models have been developed to predict the survival rate of fish passing through hydroelectric turbines. These models consider fish size, turbine specifications, and station hydraulics to estimate the theoretical blade strike and survival of specific sized fish for a particular turbine configuration. Direct effects of turbine passage can be predicted as a probability because the variables (such as turbine diameter, number of blades, etc.) and value ranges for those variables can be precisely defined. These models allow the user to manipulate parameters such as fish size or turbine characteristics to determine the relative effect on turbine passage survival.

Blade strike probability and turbine passage survival at the Projects was estimated for the target species using the Department of Energy's Advanced Hydro Turbine model developed by Franke et al. (1997). This predictive algorithm is based on the work of Von Raben (Bell 1981). Franke et al. (1997) refined the Von Raben model to consider the effect of tangential projection of the fish length on blade strike probability because most turbine passage mortality at low head dams (<100 ft) is caused by fish striking a turbine blade or some other turbine structure. There are separate equations used for different turbine types.

For the Kaplan turbines at the Projects, the probability of blade strike was calculated by the following formula:

$$P = \lambda \frac{N \cdot L}{D} \cdot \left[\frac{\cos \alpha_a}{8 \cdot Q_{wd}} + \frac{\sin \alpha_a}{\pi \cdot \frac{r}{R}} \right]$$

For the Francis turbines at the Projects, the probability of strike was calculated by the following formula:

$$P = \lambda \frac{N \cdot L}{D} \cdot \left[\frac{\sin \alpha_t \left[\frac{B}{D_1} \right]}{2Q_{\omega d}} + \frac{\cos \alpha_t}{\pi} \right]$$

In each formula the input parameters are defined as:

P = Predicted strike probability

N = Number of turbine blades

L = Length of fish

D = Diameter of runner

D_1 = Diameter of runner at inlet

B = Runner height at inlet

λ = Strike mortality correlation factor (lambda)

R = Radius of runner = (D/2)

r = Location along radius that a given fish enters the turbine

η = Turbine efficiency

$E_{\omega d}$ = Head Coefficient or energy coefficient

$$= \frac{gH}{(\omega D)^2}$$

α_a = Angle to axial of absolute flow upstream of runner

$$= \tan \alpha_a = \frac{\pi \cdot E_{wd} \cdot \eta}{2 \cdot Q_{wd} \cdot \frac{r}{R}}$$

g = Acceleration of gravity

H = Turbine net head

ω = Rotational speed

$$= RPM \cdot \frac{2\pi}{60}$$

RPM = Revolutions per minute

Q = Turbine discharge

Q_{opt} = Turbine discharge at best efficiency

$Q_{\omega d}$ = Discharge Coefficient

$$= \frac{Q}{\omega D^3}$$

$$\tan \beta = \frac{0.707 \cdot \frac{\pi}{8}}{\xi \cdot Q_{\omega d\ opt} \left[\frac{D_1}{D_2}\right]^3}$$

ξ = Ratio between Q with no exit swirl and Q_{opt}

Survival was calculated by subtracting the predicted strike estimate (P) from 100.

Model predictions were made for both juvenile and adult BBH based on the size of these lifestages found in the Mohawk River. It is important to note that the predictive equations do not differentiate between any species but only consider fish size. Turbine survival as defined by blade strikes has been shown to be influenced more by fish size than species (Franke et al. 1997). While all parameters of the equation can affect blade strike estimates, fish length, the number of turbine blades, and runner diameter have the greatest impact on the estimates.

A correlation factor (λ) is utilized in the Advanced Hydro Turbine model to adjust the predictive model results to correspond with documented empirical results. This correlation factor was originally introduced by Von Raben (cited by Bell 1981) because the contact of a fish with a turbine component does not always result in injury or mortality (Bell 1981; Cada 1998). Therefore, Von Raben introduced the correlation factor to adjust the predicted turbine strike results to more closely match empirical results. This factor also extends the applicability of these predictive equations to all injury mechanisms related to the variable N L / D (see above for definition of parameters). As stated in Franke et al. (1997) "such mechanisms could include mechanical mechanisms leading edge strike and gap grinding as well as fluid induced mechanisms related to flow through gaps or other flow phenomena associated with blades. " Based on a substantial number of test results obtained from studies conducted with salmonids on the west coast, Franke et al. (1997) recommended that the correlation factor (lambda) be set between 0.1 to 0.2. The lambda value is designed to correlate model results to empirical survival data. Because mortality due to mechanisms other than blade strikes can be expected to increase with fish size, larger lambda values are more appropriate for larger fish. All model iterations for BBH at the Projects utilized a lambda value of 0.15. This value was chosen based on initial model runs where the use of a 0.15 correlation factor estimated survival that was consistent with BBH survival estimates obtained by empirical testing at the Crescent Project. While more conservative (i.e., lower survival), higher correlation factor values tend to be more appropriate for use with fish larger than those considered in this study.

The Power Authority used the USFWS' Turbine Blade Strike Analysis (TBSA) model (Towler and Pica 2020) to predict turbine passage survival and total project passage survival (i.e., passage survival via spill, the turbine, and the fish bypass combined) at the Projects. The TBSA model is based on the blade strike calculations presented by Franke et al. (1997). The model version used in this evaluation was revised on December 9, 2020. Turbine project specifications (e.g., runner diameter, head, RPM) were entered into the TBSA model, along with fish length information and recommended correlation factors. Additionally, the TBSA model allows for setting mortality rates of other non-turbine passage routes such as bypasses to provide a more holistic picture of downstream passage success.

In addition to providing turbine parameters and setting bypass mortality rates, the TBSA model requires additional inputs. These include mean fish length with standard deviation and assignment of the proportion of downstream migrants to each passage route.

Two separate assigned passage route methodologies were used in the model runs. The first step was to determine river flows for consideration. Data from the Cohoes Gage (USGS 01357500) period of record was used to calculate the mean monthly river flows at each project which represents a typical condition. The flow at each project was calculated by applying the drainage basin ratio between each Project and the Cohoes Gage to the flow data. In addition to the mean values, the 10 percent and 90 percent exceedance values were also calculated in order to provide both high flow and low flow scenarios. Months for consideration included May through November. These months are when BBH are in the Mohawk River system. Specifically, adult BBH are in the system from May through July while juvenile BBH occur from July through November. It is important to note that most downstream migration occurs over a much shorter period. This analysis, however, considers a robust range of flow conditions. It is also important to note that while these obligatory migrants will eventually pass downstream regardless of flow conditions, the onset of higher flow events during the migration season, especially when coupled with other factors such as changes in water temperature and light intensity, can trigger substantial downstream movement (Richkus 1975). Studies conducted on downstream migrating adult and juvenile BBH on the Mohawk River effectively ended when higher flows occurred and the study specimens moved downstream (Kleinschmidt 2009, NAI 2012). As such, the higher flows evaluated may be more representative of the conditions when many fish move downstream.

Once river flow conditions were calculated, these were distributed to the various flow routes; minimum flow requirements, leakage, unit operation, and spill as discussed in Section 1.3.3. The first set of model runs assumed that fish were evenly distributed by flow (i.e. # of fish per cfs) and assigned to a passage route based on flow distribution. In other words, there was no guidance system operating to direct fish toward the notched flashboards and alter an even distribution. Worst case scenarios are represented in some of these runs in that more fish are assigned to passing through the powerhouse, including the Francis Turbines, rather than the bypasses. A second set of model runs was then conducted based on the success of the acoustic guidance system where the guidance effectiveness was used to direct the appropriate percentage of fish away from the turbine intakes. These fish were then assumed to pass through the notched flashboards and spill if present. Remaining fish were proportionally distributed by flow through the turbine units. It should be noted that no fish were assigned to leakage flows which would pass through small gaps such as those under or between the flashboards.

The Power Authority conducted initial feasibility and effectiveness testing of the acoustic guidance system at the Projects from 1996-1998 (Ross 1999). Subsequent testing occurred at Crescent in 2009 and 2012

(Kleinschmidt 2009 and NAI 2012). Results at both sites indicated a high level of success in guiding downstream migrating BBH.

Testing at Vischer Ferry indicated that the downstream migration pattern of BBH was such that they followed the deeper parts of the river channel along the western side of the river and avoided the relatively shallow, spoil deposit area just upstream of the turbine intake area. To reach the intake area, BBH would follow the deeper, relatively narrow channel along the dam. Monitoring indicated that this behavior coupled with providing an opening in the flashboards to act as a bypass successfully diverted a large portion (approximately 90%) of juvenile BBH from entering the headrace area. Addition of the acoustic guidance system further increased the percentage of BBH using the bypass (Ross 1999). Thus, the overall estimate of juvenile BBH utilizing the Vischer Ferry bypass with the acoustic deterrent system in place was found to be 97-98%. Additional evaluation of the data for adults indicated similar results with an estimated effectiveness of 96% (Ross 2002). These tests also identified the separate bypass locations for adult and juvenile BBH. Due to the similar study results for both adult and juvenile BBH, a 96% effectiveness rate was assumed for both lifestages.

Initial testing at Crescent indicated mixed results with substantially better effectiveness being estimated for juvenile BBH (Ross 1999). During these tests, however, the transducers were in the forebay and the bypass was located on Dam B which is located in the intake (western) channel (i.e. the Project's intake channel). Subsequently, the transducers were moved out of the forebay and upstream into the intake (western) channel and the bypass (flashboard notch) was moved to Dam A and based on results from an evaluation in 2008, the acoustic system was again reconfigured in 2010 (Dunning and Gurshin 2012). This final reconfiguration which represents the current conditions, consisted of re-aiming the four westerly ultrasonic projectors upriver at 45 degrees toward the main navigation channel (i.e. eastern channel). They were previously situated back-to-back and aimed across the intake channel, perpendicular to flow. This final configuration extended the effective range of the projectors further upriver to provide fish with more time to react to the sound gradient prior to reaching the intake channel.

The effectiveness of the current deterrent system configuration was evaluated in 2012 using three methods: pelagic trawls, mobile acoustic monitoring, and fixed-location acoustic monitoring (NAI 2012). All three methods indicated that the acoustic guidance system was highly effective. Pelagic trawl efforts in the downstream area resulted in a catch per unit of effort (CPUE) that was 94% of the CPUE in the area upstream of the acoustic guidance system and 250% of the CPUE in the intake channel. Likewise, mobile acoustic surveys indicated that total abundance averaged 35 times higher in the downstream area than the intake channel and averaged 91% of their sum. Fixed-location acoustic monitors yielded the lowest estimate of effectiveness between the three methods at 76% (NAI 2012). The 76% effectiveness value established for juveniles through the fixed-location monitors was used in this evaluation for both juvenile and adult BBH.

At both Projects, fish not effectively guided toward the spillway notches were proportionally distributed through the turbine units and spill, if present, based on flow. It should be noted that it is likely that some BBH pass through the Barge Canal system, especially at Crescent.

Two sets of fish lengths were calculated: one for juveniles and one for adults. Mean fish lengths were calculated for juveniles based on the Crescent mortality study (RMC 1992). Adult fish lengths were calculated based on the data set used for aging BBH (NAI 2007).

Another variable for consideration was bypass and spillway survival. Both passage routes involve fish passing over the dam. In the case of the bypass, the fish go through a notch in the flashboards and therefore, a fixed minimum water depth while passing through the notch. In the case of spill, the water depth over the flashboards is directly related to river flow. In the case of a very high flow event, it is possible for the flashboards to fail, at least in some locations, and effectively act as additional bypass routes.

Passage through bypasses and spillways is generally considered to be relatively benign with high survival rates. Factors that likely influence spillway survival and even potential injury to fish, especially for species such as BBH, which are prone to scale loss, include spill volume, distance of drop, and plunge pool depth. Personal communication with Brett Towler of the USFWS indicates that a 1% mortality rate for each 10 ft of drop at a bypass is a reasonable estimate. Alden (2018) indicated bypass survival as routinely about 97% (i.e. 3% mortality) but appears to be largely based on passage of salmonids. Recent laboratory testing of juvenile BBH by Carlos-Santos et al (in press) tested the variables of spill discharge and pool depth.

Tests were conducted at the USGS's S.O. Conte Anadromous Fish Research Center in an experimental flume measuring 9.84 ft wide by 19.68 ft deep by 131.23 ft long. A structure was created in the flume consisting of a bypass weir (3.94 ft wide by 3.61 ft long) which was mounted on top of steel bulkheads that allowed for adjusting height of the weir crest above the flume floor. The plunge pool area (9.84 ft wide by 29.86 ft long) consisted of the concrete walls and floor of the flume. A 7.54 ft tall flip gate was located at the downstream end of the plunge pool. The flip gate was hinged at the bottom and raised or lowered to control plunge pool depth. Downstream of the flip gate, a perforated aluminum plate angled to the flow allowed water to flow through while guiding fish towards a collection pen. Four conditions were tested. In all tests, the weir was adjusted to maintain a 3 m drop to the plunge pool water surface. Three treatments consisted of a 5.58 ft^3/s flow (high flow) and plunge pool depths of 23.6,47.2, or 70.9 in. The fourth treatment condition consisted of 0.98 ft^3/s of flow (low flow) and a plunge pool depth of 47.2 in. Except for two mortalities attributed to handling error during the high flow – 70.9 in plunge pool trial, immediate survival was 100%. The 96-h survival was lowest for the high flow condition with a 23.6 in plunge pool depth at approximately 86%. The 96-h survival for high flow tests with 47.2 in and 70.9 in plunge pool depths ranged from about 92.5 – 97.5 %. The low flow, 47.2 in plunge pool depth test exhibited about 97.5% survival. Therefore, except for tests with the shallowest plunge pool, 96-hour survival was greater than 90%. Highest survival occurred during the low flow tests and exceeded 97% (Castro-Santos et al, in press). An interesting observation during this study was that immediate survival was very high with only 2 mortalities in the 1665 fish tested, both of which were attributed to handling errors, and that recorded mortalities were the result of delayed effects. Castro-Santos et al (in press) stated that survival was higher than anticipated and compared favorably to estimates found for salmonids subjected to plunge pools.

Empirical data collected at Crescent at a bypass on Dam B (powerhouse side of the island), estimated immediate survival at 100% and 48-hour bypass survival at 88.3% with a 95% confidence interval of 75.5-100% (RMC 1992). These empirical test results are similar to the results presented by Castro-Santos et al (in press) in that immediate survival was 100% and mortalities resulted from delayed effects. It should be noted that the bypass tests were conducted on Dam B at Crescent which is substantially different than Dam A where the current bypass is located.

Regulatory agencies recommend the ratio of height of drop: plunge pool depth of > 4:1 when permitting downstream fish passage, that is plunge pool depth should be at least 25% of the distance from the spill crest to the plunge pool water surface with a minimum plunge pool depth of 47.2 in (USFWS, 2017). The

fish bypass at Crescent Dam A meets these criteria. Under low spillway water level conditions, the distance from spillway crest to the plunge pool surface is approximately 30 ft with a plunge pool depth of 9 ft. At high spillway water surface elevations, there is approximately 21.5 ft of drop and a plunge pool depth of 17.5 ft. While Crescent Dam B has a lower drop distance of 12 ft., the plunge pool depth is only 2 ft. at lower spillway water surface elevation conditions as would have been present during bypass survival testing. This plunge pool depth was only about 16.7% of the drop distance and falls well short of recommended criteria. Dam A conditions would exhibit a plunge pool depth equal to about 30% of the drop. This would likely translate into higher passage survival compared to a bypass at Dam B.

At Vischer Ferry, the distance from dam crest to the plunge pool water surface under low spillway water level conditions is 27 ft with a plunge pool depth of 6.5 ft. which results in just under the recommended criteria (24.1%). At high spillway water level conditions, the drop distance is 16 ft with a plunge pool depth of 17.5 ft. The dam at both Projects has an ogee profile which would dissipate energy and provide a smoother transition into the plunge pool compared to a sharp crested weir. It is likely that this transition would facilitate downstream passage.

Based on the research and studies described above, low (88.3%) and high (97.0%) bypass survival estimates were established. Converting those to mortality estimates, the model was run with bypass mortality rates of 11.7% based on the Crescent data and at 3% based on generally accepted bypass survival success, as supported by the tests reported by Castro-Santos et al (in press). These same rates were applied to Vischer Ferry, where in addition to the concrete, ogee shaped dam contour which bypassed fish would traverse, the portion of the dam in the bypass area at Vischer Ferry is covered in a rubberized material to facilitate fish safely passing through the bypass. Therefore, it is a reasonable assumption that the use of bypass survival rates of 88.3 – 97.0% should bracket the likely bypass survival rate for both juvenile and adult BBH.

3 Results

3.1 Existing Studies

Studies that were considered applicable to the Project were reviewed to determine if the data could be used to assist in estimated total station survival for downstream migrating BBH at the Projects. An annotated bibliography of those studies is included in Appendix A. While the studies provided insight on overall survival, the site-specific studies on turbine and bypass mortality as well as the effectiveness of the acoustic deterrent system provided the most value for this assessment. Data from these studies were used in the TBSA model to provide more focused results.

Turbine survival study results that could be used for consideration when evaluating survival at the Projects are provided in Table 3-1. These studies are specific to mortality tests on juvenile alosines conducted with balloon tag studies. No studies on downstream passage survival of adult BBH were located. Netting studies are not good measures of survival when testing alosines due to their fragile nature and tendency for scale loss. A number of these studies presented in in Table 3-1 were conducted on larger turbines or turbines with substantially higher rotational speed but are included for reference. Studies conducted on Francis turbines similar to those at the Projects found turbine passage survival rates from 77.1% to 95.3 %. For Kaplan units similar to those at the Projects, turbine passage survival ranged from 89.1% to 100%. The empirical data collected at the Crescent Project for Kaplan turbines indicates survival of 96.0% which correlates well with the other studies.

Table 3-1: Physical and Hydraulic Characteristics of Hydroelectric Dams for which Turbine Passage Survival Data are Available for American Shad and Blueback Herring

Station	State	Study Year	River	Species	Average Size (mm)	Unit Tested	Turbine Type	No. of Blades/ Buckets	Runner Speed (rpm)	Runner Dia. (in)	Peripheral Velocity (fps)	Test Discharge (cfs)	Project Head (ft)	Sample Treatment	Size Control	Recapture Treatment	Rate (%) Control	1 h Survival	Source
*Columbia	SC	1998	Broad/Congaree	Blueback Herring	141	2	H-Francis	14	164	64	45.8	800	28	100	100	90.0	90.0	0.936	NAI (1999)
Conowingo	MD	1993	Susquehanna	American Shad	125	8	Mixed Flow	6	120	225	117.9	8,000	90	108	108	88.0	97.6	0.949	(RMC (1994a)
Conowingo	MD	2011	Susquehanna	American Shad	119	5	Francis	13	81.8	203	72.5	5,080	89	138	76	88.4	97.3	0.899	NAI and Gomez and Sullivan 2012
*Crescent	NY	1991	Mohawk	Blueback Herring	91		Kaplan	5	144	108	67.9	1,520	27	125	125	84.0	86.0	0.960	Mathur et al. (1996b)
Hadley Falls	MA	1991	Connecticut	American Shad	82***		Kaplan	5	128	170	95.0	4,200	52	100	100	76.0	76.0	0.973	RMC (1992b)
*Hadlely Falls	MA	1991	Connecticut	American Shad	82***		Kaplan	5	128	170	95.0	1,550	52	100	100	81.0	78.0	1.000	RMC (1992b)
*Hadlely Falls	MA	1991	Connecticut	American Shad	82***		Propeller	5	150	156	102.1	4,200	52	120	120	74.2	83.3	0.891	RMC (1992b)
Holtwood Dam	PA	1991	Susquehanna	American Shad	125	10	Francis	16	94.7	164	67.8	3,500	51	100	100	81.0	90.0	0.894	RMC (1992a)
Holtwood Dam	PA	1991	Susquehanna	American Shad	125	3	Francis	17	102.8	112	50.3	3,500	51	100	100	78.0	93.8	0.835	RMC (1992a)
Holtwood Dam	PA	1997	Susquehanna	American Shad	119	9	Francis	13	94.7	164	67.8	3,500	51	40	20	80.0	85.0	0.905	NAI (1997)
Safe Harbor Dam	PA	1992	Susquehanna	American Shad	118	9	Mixed Flow	7	76.6	240	80.2	9,200	55	100	100	92.0	92.0	0.978	Heisey et al. (1992)
Safe Harbor Dam	PA	1992	Susquehanna	American Shad	118	9	Mixed Flow	7	76.6	240	80.2	9,200	55	99	100	96.0	98.0	0.989	Heisey et al. (1992)
Safe Harbor Dam	PA	1992	Susquehanna	American Shad	118	7	Kaplan (horiz.)	5	109.1	220	104.8	8,300	55	100	100	99.0	99.0	0.980	Heisey et al. (1992)
*Stevens Creek	SC	1993	Savannah	Blueback Herring	203	3	Francis	14	75	135	44.2	1,000	28	131	120	90.8	89.2	0.953	RMC (1994b)
*York Haven	PA	2002	Susquehanna	American Shad	114	7	Francis	18	84	78	28.6	850	23	94	100	64.0	82.0	0.771	NAI (2001)
*York Haven	PA	2002	Susquehanna	American Shad	118	3	Kaplan	4	200	93	81.2	1,100	21	100	100	78.0	82.0	0.927	NAI (2001)
*Vernon	VT/NH	1995	Connecticut	American Shad	95	10	Francis	15	74	156	50.4	1,834	34	153	150	93.5	98.7	0.947	NAI (1996)
*Vernon	VT/NH	2015	Connecticut	American Shad	98	4	Francis	13	133.3	62.5	36.4	1,000	35	151	150	87.4	97.3	0.917	NAI (2017)
*Vernon	VT/NH	2015	Connecticut	American Shad	104	8	Kaplan	5	144	122	76.7	1,200	42	150	150	94.0	97.3	0.952	NAI (2017)
*Cabot Station	MA	2015	Connecticut	American Shad	96	2	Francis	13	97.3	136	54.4	2,304	60	120	71	95.8	94.4	0.950	NAI (2016)
Station No.1	MA	2015	Connecticut	American Shad	96	1	Francis	13	200	54	47.1	651	44	90	71	75.6	94.4	0.766	NAI (2016)
Station No.1	MA	2015**	Connecticut	American Shad	96	2	Francis	13	257	39	43.7	591	44	90	71	72.2	94.4	0.678	NAI (2016)
Station No.1	MA	2015**	Connecticut	American Shad	96	3	Francis	15	200	55	47.5	591	44						NAI (2016)

* Indicates tests conducted on units most similar to the Crescent and Vischer Ferry Projects.

** Units 2 and 3 have common penstock, only one survival estimate.

*** Fork length measurements were recorded.

3.2 Downstream Passage Route Survival

Pertinent turbine parameters used to estimate blade strike probability are provided in Table 3-2 and Table 3-3 for the Crescent and Vischer Ferry Projects, respectively. It should be noted that the four turbines at each Project (two Francis Units and two Kaplan Units) are nearly identical with only minor differences that are not anticipated to substantially affect blade strike estimates. As discussed above, fish length is a primary consideration in the model. Calculated fish lengths used in the model are provided in Table 3-4.

Table 3-2: Crescent Project Turbine Specifications

Parameter	Crescent Project	
	Units 1 and 2	**Units 3 and 4**
Turbine Type	Vertical Francis	Vertical Kaplan
Number of blades	15	5
Max turbine discharge (cfs)	1,500	1,820
Efficiency at max discharge	84.7%	90.1%
Min turbine discharge (cfs)	400	350
Runner diameter (ft)	7.18	9.02
RPM	90	144
Maximum head (ft)	27.9	27.9
Diameter of Runner at Inlet (ft)	7.18	NA
Diameter of Runner at Discharge (ft)	10.97	NA
Runner height at Inlet (ft)	4.29	NA

Table 3-3: Vischer Ferry Project Turbine Specifications

Parameter	Vischer Ferry Project	
	Units 1 and 2	**Units 3 and 4**
Turbine Type	Vertical Francis	Vertical Kaplan
Number of blades	15	5
Max turbine discharge (cfs)	1,500	1,820
Efficiency at max discharge	84.7%	90.1%
Min turbine discharge (cfs)	400	350
Runner diameter (ft)	7.18	9.02
RPM	90	144
Maximum head (ft)	26.5	27.0
Diameter of Runner at Inlet (ft)	7.18	NA
Diameter of Runner at Discharge (ft)	10.97	NA
Runner height at Inlet (ft)	4.29	NA

Table 3-4: Blueback Herring total length (TL) by Lifestage

Lifestage	Passage Route	
	Mean Length (TL) inches	Standard Deviation
Juvenile	3.4	0.2
Adult	9.7	0.6

The TBSA model was initially run for each individual passage route to estimate survival rate for each route on a stand-alone basis. Each model run assumed 1,000 fish as a sample size. The survival estimates for each route are provided in Table 3-5. These results follow the anticipated trends - larger fish (i.e., adults) have a lower survival rate than smaller (juvenile) fish, the Kaplan units exhibit higher survival than Francis Units, and the lowest flow that can pass through each unit provided the lowest survival.

Table 3-5: Summary of Downstream Passage Survival Estimates by Route of Passage

Range of Downstream Passage Survival Rates (%)				
		Passage Route		
Project	Lifestage	Units 1 & 2 (Francis Units)	Units 3 & 4 (Kaplan Units)	Bypass/Spill
Vischer Ferry	Juvenile	91.2* – 94.2	96.1 – 98.5	88.3 - 97.0
	Adult	77.1* – 85.4	88.3 – 93.9	
Crescent	Juvenile	93.1* – 94.5	95.8 – 97.4	88.3 - 97.0
	Adult	78.3* – 82.7	89.0 – 94.2	

* Represents a worst-case scenario of unit operation at minimum flow. Francis units only operate at maximum discharge.

3.3 Total Station Downstream Passage Survival

Modeling at each project considered two lifestages, three flow conditions during each of seven months, two spill survival scenarios, and two fish distribution scenarios. This resulted in 60 and 36 model run scenarios for juvenile and adult BBH respectively at each Project. This represents a range of conditions and operating scenarios. Each model run scenario assumed 1,000 fish. Model Output summaries are provided in Appendix B.

3.3.1 Crescent

All model run scenarios assumed a 250 cfs flow through the bypass notch (as required by FERC Order) under all conditions prior to assigning flow to the units. Table 3-6 and Table 3-7 provide estimates of total station downstream passage survival for juvenile BBH with and without the acoustic guidance system in operation. In general, most scenarios provide survival estimates greater than 95%. Lower survival

estimates (about 90%) result with the guidance system operating and assuming an 11.7% bypass mortality rate. Table 3-8 and Table 3-9 provides total station survival estimates for adult BBH. As anticipated, survival is less than estimates for juveniles due to fish size. Survival estimates generally range from approximately 88% to 93% with several higher or lower estimates. As with juvenile BBH estimates, the driver for lower estimates is assuming an 11.7% bypass mortality rate. This is particularly evident when the acoustic guidance system is directing 76% of downstream migrants to the bypass.

Table 3-6: Percent Downstream Passage Survival for Juvenile Blueback Herring by Month and Flow Scenario at the Crescent Hydroelectric Project without the Acoustic Guidance System

Mean Monthly River Flow	**July**		**August**		**September**		**October**		**November**	
Flow (cfs)	2611		1993		2422		3777		5800	
Number of Fish	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Turbine Mortality (No. Fish)	25	32	21	21	24	28	19	22	44	48
Bypass/Spill Mortality Rate	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%
Bypass/Spill Mortality (No. Fish)	2	3	3	22	4	10	0	12	3	2
Total Project Passage Survival (%)	97.3	96.5	97.6	95.7	97.2	96.2	98.1	96.6	95.3	95.0
90th Percentile Exceedance Flow	**July**		**August**		**September**		**October**		**November**	
Flow (cfs)	5518		3651		4298		7557		11417	
Number of Fish	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Turbine Mortality (No. Fish)	36	46	25	18	36	38	26	28	23	18
Bypass/Spill Mortality Rate	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%
Bypass/Spill Mortality (No. Fish)	3	6	4	7	3	16	2	13	17	45
Total Project Passage Survival (%)	96.1	94.8	97.1%	97.5	96.1	94.6	97.2	95.9	96.0	93.7
10 Percentile Exceedance Flow	**July**		**August**		**September**		**October**		**November**	
Flow (cfs)	827		695		722		1042		1845	
Number of Fish	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Turbine Mortality (No. Fish)	22	28	24	21	24	20	30	26	15	19
Bypass/Spill Mortality Rate	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%
Bypass/Spill Mortality (No. Fish)	10	43	11	51	12	42	4	29	8	24
Total Project Passage Survival (%)	96.8	92.9	96.5	92.8	96.4	93.8	96.6	94.5	97.7	95.7

Table 3-7: Percent Downstream Passage Survival for Juvenile Blueback Herring by Month and Flow Scenario at the Crescent Hydroelectric Project with the Acoustic Guidance System (76% effective)

Mean Monthly River Flow	**July**		**August**		**September**		**October**		**November**	
Flow (cfs)	2611		1993		2422		3777		5800	
Number of Fish	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Turbine Mortality (No. Fish)	10	10	1	9	8	7	4	5	11	12
Bypass/Spill Mortality Rate	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%
Bypass/Spill Mortality (No. Fish)	22	70	28	92	21	108	18	70	20	89
Total Project Passage Survival (%)	96.8	92.0	97.1	89.9	97.1	88.5	97.8	92.5	96.9	89.9
90th Percentile Exceedance Flow	**July**		**August**		**September**		**October**		**November**	
Flow (cfs)	5518		3651		4298		7557		11417	
Number of Fish	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Turbine Mortality (No. Fish)	9	16	10	0	7	14	11	11	4	4
Bypass/Spill Mortality Rate	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%
Bypass/Spill Mortality (No. Fish)	26	75	24	96	26	82	21	88	23	85
Total Project Passage Survival (%)	96.5	90.9	96.6	90.4	96.7	90.4	96.8	90.1	97.3	91.1
10 Percentile Exceedance Flow	**July**		**August**		**September**		**October**		**November**	
Flow (cfs)	827		695		722		1042		1845	
Number of Fish	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Turbine Mortality (No. Fish)	7	7	11	10	16	9	6	7	5	7
Bypass/Spill Mortality Rate	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%
Bypass/Spill Mortality (No. Fish)	29	107	21	92	22	93	20	84	20	80
Total Project Passage Survival (%)	96.4	88.6	96.8	89.8	96.2	89.8	97.4	90.9	97.5	91.3

Table 3-8: Percent Downstream Passage Survival for Adult Blueback Herring by Month and Flow Scenario at the Crescent Hydroelectric Project without the Acoustic Guidance System

Mean Monthly River Flow	**May**		**June**		**July**	
Flow (cfs)	6816		4006		2611	
Number of Fish	1000	1000	1000	1000	1000	1000
Turbine Mortality (No. Fish)	106	106	105	108	67	73
Bypass/Spill Mortality Rate	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%
Bypass/Spill Mortality (No. Fish)	0	3	2	13	2	11
Total Project Passage Survival (%)	89.4	89.1	89.3	87.6	93.1	91.6
90th Percentile Exceedance Flow	**May**		**June**		**July**	
Flow (cfs)	14456		8130		5518	
Number of Fish	1000	1000	1000	1000	1000	1000
Turbine Mortality (No. Fish)	53	37	88	96	129	131
Bypass/Spill Mortality Rate	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%
Bypass/Spill Mortality (No. Fish)	13	76	6	16	4	5
Total Project Passage Survival (%)	93.4	88.7	90.6	88.8	86.7	86.4
10 Percentile Exceedance Flow	**May**		**June**		**July**	
Flow (cfs)	2202		1251		827	
Number of Fish	1000	1000	1000	1000	1000	1000
Turbine Mortality (No. Fish)	87	80	59	68	78	69
Bypass/Spill Mortality Rate	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%
Bypass/Spill Mortality (No. Fish)	1	16	9	23	14	41
Total Project Passage Survival (%)	91.2	90.4	93.2	90.9	90.8	89.0

Table 3-9: Percent Downstream Passage Survival for Adult Blueback Herring by Month and Flow Scenario at the Crescent Hydroelectric Project with the Acoustic Guidance System

Mean Monthly River Flow	**May**		**June**		**July**	
Flow (cfs)	6816		4006		2611	
Number of Fish	1000	1000	1000	1000	1000	1000
Turbine Mortality (No. Fish)	21	22	30	29	26	15
Bypass/Spill Mortality Rate	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%
Bypass/Spill Mortality (No. Fish)	25	93	25	90	23	90
Total Project Passage Survival (%)	95.4	88.5	94.5	88.1	95.1	89.5
90th Percentile Exceedance Flow	**May**		**June**		**July**	
Flow (cfs)	14456		8130		5518	
Number of Fish	1000	1000	1000	1000	1000	1000
Turbine Mortality (No. Fish)	29	29	33	17	43	33
Bypass/Spill Mortality Rate	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%
Bypass/Spill Mortality (No. Fish)	27	106	25	85	30	95
Total Project Passage Survival (%)	94.4	86.5	94.2	89.8	92.7	87.2
10 Percentile Exceedance Flow	**May**		**June**		**July**	
Flow (cfs)	2202		1251		827	
Number of Fish	1000	1000	1000	1000	1000	1000
Turbine Mortality (No. Fish)	17	24	017	24	15	23
Bypass/Spill Mortality Rate	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%
Bypass/Spill Mortality (No. Fish)	17	81	17	88	19	89
Total Project Passage Survival (%)	96.6	89.5	96.6	88.8	96.6	88.8

3.3.2 Vischer Ferry

Table 3-10 and Table 3-11 provide total downstream passage survival estimates for juvenile BBH at the Vischer Ferry Project without and with the acoustic guidance system respectively. Overall survival estimates for Vischer Ferry were similar to but slightly higher than the estimates at Crescent without operation of the acoustic guidance system. Due to the higher efficiency of the acoustic guidance system (96%) however, survival is higher (about 97%) assuming a 3% bypass mortality rate but lower (about 88%) assuming a 11.7% bypass mortality Rate. Table 3-12 and Table 3-13 provide downstream passage survival estimates for adult BBH without and with the acoustic guidance system respectively. Survival rates without the guidance system are more variable and dependent on flow distribution. Due to the high effectiveness of the acoustic guidance system, the survival estimates essentially mirror the assumed bypass survival rates (i.e., about 88% or 97%).

Table 3-10: Percent Downstream Passage Survival for Juvenile Blueback Herring by Month and Flow Scenario at the Vischer Ferry Hydroelectric Project without the Acoustic Guidance System

Mean Monthly River Flow	**July**		**August**		**September**		**October**		**November**	
Flow (cfs)	1987		1381		1801		3130		5114	
Number of Fish	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Turbine Mortality (No. Fish)	32	33	22	31	20	20	21	29	33	35
Bypass/Spill Mortality Rate	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%
Bypass/Spill Mortality (No. Fish)	0	10	1	7	1	7	0	1	0	2
Total Project Passage Survival (%)	96.8	95.7	97.7	96.2	97.9	97.3	97.9	97.0	96.7	96.3
90th Percentile Exceedance Flow	**July**		**August**		**September**		**October**		**November**	
Flow (cfs)	4837		3007		3641		6837		10622	
Number of Fish	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Turbine Mortality (No. Fish)	32	30	21	20	18	21	37	38	21	18
Bypass/Spill Mortality Rate	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%
Bypass/Spill Mortality (No. Fish)	1	3	0	8	0	6	0	6	12	50
Total Project Passage Survival (%)	96.7	96.7	97.9	97.2	98.2	97.3	96.3	95.6	96.7	93.2
10 Percentile Exceedance Flow	**July**		**August**		**September**		**October**		**November**	
Flow (cfs)	232		108		135		448		1236	
Number of Fish	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Turbine Mortality (No. Fish)	0	0	0	0	0	0	37	35	27	26
Bypass/Spill Mortality Rate	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%
Bypass/Spill Mortality (No. Fish)	32	116	34	112	33	121	7	22	0	14
Total Project Passage Survival (%)	96.8	88.4	96.6	88.8	96.7	87.9	95.6	94.3	97.3	96.0

Table 3-11: Percent Downstream Passage Survival for Juvenile Blueback Herring by Month and Flow Scenario at the Vischer Ferry Hydroelectric Project with the Acoustic Deterrent System

Mean Monthly River Flow	**July**		**August**		**September**		**October**		**November**	
Flow (cfs)	2560		1954		2374		3703		5687	
Number of Fish	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Turbine Mortality (No. Fish)	3	0	0	1	0	1	1	1	3	0
Bypass/Spill Mortality Rate	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%
Bypass/Spill Mortality (No. Fish)	23	119	27	108	31	111	34	126	31	112
Total Project Passage Survival (%)	97.4	88.1	97.3	89.1	96.9	88.8	96.5	87.3	96.6	88.8
90th Percentile Exceedance Flow	**July**		**August**		**September**		**October**		**November**	
Flow (cfs)	5410		3580		4214		7410		11195	
Number of Fish	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Turbine Mortality (No. Fish)	4	1	0	2	3	0	1	0	1	3
Bypass/Spill Mortality Rate	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%
Bypass/Spill Mortality (No. Fish)	31	96	26	131	24	109	30	94	26	121
Total Project Passage Survival (%)	96.5	90.3	97.4	86.7	97.3	89.1	96.9	90.6	97.3	87.6
10 Percentile Exceedance Flow	**July**		**August**		**September**		**October**		**November**	
Flow (cfs)	811		681		708		1021		1809	
Number of Fish	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Turbine Mortality (No. Fish)	0	0	0	0	0	0	0	0	0	1
Bypass/Spill Mortality Rate	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%
Bypass/Spill Mortality (No. Fish)	28	113	27	115	31	112	25	105	34	110
Total Project Passage Survival (%)	97.2	88.7	97.3	88.5	96.9	88.8	97.5	89.5	96.6	88.9

Table 3-12: Percent Downstream Passage Survival for Adult Blueback Herring by Month and Flow Scenario at the Vischer Ferry Hydroelectric Project without the Acoustic Deterrent System

Mean Monthly River Flow	**May**		**June**		**July**	
Flow (cfs)	6683		3928		2560	
Number of Fish	1000	1000	1000	1000	1000	1000
Turbine Mortality (No. Fish)	133	121	70	75	75	79
Bypass/Spill Mortality Rate	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%
Bypass/Spill Mortality (No. Fish)	1	2	0	3	0	4
Total Project Passage Survival (%)	86.6	87.7	93.0	92.2	92.5	91.7
90th Percentile Exceedance Flow	**May**		**June**		**July**	
Flow (cfs)	14174		7971		5410	
Number of Fish	1000	1000	1000	1000	1000	1000
Turbine Mortality (No. Fish)	67	50	93	80	94	82
Bypass/Spill Mortality Rate	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%
Bypass/Spill Mortality (No. Fish)	7	67	3	15	0	0
Total Project Passage Survival (%)	92.6	88.3	90.4	90.5	90.6	91.8
10 Percentile Exceedance Flow	**May**		**June**		**July**	
Flow (cfs)	2159		1226		811	
Number of Fish	1000	1000	1000	1000	1000	1000
Turbine Mortality (No. Fish)	61	62	111	89	0	0
Bypass/Spill Mortality Rate	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%
Bypass/Spill Mortality (No. Fish)	14	4	0	15	21	114
Total Project Passage Survival (%)	93.8	93.4	88.9	89.6	97.9	88.6

Table 3-13: Percent Downstream Passage Survival for Adult Blueback Herring by Month and Flow Scenario at the Vischer Ferry Hydroelectric Project with the Acoustic Deterrent System

Mean Monthly River Flow	**May**		**June**		**July**	
Flow (cfs)	6683		3928		2560	
Number of Fish	1000	1000	1000	1000	1000	1000
Turbine Mortality (No. Fish)	5	2	1	2	5	1
Bypass/Spill Mortality Rate	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%
Bypass/Spill Mortality (No. Fish)	28	114	31	115	34	106
Total Project Passage Survival (%)	96.7	88.4	96.8	88.3	96.1	89.3
90th Percentile Exceedance Flow	**May**		**June**		**July**	
Flow (cfs)	14174		7971		5410	
Number of Fish	1000	1000	1000	1000	1000	1000
Turbine Mortality (No. Fish)	7	5	5	4	3	2
Bypass/Spill Mortality Rate	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%
Bypass/Spill Mortality (No. Fish)	32	120	33	117	34	116
Total Project Passage Survival (%)	96.1	87.5	96.2	87.9	96.3	88.2
10 Percentile Exceedance Flow	**May**		**June**		**July**	
Flow (cfs)	2159		1226		811	
Number of Fish	1000	1000	1000	1000	1000	1000
Turbine Mortality (No. Fish)	0	4	0	1	0	0
Bypass/Spill Mortality Rate	3.0%	11.7%	3.0%	11.7%	3.0%	11.7%
Bypass/Spill Mortality (No. Fish)	27	123	28	126	32	122
Total Project Passage Survival (%)	97.3	87.3	97.2	87.3	96.8	87.8

4 Discussion

Estimates of total station downstream passage survival for adult and juvenile BBH for most months and under most river flow conditions range between 85-98%. For both lifestages, total station survival estimates are largely driven by bypass/spillway survival rates.

The Power Authority currently implements an acoustic guidance system to guide BBH toward notches in the flashboards as a preferred passage route compared to passing through the turbines. Data supports the conclusion that the acoustic guidance systems at both Projects are effective at directing downstream migrating BBH away from the turbine intakes as intended. Additionally, the Power Authority maintains minimum flows to support downstream passage and prioritizes turbine operation such that the Kaplan Units (the more fish friendly units) are the first on and last off at these run-of-river Projects. Assessment of the guidance system at Vischer Ferry for adults indicated a 96% effectiveness rate (Ross 2002). Testing of the system at Crescent indicated 76% effectiveness at a minimum. Therefore, the vast majority of downstream migrating BBH avoid turbine passage.

There is, however, some level of mortality associated with use of the bypass. It is likely that bypass mortality is about 3%, which is similar to turbine passage survival for juvenile BBH through the Kaplan Units. These survival rates are supported by empirical testing at Crescent (RMC 1992) and are consistent with the TBSA model results (Table 3-5). Also, all flow scenarios considered provided consistent results of total project survival greater than 95% for juveniles assuming a 3% bypass mortality.

Adult BBH are nearly 3 times as long as Juvenile BBH. Therefore, they are expected to experience lower turbine passage survival rates. This is particularly true for the Francis Units. The effectiveness of the acoustic guidance systems, however, indicates that relatively few adult BBH are exposed to turbine passage as a downstream passage route. Unlike juvenile BBH that must pass downstream to complete their lifecycle, many adult BBH will die after spawning and only a portion actively migrate downstream to return as repeat spawners.

Spawning stock characteristics of river herring in the Hudson River Estuary and tributaries, including the Mohawk River, were included as part of river herring stock assessments (ASMFC, 2017). The assessments included data on repeat spawners. When BBH transition from the marine to freshwater environment in the spring to spawn, the environmental change leaves characteristic marks on the scales called spawning marks or checks. Repeat spawners were determined by the presence of spawning marks observed while aging the fish by analyzing their scales (NAI, 2007). The percentage of repeat spawners differed for male and female BBH. Repeat spawner estimates were based on 9 yrs of data from 1989-90 and 2009-15 and collectively included fish from the Hudson and Mohawk rivers (ASMFC, 2017). Repeat spawners were estimated to include 21.0% of the 1,401 male and 26.1% of the 1,232 female BBH evaluated. A combined 23.4% of the 2,633 BBH analyzed were repeat spawners. There is additional repeat spawner analysis based on fish collected from 1999-2001 (NAI, 2007). However, analysis of these fish used a different methodology for evaluating spawning marks and because it is not directly comparable to the data provided above; ASMFC (2017) states that comparison between these datasets should be made with extreme caution. Since the data are available and Mohawk River data can be identified separately, it is presented here. As with the previous data, the percentage of repeat spawners differed based on gender. It also differed based on the Hudson River geographic region as a whole compared to the Mohawk River.

Approximately 26% of the female and 13% of the male BBH from the Hudson River geographic region were repeat spawners. Data from Mohawk River BBH indicated that 10% of the females and 9.5% of the males were repeat spawners (NAI 2007).

The Barge Canal provides the upstream passage route for BBH to exist upstream of Cohoes Falls. It also, to some unknown degree, provides a downstream passage route. Lock operation occurs during daylight hours from May through early November and frequency of operation is based on demand. Therefore, operation occurs throughout the expected downstream migration period but downstream passage through the locks for adult and juvenile BBH is likely variable based on frequency of operation during migration conditions. However, there are indications of lock usage.

A radio telemetry study of downstream migrating adult BBH was conducted to assess the effect of the acoustic guidance system at Crescent in 2009 (Kleinschmidt, 2009). Between May 31 and June 5, a total of 102 adult BBH were tagged with radio transmitters and released approximately 2 miles upstream of the Crescent Project. Monitoring of tagged fish consisted of daily mobile tracking as well as fixed location receivers. Thirty-four of the tagged BBH were detected by the fixed receivers and most (32/34) were detected in the main channel (i.e. the east side channel away from the powerhouse). Eight of 34 test specimens were last documented at the entrance to the Waterford Flight (Kleinschmidt 2009).

It should be noted that this study was conducted prior to reconfiguration of the acoustic guidance system which was designed to direct fish toward the eastern river channel where the canal entrance is located. Therefore, while the 2009 configuration appeared to effectively guide adult BBH to the main channel away from the powerhouse, this was further enhanced by the reconfiguration of the guidance system. The reconfiguration, as discussed in section 2.2, consisted of re-aiming the four westerly ultrasonic projectors upriver at 45 degrees toward the main channel. Surveys conducted on juvenile BBH in 2012, showed an increase in guidance system effectiveness (i.e. more fish directed toward the main channel). Since the entrance to the Waterford Flight is in the main channel, it can be assumed that an increased percentage of downstream migrants would encounter and subsequently use the Barge Canal as a means of downstream passage compared to previous configurations of the acoustic deterrent system such as those investigated in 2009 and described above.

To some degree, it is also likely that BBH pass through Lock E-7 at Vischer Ferry as well. The acoustic guidance system at Vischer Ferry projects a sound field toward the West side of the river where the Barge Canal is located. As total station survival estimates are being evaluated for the Projects, it is important to acknowledge that a portion of the migrating population would use the Barge Canal.

The results of this evaluation indicate a high downstream passage success rate for juvenile and adult BBH at the Vischer Ferry and Crescent Projects. Data indicates that survival rates are especially high when coupled with the acoustic guidance systems. As such, the results of this evaluation and use of the TBSA model provide a useful tool for understanding BBH downstream passage at the Projects.

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Normandeau, 2014a. Summary Report – Juvenile American Shad Radio-Tagging Assessment at Vernon Dam, 2014. Prepared for TransCanada Hydro Northeast Inc. November 2014.

Normandeau. 2014b. Abundance of Juvenile American Shad in Lower Vernon Pool During 2013. Vermont Yankee/Connecticut River System Analytical Bulletin No. 94. Prepared for Entergy Nuclear Vermont Yankee LLC, Vernon, Vermont.

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Appendix A

Annotated Bibliography

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Annotated Bibliography

Alden Research Laboratory. Estimating Total Passage Survival for Fish Migrating Downstream at Hydropower Projects.

Fish passage at hydroelectric facilities can result in mortality unless effective fish guidance and exclusion systems are put into place. Passage survival was estimated for Atlantic Salmon smolts and kelts (post-spawned adults) encountering the 15 hydroelectric dams on the Penobscot River in ME, USA. The study approach included theoretical estimates of turbine passage survival and literature-based estimates of spillway and bypass survival at a range of river flows that the Salmon would likely encounter based on life stage. Average survival for smolts ranged from 85.7% to 92.5% and for kelts ranged from 44.7% to 93.7%. Total project survival for kelt was higher compared to smolt due to bar rack spacing excluding them from turbine entrainment. Additionally, kelt bypass efficiencies were set higher due to greater swimming ability and reluctance of larger fish to enter the intake rack structures if possible. Highest kelt survival rating was during low flows when bypass structures were most utilized. Total project survival for smolts fluctuated at low river flows due to unit cycling but survival rates level off when turbines are operated at full load.

Castros-Santos, T., Mulligan, K. B., Kieffer, M. & Haro, A. 2020. Effects of Plunge Pool Configuration on Downstream Passage Survival of Juvenile Blueback Herring. Aquaculture and Fisheries. https://doi.org/10.1016/j.aaf.2020.05.006.

Juvenile Blueback Herring (JBBH) are fragile animals and are at high risk of injury when passing hydroelectric facilities from turbines and downstream bypasses. Bypasses that discharge into plunge pools can cause mechanically injury or death from shear force or turbulence. Studies conducted on live, actively migrating JBBH were exposed to a suite of plunge pool conditions based on depth and flow to determine survivability.

All conditions were configured with a 3-meter drop from the head pond to the mean water surface level of the plunge pool. Depths of the plunge pool were approximately 60, 120, or 180 cm deep with a discharge of 1.7m^3/s. A low flow condition was also tested, which had a discharge of 0.3m^3/s and a pool depth of 120 cm. A total of 1,655 JBBH were subjected to one of the four conditions and monitoring occurred for over 96 hours after entering the plunge pools.

Survival was higher than anticipated with over 80% survival rates in all cases. Greatest survival was associated with the lower flow treatment (0.3m^3/s with 120cm depth) and the least survival was associated with the high flow, low-depth treatment (1.7m^3/s and 60 cm depth). The treatment with the depth of 120 cm and 1.7m^3/s flow closely corresponds with recommended volume:bypass discharge ratios for low-head dams. Mortality was seen past the 24-48 hours mark which is the most common timeframe to monitor JBBH post-passage, indicating previously done studies could have terminated too early and underestimated overall mortality rates.

Chas. T. Main, Inc. 1984. Studies of Juvenile Blueback Herring Downstream Migration in the Lower Mohawk River. The New York Power Authority.

This study was conducted in 1983 to assess the downstream Blueback Herring migration in relation to the Vischer Ferry and Crescent hydroelectric projects. Sampling was conducted at the Vischer Ferry project with electrofishing and trawl nets during the peak outmigration times. The objectives of the study were; to determine relative effectiveness of the electrofisher and the Cobb trawl below the power canal, determine the timing of annual migration, the usage of each of the three potential avenues of outmigration by juvenile herring, and the relative abundance of juvenile herring using each of the avenues.

Hattala Kathryn A. and Andrew W. Kahnle. 2011. Sustainable Fishing Plan for New York River Herring Stocks. New York State Department of Environmental Conservation.

The Atlantic States Marine Fisheries Commission requires a plan to demonstrate a sustainable fishery that will not damage future reproduction. This document proposes river herring (alewife and blueback herring) restrictions on commercial and recreational fisheries in New York. This document outlines the current stock status of the various river herring fisheries in New York. Additionally, sustainable fisheries in the Hudson River and its tributaries are proposed, while other fishery closures are outlined.

Hattala, K., M. Dufour, R. Adams and A. Kahnle. 2010. Status of New York River Herring. Bureau of Marine Resources, Hudson River Fisheries Unit & Hudson River Estuary Program.

This presentation defines the current status of the River Herring fishery in New York state in relation to Atlantic States Marine Fisheries Commission regulations. New York needs to define a new fishery plan by 2012 in compliance with Amendment 2 of the Interstate Fisheries Management Plan for Shad and River herring. The Hudson River state shows a decline in spawning stock and survival of spawning adults. Currently there are no recreational limits, and very few commercial limits in place on the fishery.

B. Lenz. 2014. Increased Downriver Passage of Juvenile Blueback Herring after Reconfiguring an Ultrasonic Field. Engineering and Ecohydrology for Fish Passage.

This presentation describes a study at Crescent hydroelectric project on the Mohawk River where an ultrasonic field was used to control downstream fish passage. The ultrasonic field was reconfigured after the previous configuration was deemed effective but in need of improvement. The field was reconfigured and the deterrence rate increased to 76%, which was a 45% increase in deterrence rates from the prior configuration. Strong diurnal activity patterns of downstream migrations were also observed during this study.

Mathur, Dilip, Paul G. Heisey, Kevin J. McGrath, Thomas R Tatham. 1996. Juvenile Blueback Herring (Alosa aestivalis) Survival via Turbine and Spillway. Water Resources Bulletin, 32(1), 155–161.

Survival of juvenile blueback herring through various downstream passage routes (spillway, or turbines) was examined at the Crescent Hydroelectric project on the Mohawk River. Prior studies had suggested low turbine passage survival rates therefor spillway passage was recommended. This study utilized a tag recaptured method to compare survival rates of passed fish versus control fish. Survival rates were very high for both fish that had spilled over the dam and fish that had passed through the turbine. Although rates of survival over the spillway were high during this study, it is recommended that this route of passage be used cautiously and be examined on a site-specific basis.

McBride, Norman. 2009. Lower Mohawk River Fisheries. Proceedings from the 2009 Mohawk Watershed Symposium, 51-54.

This study provides an overview on the history of the lower Mohawk River fishery specifically the smallmouth bass fishery. Since studies in the 1980s the smallmouth fishery has evolved from fish averaging 10 to 13 inches to fish over 14 inches. Freshwater drum have also become abundant in the river, along with a Northern Pike sport-fishery. The abundance of blueback herring in the lower Mohawk River, has declined since earlier studies. This overview requests an update to the 1994 management plan.

McBride, Norman. 1987. Interim Management Plan for Mohawk River Fisheries. New York State Department of Environmental Conservation.

Ongoing studies are compiled into a management plan to assist in providing direction in managing the fisheries of the lower Mohawk River. This document awaits the completion of a smallmouth bass study to complete the final management plan. This document addresses environmental protection issues including; hydropower, toxic substances, dredging, and a habitat inventory. It also includes specific species management plans for smallmouth bass, tiger musky, walleye and anadromous species. Additionally, public usage is explored and an objective to develop a public fishing brochure is created.

McBride, Norman. 1985. Distribution and Relative Abundance of Fish in the Lower Mohawk River. New York State Department of Environmental Conservation.

This report is the second part of a report on the Lower Mohawk River to better understand fisheries potential and management needs. Trap netting, electrofishing, and gill netting efforts were conducted between 1979 and 1983. A total of fifty-six fish species were recorded from the Lower Mohawk River during the sampling period. This is 12 species greater than the last survey of 1934, which suggests an evolving fisheries assemblage. Due to the barge canal system being a direct link to several watershed's, it is likely that the Mohawk River fishery will continue to change.

New York Power Authority. Hydroacoustic Studies of Downstream Passage of BBH at the Crescent Hydroelectric Project, 2013.

An ultrasonic projector array (122-128kMz broadband sound) was deployed at the Crescent Project from August to November 2012 to redirect juvenile Blueback Herring (BBH) from the intake channel to the main channel during their downstream migration. In 2008, a similar study at the Crescent Project demonstrated that the ultrasonic projectors were partially effective. In this 2012 study, the ultrasonic array was reconfigured and tested for efficacy.

Pelagic trawls and mobile acoustic surveys were used to determine density and abundance of juvenile BBH in the main channel region compared to the intake channel region. These surveys revealed juvenile BBH abundance was 35 times higher in the main channel compared to the intake channel. During peak migration (September 20 to October 14) continuous monitoring from a fixed-location transducer revealed that 76% of the downstream passage of juvenile BBH occurred through the main channel. These results demonstrated the efficacy of the newly configured ultrasonic array and improved downstream passage at the Crescent Project for the majority of out-migrating juvenile BBH.

New York State Department of Environmental Conservation. 2013. Bureau of Fisheries 2012-2013 Annual Report.

This document summarizes the significant fisheries activities that took place between 2012-2013 amongst the regional fisheries offices, hatcheries, and research stations. For example, in Region 4 on the Mohawk River a Blueback River Herring assessment was conducted. The State University of New York Environmental Science and Forestry collaborated with the Region 4 fisheries office to track blueback herring during their annual spawning run. 352 fish were collected and stomach analysis were conducted at each site. Male fish outnumbered female fish captured during the study. The catch was greatest during late May and dropped off greatly in late June. An analysis of the fishery suggests that adult spawning fish have decreased in size and quantity in this fishery.

RMC Environmental Services, Inc. 1992. Juvenile Blueback Herring (Alosa aestivalis) Survival in Powerhouse/Turbine Passage and Spillage over the Dam at the Crescent Hydroelectric Project, New York. New York Power Authority.

The New York Power Authority conducted studies to evaluate passage survival of juvenile blueback herring through the powerhouse at Crescent project. 125 fish were tagged and passed through the Crescent powerhouse, 125 fish were tagged and released by the exit pipe as controls, 110 juveniles were tagged and spilled over the dam, and 110 were tagged and released as controls into the dam pool. The recovery rate of fish at both test sites was greater than 84% at both sites. The immediate survival of fish that passed the powerhouse was 96% and the immediate survival of fish that spilled over the dam was 100%. The results indicate that survival through both the powerhouse and spillage over the dam was very high.

Ross, Quentin E. 2002. Final Report on Fish Protection Studies at the Crescent Hydroelectric Project. New York Power Authority.

This study examines the effectiveness of a fish bypass route at the Crescent hydroelectric project. The high frequency sound configuration used at Vischer Ferry was effective at deterring adult blueback herring. Due to a difference in river morphology the high frequency sound configuration was less effective at the Crescent project. It is recommended that the high frequency transducers be moved to replicate the feasibility study from 1997. It is also recommended that bypasses are installed at Dams A, B, and C.

Ross, Quentin E. 1999. Crescent and Vischer Ferry Projects (FERC #4678-030 and 4679-033) Final Report. New York Power Authority.

The FERC licenses for the Crescent and Vischer Ferry Projects required a study to be conducted to determine a safe method for downstream passage a fish that prevented turbine passage. A study was conducted between 1996 and 1998 to assess the impact of high frequency sound on downstream fish passage. It was determined that high frequency sound was highly effective on deterring young-of-year (YOY) blueback herring and adult blueback herring at the Vischer Ferry site. At the Crescent site, high frequency sound was only effective at deterring (YOY) blueback herring and was not an effective deterrent for adult herring.

Smith, Alexander J. 2018. Progress Report – Mohawk River Basin Action Agenda, Environmental Sustainability and Flood Hazard Risk Reduction. Mohawk River Basin Program.

An action agenda for the integration and ecosystem-based management called for an objective of environmental sustainability and flood hazard risk reduction. Historically the Mohawk River basin has sustained devasting flood damage from different flood events. The objective is to reduce risks of flood and create more resilient communities. Steps to this resiliency approach include: freeing the natural floodplain from constrictions, restoring natural river channel structure, moving critical structures out of floodplains, and providing earlier warning for communities. Additionally, this report describes a collaborative effort by NYS DEC and SUNY ESF to better understand the spawning patterns of river herring in the Hudson and Mohawk watersheds.

United States Geological Survey. 2015. U.S. Geological Survey, New York Water Science Center Newsletter, 20 (1).

This newsletter describes several research activities ongoing in New York state watersheds. For example, on the Mohawk River, there is a proposed research to conduct a fish community survey. The last fish community survey was done 30 years prior, and the fishery in the river has evolved since this last survey. Zebra mussels, freshwater drum, and northern pike have become abundant in the Mohawk River, which are distinct changes from the 1980's fishery. The NYS DEC and USGS plan to survey 24 separate locations during 2014 and 2015.

United States Geological Survey. 2012. Relative Abundance of Blueback Herring (Alosa aestivalis) in Relation to Permanent and Removeable Dams on the Mohawk River.

A primary goal of the Mohawk River Basin Action Agenda is to "understand and manage fish, wildlife, and their habitats in the Mohawk River". A requirement of this is to better understand the blueback herring population in the Mohawk River. The river herring is important to the striped bass, which is an important species to the local economies. The New York State Barge Canal system creates fish passage barriers, yet also adds connections to new habitats. A study to better understand herring passage at migration barriers, what habitats herring are using during the summer months, and analyze otolith chemistry to understand migratory characteristics will be conducted.

Wilder, Bellows Falls, and Vernon Fish Impingement, Entrainment and Survival Study. 2016 TransCanada Hydro Northeast Inc.

All Projects

Entrainment of fishes is variable based on body sizes and clear spacing on the intake racks. Entrainment at all projects for fishes between 0-4 inches is 71.3%, which drastically decreases to 22.9% for fishes in the 4-8 inch size category, followed by 5.3% at the 8-15 inch size category. Entrainment of larger fishes is unlikely (15-30 inches is 0.5% and above 30 inches 0%).

Survival of juvenile fish through the turbines was estimated at moderate-high to moderate due to small body size, while adult fish survival rates ranged from moderate-high to low. Species that have large body sizes as adults (northern pike, walleye, etc.) have the lowest overall survival rating when entrained.

Impingement for most species at the Wilder and Bellows Falls project is unlikely due to their large trash rack space. Vernon has a greater chance of impingement compared to the other two projects due to the

small clear spacing (1.75 in) at the intake racks.

Passage survival of American Eels is similar at the Bellows Falls and Vernon Project, with 94.4 and 91.6 percent passage survival, respectively. Wilder had the lowest American Eel passage survival of 53.3%. Passage survival at the Vernon Project for Adult Shad and Juvenile Shad was 100% and 94.8%, respectively.

Wilder

Blade strike for the single Francis turbine ranges from ~73-86.5% for fish between 4-8 inches in length, 49.5% for 15-inch fishes and 0% for 30-inch fishes. Survival estimates for the Kaplan turbines were much higher ranging from 85-99% (4-8 inches), 73-96% (15 inches) and 45-78% (30 inches).

Using radio telemetry, it was determined that adult American Eels primarily passed downstream via the Kaplan unit (71%) followed by the vertical Francis Unit 3 (22%) and the trash/ice sluice (7%). Adult American Eel downstream passage survival is dependent on passage route. The trash and ice sluice have the highest passage survival of 66.7% followed by passage through Units 1 and 2, with 62.0% survival, Unit 3 had the lowest passage survival of 24.8%. Total project survival estimate for adult American eel is 53.5%.

Bellows Falls

Blade strike for all three vertical Francis unit's survival estimates for smaller fish (4-8 inches) was ~87-97%, and for larger fish (15 and 30 inches) survival estimates ranged from 52-88%.

Using radio telemetry, it was determined that most American Eel traveled downstream via the three vertical Francis units (82%) followed by the trash/ice sluice (13%) and then the spillway (5%). Adult American Eel downstream passage survival is dependent on passage route. Units 1-3 had the highest passage survival of 98%, followed by the trash/ice sluice (83.3%), the spillway had 80% passage survival. Total passage survival fort American eels is 94.4%.

Vernon

Blade strike and estimated survival rates for the four vertical Kaplan turbines at Vernon is dependent on fish size. Fishes between 4 to 8 inches have a survival rate of ~78-98%, 15-inch fishes ~59-83% and fishes 30 inches long ~18-86%. Survival estimates for the Francis turbine ranged from ~80-96% for fishes between 4-8 inches, ~62-85% for 15-inch fishes, and 24-71% for 30-inch fishes.

Using radio telemetry, it was determined that adult American eels primarily passed downstream via the units, 43% of eels used the Kaplan units and 28% used the vertical Francis units. Total estimated passage survival for adult American eels is 91.6%.

Radio telemetry was also used to determine downstream passage routes and survival for American Shad at the Vernon Project in 2015. Passage was relatively evenly spilt across the fish pipe (25%), vertical Kaplan units 5-8 (20%) and the spillway (20%). All Shad that passed through the turbines (N=19) were also detected in the tailrace, providing evidence for high survival rates through the turbines (100%). Downstream passage of juvenile shad mainly occurred in the Kaplan units 5-8 (42%) followed by the vertical Francis units (20%). Survival rates for juvenile shad were estimated at 94.8%

Physical and hydraulic characteristics of hydroelectric dams for which HI-Z Tag turbine passage survival data are available for American Shad and Blueback Herring.

Data on blueback herring (BBH) and American shad (Shad) survival data is available for ten hydroelectric facilities on five river systems on the east coast/mid-Atlantic area from 1991 to 2015. Survival (1-hour survival) ranged from 67.8% to 100% for Shad and 93.6% to 96% for BBH. The Francis turbine had the lowest passage survival rate of 67.8% and lowest average of 86.5%, with a total of 12 studies conducted on this turbine type. The next most frequently studied turbine for fish passage is the Kaplan (n=5) which had an average of 96.2% survival rating. The number of blade and buckets ranged from 4 to 18, runner speed ranged from 74 to 257 rpm. Test discharge ranged from 591 cfs to 9,200 cfs. The average size of Shad was 110.6 mm (n=3,950) and the average size of BBH was 145mm (n=701).

School Street Compilation (Multiple studies from 2011 to 2018).

Studies from 2011 to 2018 were conducted to determine fishway effectiveness and passage survival for resident fish, American Eels and adult and juvenile Blueback Herring (BBH). Bypass evaluations provided evidence that resident fishes, American Eels and adult BBH were passing the facilities successfully with low mortalities. Approximately 82% of adult BBH passed via the fish bypass while 18% became entrained. Juvenile BBH survival ratings of passage were low and additional studies were conducted from 2012 to 2017 using PIT tags, acoustic cameras and sonar to monitor passage. Studies were frequently confounded by environmental factors, low sample sizes and handling stress of the fragile juvenile BBH. A desktop study was conducted in 2018 to evaluate the safety of passage routes and concluded that the best overall route was through entrainment. The NYSDEC and USFWS did not agree with the conclusions of this study and suggested other alternative modifications to the downstream fish bypass to improve survival rates for juvenile BBH. FERC determined that study obligations were met, and no alternatives would we implemented due to the potential cost and unknown impacts on the other fish populations, which were already determined to have successful passage through existing facilities.

Summary Table of survival and Malady-free estimates for juvenile American Shad passed through the Turners Fall Hydroelectric Project, October 2015.

Studies were conducted at the Turner Falls Hydroelectric Project in 2015 to investigate juvenile American Shad (shad) survivability when passing downstream at various facilities location. Juvenile shad at the Turner Falls dam can pass via Bascule Gate 1 or 4, with varying survivability rates depending on flow. At Bascule gate 1, one-hour direct survival rate of juvenile had was 69.4%, 47.7% and 75.6% for flows on 1,500, 2,500 and 5,000 cfs, respectively. At Bascule gate 4, one-hour direct survival rate of juvenile shad was 64.2%, 59.0% and 73.6% for flows on 1,500, 2,500 and 5,000 cfs, respectively. The higher flow of 5,000 cfs increased the number of fish capture alive, likely due to a deeper pool below the spillway. Boulders directly downstream of Bascule Gates 1 and 4 likely resulted in lower survival rates of juvenile shad under lower flow conditions. 30% of juvenile shad passing Gate 1 were injured compared to 44% of juvenile shad injured at Gate 4.

The rate of downstream movement from within the impoundment to downstream ranged from 0.01 RM/h to 1.6 RM/h with an average of 0.3RM/h. Out of the 148 juvenile shad tagged, 16 passed through the gatehouse into the power canal, these movements generally occurred during night. Approximately 43% of these juvenile shad exited the canal via the downstream bypass while the other 57% of fish were entrained. Most JBBH were entrained between 13:00 to 23:00, likely due to peak migration occurring during this time

frame.

Passage through the turbines had a 95% survival rate compared to compared to a 64% survival rate passing the dam via the gates. Passage from the power canal to Station No. 1 has a survival rate of 67.8% and 76.6% at unit 2/3 and unit 1, respectively.

Summary of passage routes taken by juvenile American Shad through Vernon, fall 2015.

Juvenile American Shad (shad) were radio tagged at the Vernon Project in 2015 to determine passage routes and survival. Out of the 270 radio tagged individuals, 226 passed downstream of the project (83.7%). The majority of juvenile shad (65%) passed via the turbines, while only 7.5% of the fish with a known passage route used the fish pipe. Most passage occurred late in the evening and approximately half the shad passed between 8,000 and 11,000 cfs. Median residency time in the forebay was approximately 0.6 hours (36 minutes) for juvenile shad that passed downstream, and 18.4 hours for fish that did not pass downstream.

Evidence from the hydroacoustic study and electrofishing efforts showed the Juvenile shad migrations were increasing through September, peaked in early October and declined late October.

Survival of juvenile shad was monitored for 48 hours to monitor for delayed mortality. Delayed mortality was high in both treatment and control fish, which inhibited a reliable 48-hour survival estimate. Only 4.4% of juvenile shad that were recaptured were injured directly after passing the turbines. 1-hour direct survival estimate for juvenile shad was 91.7% for the Francis Unit 4 and 95.2% for Kaplan Unit 8. The 1-hour direct survival rate at the nine different Francis turbines ranged from 77.1% to 95.3%. Based on this evaluation it was determined that juvenile shad passing through the Kaplan Units 5 through 8 may provide the highest survivability, followed by Francis Units 9 and 10. The smaller Francis Units 1 through 4 were determined to be the most unsuitable for juvenile shad passage.

Appendix B

Total Station Downstream Passage Survival Model Output

Vischer Ferry - Adult Shad - With Enhancement

Test Type					Data Summary			Turbine Discharge (cfs)				Mean Fish Length					Probability of Route Selection					Average Strike Probability					Number of Mortalities				
								Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5
Month	Age Class	Bypass Survival Rate	Flow (Percentile)	cfs	Turbine Strikes	Bypass Failures	Fish Passed	Kaplan	Kaplan	Francis	Francis	Kaplan	Kaplan	Francis	Francis	Bypass/Spill	Kaplan	Kaplan	Francis	Francis	Bypass/Spill	Kaplan	Kaplan	Francis	Francis	Bypass/Spill	Kaplan	Kaplan	Francis	Francis	Bypass/Spill
May	Adult	3%	Mean	6,683	5	28	967	1,511	1,511	1,500	1,500	9.9	9.4	10.0	9.8	9.7	1.0%	1.0%	1.0%	1.0%	96.0%	6.9%	6.5%	18.0%	17.7%	0%	0	0	3	2	28
May	Adult	11.7%	Mean	6,683	2	114	884	1,511	1,511	1,500	1,500	9.8	9.5	9.6	9.5	9.7	1.0%	1.0%	1.0%	1.0%	96.0%	6.8%	6.6%	17.3%	17.2%	0%	0	0	1	1	114
May	Adult	3%	90	14,174	7	32	961	1,820	1,820	1,500	1,500	9.7	10.1	9.8	9.9	9.7	1.1%	1.1%	0.9%	0.9%	96.0%	5.9%	6.1%	17.7%	17.9%	0%	1	0	3	3	32
May	Adult	11.7%	90	14,174	5	120	875	1,820	1,820	1,500	1,500	9.7	9.9	9.6	9.6	9.7	1.1%	1.1%	0.9%	0.9%	96.0%	5.9%	6.0%	17.3%	17.4%	0%	0	0	1	4	120
May	Adult	3%	10	2,159	0	27	973	1,498				9.8				9.7	4.0%	0%	0%	0%	96.0%	6.8%				0%	0				27
May	Adult	11.7%	10	2,159	4	123	873	1,498				9.6				9.7	4.0%	0%	0%	0%	96.0%	6.7%				0%	4				123
June	Adult	3%	Mean	3,928	1	31	968	1,633	1,633			9.6	9.7			9.7	2.0%	2.0%	0%	0%	96.0%	6.3%	6.3%			0%	0	1			31
June	Adult	11.7%	Mean	3,928	2	115	883	1,633	1,633			9.4	9.6			9.7	2.0%	2.0%	0%	0%	96.0%	6.2%	6.3%			0%	1	1			115
June	Adult	3%	90	7,971	5	33	962	1,820	1,820	1,500	1,500	9.6	9.4	9.7	9.3	9.7	1.1%	1.1%	0.9%	0.9%	96.0%	5.8%	5.7%	17.4%	16.8%	0%	2	1	1	1	33
June	Adult	11.7%	90	7,971	4	117	879	1,820	1,820	1,500	1,500	9.6	9.6	10.0	9.8	9.7	1.1%	1.1%	0.9%	0.9%	96.0%	5.8%	5.8%	18.0%	17.6%	0%	0	0	3	1	117
June	Adult	3%	10	1,226	0	28	972	565				10.0				9.7	4.0%	0%	0%	0%	96.0%	11.0%				0%	0				28
June	Adult	11.7%	10	1,226	1	126	873	565				9.7				9.7	4.0%	0%	0%	0%	96.0%	10.7%				0%	1				126
July	Adult	3%	Mean	2,560	5	34	961	950	950			9.4	9.8			9.7	2.0%	2.0%	0%	0%	96.0%	8.6%	8.9%			0%	2	3			34
July	Adult	11.7%	Mean	2,560	1	106	893	950	950			9.6	9.9			9.7	2.0%	2.0%	0%	0%	96.0%	8.8%	9.1%			0%	1	0			106
July	Adult	3%	90	5,410	3	34	963	1,624	1,624	1,500		10.0	9.5	9.7		9.7	1.4%	1.4%	1.3%	0%	96.0%	6.6%	6.2%	17.4%	0.0%	0%	0	0	3		34
July	Adult	11.7%	90	5,410	2	116	882	1,624	1,624	1,500		10.0	9.7	9.8		9.7	1.4%	1.4%	1.3%	0%	96.0%	6.5%	6.4%	17.7%	0.0%	0%	0	1	1		116
July	Adult	3%	10	811	0	32	968									9.7	0%	0%	0%	0%	100%	0.0%				0%					32
July	Adult	11.7%	10	811	0	122	878									9.7	0%	0%	0%	0%	100%	0.0%				0%					122
August	Adult	3%	Mean	1,954	1	30	969	1,293				9.8				9.7	4.0%	0%	0%	0%	96.0%	7.6%				0%	1				30
August	Adult	11.7%	Mean	1,954	3	121	876	1,293				9.7				9.7	4.0%	0%	0%	0%	96.0%	7.5%				0%	3				121
August	Adult	3%	90	3,580	2	27	971	1,459	1,459			9.4	9.7			9.7	2.0%	2.0%	0%	0%	96.0%	6.7%	6.9%			0%	0	2			27
August	Adult	11.7%	90	3,580	2	118	880	1,459	1,459			9.7	9.7			9.7	2.0%	2.0%	0%	0%	96.0%	6.9%	6.9%			0%	0	2			118
September	Adult	3%	Mean	2,374	0	32	968	1,713				9.6				9.7	4.0%	0%	0%	0%	96.0%	6.1%				0%	0				32
September	Adult	11.7%	Mean	2,374	3	114	883	1,713				9.8				9.7	4.0%	0%	0%	0%	96.0%	6.2%				0%	3				114
September	Adult	3%	90	4,214	4	35	961	1,776	1,776			9.7	9.8			9.7	2.0%	2.0%	0%	0%	96.0%	5.9%	6.0%			0%	4	0			35
September	Adult	11.7%	90	4,214	3	124	873	1,776	1,776			9.7	9.7			9.7	2.0%	2.0%	0%	0%	96.0%	6.0%	6.0%			0%	2	1			124
October	Adult	3%	Mean	3,703	5	22	973	1,521	1,521	1,500		9.8	9.6			9.7	2.0%	2.0%	0%	0%	96.0%	6.8%	6.6%			0%	2	3			22
October	Adult	11.7%	Mean	3,703	2	121	877	1,521	1,521	1,500		9.7	9.7			9.7	2.0%	2.0%	0%	0%	96.0%	6.7%	6.7%			0%	0	2			121
November	Adult	3%	Mean	5,687	8	30	962	1,763	1,763	1,500		9.7	9.7	9.5		9.7	1.4%	1.4%	1.2%	0%	96.0%	6.0%	6.0%	17.0%		0%	2	3	3		30
November	Adult	11.7%	Mean	5,686	0	101	899	1,763	1,763	1,500		9.8	9.6	9.8		9.7	1.4%	1.4%	1.2%	0%	96.0%	6.0%	6.0%	17.7%		0%	0	0	0		101

Vischer Ferry - Juvenile Shad - With Enhancement

Test Type					Data Summary			Turbine Discharge (cfs)				Mean Fish Length					Probability of Route Selection					Average Strike Probability					Number of Mortalities				
								Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5
Month	Age Class	Bypass Survival Rate	Flow (Percentile)	cfs	Turbine Strikes	Bypass Failures	Fish Passed	Kaplan	Kaplan	Francis	Francis	Kaplan	Kaplan	Francis	Francis	Bypass/Spill	Kaplan	Kaplan	Francis	Francis	Bypass/Spill	Kaplan	Kaplan	Francis	Francis	Bypass/Spill	Kaplan	Kaplan	Francis	Francis	Bypass/Spill
July	Juvenile	3%	Mean	2,560	3	23	974	950	950	1,500		3.3	3.4			3.4	2.0%	2.0%	0%	0%	96.0%	3.1%	3.1%			0%	1	2			23
July	Juvenile	11.7%	Mean	2,560	0	119	881	950	950	1,500		3.4	3.5			3.4	2.0%	2.0%	0%	0%	96.0%	3.2%	3.2%			0%	0	0			119
July	Juvenile	3%	90	5,410	4	31	965	1,624	1,624	1,500		3.4	3.4	3.5		3.4	1.4%	1.4%	1.3%	0%	96.0%	2.2%	2.2%	6.3%		0%	0	0	4		31
July	Juvenile	11.7%	90	5,410	1	96	903	1,624	1,624	1,500		3.3	3.2	3.5		3.4	1.4%	1.4%	1.3%	0%	96.0%	2.2%	2.1%	6.2%		0%	0	0	1		96
July	Juvenile	3%	10	811	0	28	972									3.4	0.0%	0.0%	0.0%	0%	100%					0%					28
July	Juvenile	11.7%	10	811	0	113	887									3.4	0.0%	0.0%	0.0%	0%	100%					0%					113
August	Juvenile	3%	Mean	1,954	0	27	973	1,293				3.4				3.4	4.0%	0%	0%	0%	96.0%	2.6%				0%	0				27
August	Juvenile	11.7%	Mean	1,954	1	108	891	1,293				3.5				3.4	4.0%	0%	0%	0%	96.0%	2.7%				0%	1				108
August	Juvenile	3%	90	3,580	0	26	974	1,459	1,459			3.4	3.5			3.4	2.0%	2.0%	0%	0%	96.0%	2.4%	2.5%			0%	0	0			26
August	Juvenile	11.7%	90	3,580	2	131	867	1,459	1,459			3.4	3.4			3.4	2.0%	2.0%	0%	0%	96.0%	2.4%	2.4%			0%	1	1			131
August	Juvenile	3%	10	681	0	27	973									3.4	0%	0%	0%	0%	100%					0%					27
August	Juvenile	11.7%	10	681	0	115	885									3.4	0%	0%	0%	0%	100%					0%					115
September	Juvenile	3%	Mean	2,374	0	31	969	1,713				3.4				3.4	4.0%	0%	0%	0%	96.0%	2.2%				0%	0				31
September	Juvenile	11.7%	Mean	2,374	1	111	888	1,713				3.5				3.4	4.0%	0%	0%	0%	96.0%	2.2%				0%	1				111
September	Juvenile	3%	90	4,214	3	24	973	1,776	1,776			3.3	3.3			3.4	2.0%	2.0%	0%	0%	96.0%	2.0%	2.1%			0%	1	2			24
September	Juvenile	11.7%	90	4,214	0	109	891	1,776	1,776			3.5	3.5			3.4	2.0%	2.0%	0%	0%	96.0%	2.1%	2.1%			0%	0	0			109
September	Juvenile	3%	10	708	0	31	969									3.4	0%	0%	0%	0%	100%					0%					31
September	Juvenile	11.7%	10	708	0	112	888									3.4	0%	0%	0%	0%	100%					0%					112
October	Juvenile	3%	Mean	3,703	1	34	965	1,521	1,521			3.4	3.5			3.4	2.0%	2.0%	0%	0%	96.0%	2.3%	2.4%			0%	0	1			34
October	Juvenile	11.7%	Mean	3,703	1	126	873	1,521	1,521			3.4	3.4			3.4	2.0%	2.0%	0%	0%	96.0%	2.4%	2.3%			0%	0	1			126
October	Juvenile	3%	90	7,410	1	30	969	1,820	1,820	1,500	1,500	3.5	3.4	3.2	3.3	3.4	1.1%	1.1%	0.9%	0.9%	96.0%	2.1%	2.1%	5.9%	5.9%	0%	0	1	0	0	30
October	Juvenile	11.7%	90	7,410	0	94	906	1,820	1,820	1,500	1,500	3.4	3.5	3.4	3.5	3.4	1.1%	1.1%	0.9%	0.9%	96.0%	2.1%	2.1%	6.0%	6.3%	0%	0	0	0	0	94
October	Juvenile	11.7%	10	1,021	0	105	895									3.4	0%	0%	0%	0%	100%					0%					105
November	Juvenile	3%	Mean	5,687	3	31	966	1,763	1,763	1,500		3.4	3.3	3.5		3.4	1.4%	1.4%	1.2%	0%	96.0%	2.1%	2.1%	6.4%		0%	2	0	1		31
November	Juvenile	11.7%	Mean	5,687	0	112	888	1,763	1,763	1,500		3.4	3.4	3.3		3.4	1.4%	1.4%	1.2%	0%	96.0%	2.1%	2.1%	5.9%		0%	0	0	0		112
November	Juvenile	3%	90	11,195	1	26	973	1,820	1,820	1,500	1,500	3.5	3.4	3.3	3.3	3.4	1.1%	1.1%	0.9%	0.9%	96.0%	2.1%	2.1%	6.0%	6.0%	0%	0	0	1	0	26
November	Juvenile	11.7%	90	11,195	3	121	876	1,820	1,820	1,500	1,500	3.4	3.4	3.4	3.4	3.4	1.1%	1.1%	0.9%	0.9%	96.0%	2.1%	2.1%	6.2%	6.1%	0%	1	0	2	0	121
November	Juvenile	3%	10	1,809	0	34	966	1,148				3.4				3.4	4.0%	0%	0%	0%	96.0%	2.8%				0%	0				34
November	Juvenile	11.7%	10	1,809	1	110	889	1,148				3.4				3.4	4.0%	0%	0%	0%	96.0%	2.8%				0%	1				110

Vischer Ferry - Adult Shad - Distributed

Test Type					Data Summary			Turbine Discharge (cfs)				Mean Fish Length					Probability of Route Selection					Average Strike Probability					Number of Mortalities				
								Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5
Month	Age Class	Bypass Mortality Rate	Flow (Percentile)	cfs	Turbine Strikes	Bypass Failures	Fish Passed	Kaplan	Kaplan	Francis	Francis	Kaplan	Kaplan	Francis	Francis	Bypass/Spill	Kaplan	Kaplan	Francis	Francis	Bypass/Spill	Kaplan	Kaplan	Francis	Francis	Bypass/Spill	Kaplan	Kaplan	Francis	Francis	Bypass/Spill
May	Adult	3%	Mean	6,683	133	1	866	1,511	1,511	1,500	1,500	9.7	9.7	9.7	9.7	9.8	24.9%	24.9%	24.7%	24.7%	1.0%	6.7%	6.7%	17.5%	17.4%	0%	15	14	51	53	1
May	Adult	11.7%	Mean	6,683	121	2	877	1,511	1,511	1,500	1,500	9.7	9.7	9.7	9.8	9.3	24.9%	24.9%	24.7%	24.7%	1.0%	6.7%	6.7%	17.5%	17.6%	0%	18	15	46	42	2
May	Adult	3%	90	14,174	67	7	926	1,820	1,820	1,500	1,500	9.7	9.6	9.8	9.6	9.7	13.4%	13.4%	11.0%	11.0%	51.2%	5.8%	5.8%	17.7%	17.3%	0%	10	8	27	22	7
May	Adult	11.7%	90	14,174	50	67	883	1,820	1,820	1,500	1,500	9.7	9.7	9.8	9.7	9.7	13.4%	13.4%	11.0%	11.0%	51.2%	5.9%	5.8%	17.7%	17.5%	0%	10	4	16	20	67
May	Adult	3%	10	2,159	61	1	938	1,498				9.7				9.7	94.5%	0%	0%	0%	5.6%	6.8%				0%	61				1
May	Adult	11.7%	10	2,159	62	4	934	1,498				9.7				9.7	94.5%	0%	0%	0%	5.6%	6.7%				0%	62				4
June	Adult	3%	Mean	3,928	70	0	930	1,633	1,633			9.7	9.6			9.6	49.1%	49.1%	0%	0%	1.8%	6.4%	6.3%			0%	47	23			0
June	Adult	11.7%	Mean	3,928	75	3	922	1,633	1,633			9.7	9.7			9.5	49.1%	49.1%	0%	0%	1.8%	6.4%	6.3%			0%	38	37			3
June	Adult	3.0%	90	7,971	93	3	904	1,820	1,820	1,500	1,500	9.7	9.7	9.8	9.7	9.6	24.6%	24.6%	20.3%	20%	10.3%	5.9%	5.9%	17.6%	17.5%	0%	16	13	39	25	3
June	Adult	11.7%	90	7,971	80	15	905	1,820	1,820	1,500	1,500	9.7	9.7	9.7	9.7	9.7	24.6%	24.6%	20.3%	20%	10.3%	5.8%	5.8%	17.4%	17.5%	0%	10	12	34	24	15
June	Adult	3%	10	1,226	111	0	889	565				9.7				9.7	86.5%	0%	0%	0%	13.5%	10.6%				0%	111				0
June	Adult	11.7%	10	1,226	89	15	896	565				9.7				9.7	86.5%	0%	0%	0%	13.5%	10.7%				0%	89				15
July	Adult	3.0%	Mean	2,560	75	0	925	950	950			9.7	9.7			9.6	47.8%	47.8%	0%	0%	4.4%	8.8%	8.9%			0%	44	31			0
July	Adult	11.7%	Mean	2,560	79	4	917	950	950			9.7	9.7			9.7	47.8%	47.8%	0%	0%	4.4%	8.9%	8.8%			0%	31	48			4
July	Adult	3%	90	5,410	94	0	906	1,624	1,624	1,500		9.7	9.7	9.7		9.8	33.6%	33.6%	31.0%	0%	1.8%	6.4%	6.4%	17.5%		0%	24	20	50		0
July	Adult	11.7%	90	5,410	82	0	918	1,624	1,624	1,500		9.7	9.7	9.7		9.7	33.6%	33.6%	31.0%	0%	1.8%	6.4%	6.4%	17.4%		0%	16	23	43		0
July	Adult	3%	10	811	0	21	979									9.7	0%	0%	0%	0%	100%					0%					21
July	Adult	11.7%	10	811	0	114	886									9.7	0%	0%	0%	0%	100%					0%					114

Vischer Ferry - Juvenile Shad - Distributed

Test Type					Data Summary			Turbine Discharge (cfs)				Mean Fish Length					Probability of Route Selection					Average Strike Probability					Number of Mortalities				
								Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5
Month	Age Class	Bypass Mortality Rate	Flow (Percentile)	cfs	Turbine Strikes	Bypass Failures	Fish Passed	Kaplan	Kaplan	Francis	Francis	Kaplan	Kaplan	Francis	Francis	Bypass/Spill	Kaplan	Kaplan	Francis	Francis	Bypass/Spill	Kaplan	Kaplan	Francis	Francis	Bypass/Spill	Kaplan	Kaplan	Francis	Francis	Bypass/Spill
July	Juvenile	3%	Mean	2,560	32	0	968	950	950			3.4	3.4			3.3	47.8%	47.8%	0%	0%	4.4%	3.1%	3.1%			0%	16	16			0
July	Juvenile	11.7%	Mean	2,560	33	10	957	950	950			3.4	3.4			3.3	47.8%	47.8%	0%	0%	4.4%	3.1%	3.1%			0%	16	17			10
July	Juvenile	3%	90	5,410	32	1	967	1,624	1,624	1,500		3.4	3.4	3.4		3.4	33.6%	33.6%	31.0%	0%	1.8%	2.2%	2.3%	6.1%		0%	8	7	17		1
July	Juvenile	11.7%	90	5,410	30	3	967	1,624	1,624	1,500		3.4	3.4	3.4		3.4	33.6%	33.6%	31.0%	0%	1.8%	2.2%	2.2%	6.2%		0%	9	10	11		3
July	Juvenile	3%	10	811	0	32	968									3.4	0%	0%	0%	0%	100%					0%					32
July	Juvenile	11.7%	10	811	0	116	884									3.4	0%	0%	0%	0%	100%					0%					116
August	Juvenile	3%	Mean	1,954	22	1	977	1,293				3.4				3.4	93.6%	0%	0%	0%	6.4%	2.6%				0%	22				1
August	Juvenile	11.7%	Mean	1,954	31	7	962	1,293				3.4				3.4	93.6%	0%	0%	0%	6.4%	2.6%				0%	31				7
August	Juvenile	3%	90	3,580	21	0	979	1,459	1,459			3.4	3.4			3.4	48.5%	48.5%	0%	0%	2.9%	2.4%	2.4%			0%	16	5			0
August	Juvenile	11.7%	90	3,580	20	8	972	1,459	1,459			3.4	3.4			3.3	48.5%	48.5%	0%	0%	2.9%	2.4%	2.4%			0%	6	14			8
August	Juvenile	3%	10	681	0	34	966									3.4	0%	0%	0%	0%	100%					0%					34
August	Juvenile	11.7%	10	681	0	112	888									3.4	0%	0%	0%	0%	100%					0%					112
September	Juvenile	3%	Mean	2,374	20	1	979	1,713				3.4				3.4	95.1%	0%	0%	0%	4.9%	2.2%				0%	20				1
September	Juvenile	11.7%	Mean	2,374	20	7	973	1,713				3.4				3.4	95.1%	0%	0%	0%	4.9%	2.2%				0%	20				7
September	Juvenile	3%	90	4,214	18	0	982	1,776	1,776			3.4	3.4			3.4	48.8%	48.8%	0%	0%	2.4%	2.1%	2.1%			0%	9	9			0
September	Juvenile	11.7%	90	4,214	21	6	973	1,776	1,776			3.4	3.4			3.4	48.8%	48.8%	0%	0%	2.4%	2.1%	2.1%			0%	9	12			6
September	Juvenile	3%	10	708	0	33	967									3.4	0%	0%	0%	0%	100%					0%					33
September	Juvenile	11.7%	10	708	0	121	879									3.4	0%	0%	0%	0%	100%					0%					121
October	Juvenile	3%	Mean	3,703	21	0	979	1,521	1,521			3.4	3.4			3.4	48.6%	48.6%	0%	0%	2.8%	2.3%	2.3%			0%	13	8			0
October	Juvenile	11.7%	Mean	3,703	29	1	970	1,521	1,521			3.4	3.4			3.4	48.6%	48.6%	0%	0%	2.8%	2.3%	2.3%			0%	19	10			1
October	Juvenile	3%	90	7,410	37	0	963	1,820	1,820	1,500	1,500	3.4	3.4	3.4	3.4	3.4	26.6%	26.6%	21.9%	21.9%	2.9%	2.0%	2.1%	6.2%	6.1%	0%	6	7	2	22	0
October	Juvenile	11.7%	90	7,410	38	6	956	1,820	1,820	1,500	1,500	3.4	3.4	3.4	3.4	3.5	26.6%	26.6%	21.9%	21.9%	2.9%	2.0%	2.1%	6.2%	6.1%	0%	3	6	23	6	6
October	Juvenile	3%	10	1,021	37	7	956	360				3.4				3.4	80.4%	0%	0%	0%	19.6%	4.1%				0%	37				7
October	Juvenile	11.7%	10	1,021	35	22	943	360				3.4				3.4	80.4%	0%	0%	0%	19.6%	4.1%				0%	35				22
November	Juvenile	3%	Mean	5,687	33	0	967	1,763	1,763	1,500		3.4	3.4	3.4		3.4	34.5%	34.5%	29.3%	0%	1.7%	2.1%	2.1%	6.1%		0%	6	10	17		0
November	Juvenile	11.7%	Mean	5,687	35	2	963	1,763	1,763	1,500		3.4	3.4	3.4		3.4	34.5%	34.5%	29.3%	0%	1.7%	2.1%	2.1%	6.1%		0%	8	9	18		2
November	Juvenile	3%	90	11,195	21	12	967	1,820	1,820	1,500	1,500	3.4	3.4	3.4	3.3	3.4	17.1%	17.1%	14.1%	14.1%	37.5%	2.1%	2.0%	6.2%	6.0%	0%	2	0	12	7	12
November	Juvenile	11.7%	90	11,195	18	50	932	1,820	1,820	1,500	1,500	3.4	3.4	3.4	3.4	3.4	17.1%	17.1%	14.1%	14.1%	37.5%	2.1%	2.0%	6.2%	6.1%	0%	3	4	4	7	50
November	Juvenile	3%	10	1,809	27	0	973	1,148				3.4				3.4	92.9%	0%	0%	0%	7.1%	2.8%				0%	27				0
November	Juvenile	11.7%	10	1,809	26	14	960	1,148				3.4				3.4	92.9%	0%	0%	0%	7.1%	2.8%				0%	26				14

Crescent - Adult Shad - With Enhancement																												
Test Type					Data Summary			Turbine Discharge (cfs)				Mean Fish Length					Probability of Route Selection					Average Strike Probability					Number of Mortalities				
								Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5
Month	Age Class	Bypass Survival Rate	Flow (Percentile)	cfs	Turbine Strikes	Bypass Failures	Fish Passed	Kaplan	Kaplan	Francis	Francis	Kaplan	Kaplan	Francis	Francis	Bypass/Spill	Kaplan	Kaplan	Francis	Francis	Bypass/Spill	Kaplan	Kaplan	Francis	Francis	Bypass/Spill	Kaplan	Kaplan	Francis	Francis	Bypass/Spill
May	Adult	3%	Mean	6,816	21	25	954	1,783	1,783	1,500	1,500	9.7	9.8	9.8	9.8	9.7	6.5%	6.5%	5.5%	5.5%	76.0%	6.0%	6.0%	17.3%	17.4%	0%	3	5	7	6	25
May	Adult	12%	Mean	6,816	22	93	885	1,783	1,783	1,500	1,500	9.7	9.7	9.7	9.7	9.7	6.5%	6.5%	5.5%	5.5%	76.0%	5.9%	5.9%	17.3%	17.2%	0%	3	1	10	8	93
May	Adult	3%	90	14,465	29	27	944	1,820	1,820	1,500	1,500	9.6	9.7	9.7	9.8	9.7	6.6%	6.6%	5.4%	5.4%	76.0%	5.8%	5.9%	17.3%	17.4%	0%	2	2	12	13	27
May	Adult	12%	90	14,456	29	106	865	1,820	1,820	1,500	1,500	9.6	9.7	9.7	9.8	9.7	6.6%	6.6%	5.4%	5.4%	76.0%	5.8%	5.9%	17.3%	17.4%	0%	2	2	12	13	106
May	Adult	3%	10	2,202	17	17	966	976	976			9.8	9.7			9.7	12.0%	12.0%	0%	0%	76.0%	8.7%	8.7%			0%	10	7			17
May	Adult	12%	10	2,202	24	81	895	976	976			9.6	9.7			9.7	12.0%	12.0%	0%	0%	76.0%	8.6%	8.6%			0%	13	11			81
June	Adult	3%	Mean	4,006	30	25	945	1,128	1,128	1,500		9.7	9.8	9.7		9.7	7.2%	7.2%	9.6%	0%	76.0%	8.0%	8.1%	17.3%		0%	4	7	19		25
June	Adult	12%	Mean	4,006	29	90	881	1,128	1,128	1,500		9.8	9.6	9.7		9.7	7.2%	7.2%	9.6%	0%	76.0%	8.1%	7.9%	17.2%		0%	2	5	22		90
June	Adult	3%	90	8,130	33	25	942	1,820	1,820	1,500	1,500	9.7	9.7	9.7	9.8	9.7	6.6%	6.6%	5.4%	5.4%	76.0%	5.8%	5.8%	17.1%	17.4%	0%	4	6	9	14	25
June	Adult	12%	90	8,130	17	85	898	1,820	1,820	1,500	1,500	9.5	9.6	9.7	9.7	9.7	6.6%	6.6%	5.4%	5.4%	76.0%	5.8%	5.8%	17.2%	17.2%	0%	3	1	5	8	85
June	Adult	3%	10	1,251	17	17	966	1,001				9.7				9.7	24.0%	0%	0%	0%	76.0%	8.6%				0%	17				17
June	Adult	12%	10	1,251	24	88	888	1,001				9.7				9.7	24.0%	0%	0%	0%	76.0%	8.6%				0%	24				88
July	Adult	3%	Mean	2,611	26	23	951	1,180	1,180			9.7	9.7			9.7	12.0%	12.0%	0%	0%	76.0%	7.8%	7.9%			0%	18	8			23
July	Adult	12%	Mean	2,611	15	90	895	1,180	1,180			9.7	9.8			9.7	12.0%	12.0%	0%	0%	76.0%	7.8%	7.9%			0%	12	3			90
July	Adult	3%	90	5,518	43	30	927	1,134	1,134	1,500	1,500	9.6	9.7	9.7	9.7	9.7	5.2%	5.2%	6.8%	6.8%	76.0%	8.0%	8.0%	17.3%	17.2%	0%	10	7	17	9	30
July	Adult	12%	90	5,518	33	95	872	1,134	1,134	1,500	1,500	9.6	9.5	9.6	9.8	9.7	5.2%	5.2%	6.8%	6.8%	76.0%	8.0%	7.9%	17.1%	17.3%	0%	1	6	13	13	95
July	Adult	3%	10	827	15	19	966	577				9.7				9.7	24.0%	0%	0%	0%	76.0%	10.5%				0%	15				19
July	Adult	12%	10	827	23	89	888	577				9.8				9.7	24.0%	0%	0%	0%	76.0%	10.5%				0%	23				89
August	Adult	3%	10	695	34	16	950	445				9.7				9.7	24.0%	0%	0%	0%	76.0%	11.0%				0%	34				16
August	Adult	12%	10	695	30	85	885	445				9.7				9.7	24.0%	0%	0%	0%	76.0%	11.0%				0%	30				85

Crescent - Juvenile Shad - With Enhancement

Test Type					Data Summary			Turbine Discharge (cfs)				Mean Fish Length					Probability of Route Selection					Average Strike Probability					Number of Mortalities				
								Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5
Month	Age Class	Bypass Survival Rate	Flow (Percentile)	cfs	Turbine Strikes	Bypass Failures	Fish Passed	Kaplan	Kaplan	Francis	Francis	Kaplan	Kaplan	Francis	Francis	Bypass/Spill	Kaplan	Kaplan	Francis	Francis	Bypass/Spill	Kaplan	Kaplan	Francis	Francis	Bypass/Spill	Kaplan	Kaplan	Francis	Francis	Bypass/Spill
July	Juvenile	3%	Mean	2,611	10	22	968	1,180	1,180			3.4	3.4			3.4	12.0%	12.0%	0%	0%	76.0%	2.8%	2.8%			0%	6	4			22
July	Juvenile	11.7%	Mean	2,611	10	70	920	1,180	1,180			3.4	3.4			3.4	12.0%	12.0%	0%	0%	76.0%	2.8%	2.8%			0%	6	4			70
July	Juvenile	3%	90	5,518	9	26	965	1,134	1,134	1,500	1,500	3.4	3.4	3.4	3.4	3.4	5.2%	5.2%	6.8%	6.8%	76.0%	2.8%	2.8%	6.1%	6.1%	0%	0	1	4	4	26
July	Juvenile	11.7%	90	5,518	16	75	909	1,134	1,134	1,500	1,500	3.4	3.4	3.4	3.4	3.4	5.2%	5.2%	6.8%	6.8%	76.0%	2.8%	2.8%	6.0%	6.0%	0%	2	2	10	2	75
July	Juvenile	3%	10	827	7	29	964	577				3.4				3.4	24.0%	0%	0%	0%	76.0%	3.7%				0%	7				29
July	Juvenile	11.7%	10	827	7	107	886	577				3.4				3.4	24.0%	0%	0%	0%	76.0%	3.7%				0%	7				107
August	Juvenile	3%	Mean	1,993	1	28	971	1,743				3.4				3.4	24.0%	0%	0%	0%	76.0%	2.1%				0%	1				28
August	Juvenile	11.7%	Mean	1,993	9	92	899	1,743				3.4				3.4	24.0%	0%	0%	0%	76.0%	2.1%				0%	9				92
August	Juvenile	3%	90	3,651	10	24	966	1,701	1,701			3.4	3.4			3.4	12.0%	12.0%	0%	0%	76.0%	2.1%	2.2%			0%	1	9			24
August	Juvenile	11.7%	90	3,651	0	96	904	1,701	1,701			3.4	3.4			3.4	12.0%	12.0%	0%	0%	76.0%	2.2%	2.2%			0%	0	0			96
August	Juvenile	3%	10	695	11	21	968	445				3.4				3.4	24.0%	0%	0%	0%	76.0%	3.9%				0%	11				21
August	Juvenile	11.7%	10	695	10	92	898	445				3.4				3.4	24.0%	0%	0%	0%	76.0%	3.9%				0%	10				92
September	Juvenile	3%	Mean	2,422	8	21	971	1,086	1,086			3.4	3.4			3.4	12.0%	12.0%	0%	0%	76.0%	2.9%	2.9%			0%	2	6			21
September	Juvenile	11.7%	Mean	2,422	7	108	885	1,086	1,086			3.4	3.4			3.4	12.0%	12.0%	0%	0%	76.0%	2.8%	2.9%			0%	4	3			108
September	Juvenile	3%	90	4,298	7	26	967	1,274	1,274	1,500		3.4	3.5	3.3		3.4	7.6%	7.6%	8.9%	0%	76.0%	2.6%	2.7%	5.9%		0%	5	0	2		26
September	Juvenile	11.7%	90	4,298	14	82	904	1,274	1,274	1,500		3.4	3.4	3.4		3.4	7.6%	7.6%	8.9%	0%	76.0%	2.6%	2.7%	6.0%		0%	2	2	10		82
September	Juvenile	3%	10	722	16	22	962	472				3.4				3.4	24.0%	0%	0%	0%	76.0%	3.8%				0%	16				22
September	Juvenile	11.7%	10	722	9	93	898	472				3.4				3.4	24.0%	0%	0%	0%	76.0%	3.8%				0%	9				93
October	Juvenile	3%	Mean	3,777	4	18	978	1,763	1,763			3.4	3.4			3.4	12.0%	12.0%	0%	0%	76.0%	2.1%	2.1%			0%	2	2			18
October	Juvenile	11.7%	Mean	3,777	5	70	925	1,763	1,763			3.4	3.4			3.4	12.0%	12.0%	0%	0%	76.0%	2.1%	2.1%			0%	2	3			70
October	Juvenile	3%	90	7,557	11	21	968	1,820	1,820	1,500	1,500	3.4	3.4	3.4	3.4	3.4	6.6%	6.6%	5.4%	5.4%	76.0%	2.0%	2.0%	6.1%	6.1%	0%	6	1	2	2	21
October	Juvenile	11.7%	90	7,557	11	88	901	1,820	1,820	1,500	1,500	3.4	3.4	3.4	3.4	3.4	6.6%	6.6%	5.4%	5.4%	76.0%	2.1%	2.0%	6.0%	6.0%	0%	0	0	6	5	88
October	Juvenile	3%	10	1,042	6	20	974	792				3.4				3.4	24.0%	0%	0%	0%	76.0%	3.3%				0%	6				20
October	Juvenile	11.7%	10	1,042	7	84	909	792				3.4				3.4	24.0%	0%	0%	0%	76.0%	3.3%				0%	7				84
November	Juvenile	3%	Mean	5,800	11	20	969	1,275	1,275	1,500	1,500	3.5	3.4	3.4	3.4	3.4	5.5%	5.5%	6.5%	6.5%	76.0%	2.7%	2.6%	6.1%	6.0%	0%	2	4	1	4	20
November	Juvenile	11.7%	Mean	5,800	12	89	899	1,275	1,275	1,500	1,500	3.4	3.4	3.4	3.4	3.4	5.5%	5.5%	6.5%	6.5%	76.0%	2.6%	2.6%	6.0%	6.1%	0%	1	2	4	5	89
November	Juvenile	3%	90	11,417	4	23	973	1,820	1,820	1,500	1,500	3.4	3.4	3.4	3.4	3.4	6.6%	6.6%	5.4%	5.4%	76.0%	2.1%	2.0%	6.0%	6.1%	0%	0	0	3	1	23
November	Juvenile	11.7%	90	11,417	4	85	911	1,820	1,820	1,500	1,500	3.4	3.4	3.4	3.4	3.4	6.6%	6.6%	5.4%	5.4%	76.0%	2.1%	2.0%	6.0%	6.0%	0%	0	0	1	3	85
November	Juvenile	3%	10	1,845	5	20	975	1,595				3.4				3.4	24.0%	0%	0%	0%	76.0%	2.3%				0%	5				20
November	Juvenile	11.7%	10	1,845	7	80	913	1,595				3.4				3.4	24.0%	0%	0%	0%	76.0%	2.3%				0%	7				80

Crescent - Adult Shad - Distributed																												
Test Type					Data Summary			Turbine Discharge (cfs)				Mean Fish Length					Probability of Route Selection					Average Strike Probability					Number of Mortalities				
								Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5
Month	Age Class	Bypass Mortality Rate	Flow (Percentile)	cfs	Turbine Strikes	Bypass Failures	Fish Passed	Kaplan	Kaplan	Francis	Francis	Kaplan	Kaplan	Francis	Francis	Bypass/Spill	Kaplan	Kaplan	Francis	Francis	Bypass/Spill	Kaplan	Kaplan	Francis	Francis	Bypass/Spill	Kaplan	Kaplan	Francis	Francis	Bypass/Spill
May	Adult	3%	Mean	6,816	106	0	894	1,783	1,783	1,500	1,500	9.6	9.7	9.7	9.7	9.8	26.2%	26.2%	22.0%	22.0%	3.7%	5.9%	5.9%	17.2%	17.3%	0%	17	22	36	31	0
May	Adult	11.7%	Mean	6,816	106	3	891	1,783	1,783	1,500	1,500	9.7	9.7	9.8	9.8	9.7	26.2%	26.2%	22.0%	22.0%	3.7%	5.9%	6.0%	17.4%	17.4%	0%	13	16	40	37	3
May	Adult	3%	90	14,465	53	13	934	1,820	1,820	1,500	1,500	9.7	9.6	9.7	9.7	9.7	12.6%	12.6%	10.4%	10.4%	54.1%	5.9%	5.8%	17.2%	17.2%	0%	8	9	22	14	13
May	Adult	11.7%	90	14,456	37	76	887	1,820	1,820	1,500	1,500	9.8	9.8	9.7	9.8	9.7	12.6%	12.6%	10.4%	10.4%	54.1%	5.9%	5.9%	17.1%	17.4%	0%	6	8	12	11	76
May	Adult	3%	10	2,202	87	1	912	976	976			9.7	9.7			9.7	44.3%	44.3%	0%	0%	11.4%	8.7%	8.7%			0%	46	41			1
May	Adult	11.7%	10	2,202	80	16	904	976	976			9.7	9.7			9.7	44.3%	44.3%	0%	0%	11.4%	8.7%	8.7%			0%	45	35			16
June	Adult	3%	Mean	4,006	105	2	893	1,128	1,128	1,500		9.7	9.7	9.7		9.5	28.2%	28.2%	37.4%	0%	6.2%	8.0%	8.1%	17.2%		0%	25	20	60		2
June	Adult	11.7%	Mean	4,006	108	16	876	1,128	1,128	1,500		9.8	9.6	9.7		9.6	28.2%	28.2%	37.4%	0%	6.2%	8.1%	8.0%	17.2%		0%	28	25	55		16
June	Adult	3%	90	8,130	88	6	906	1,820	1,820	1,500	1,500	9.7	9.7	9.7	9.7	9.7	22.4%	22.4%	18.5%	18.5%	18.3%	5.8%	5.9%	17.2%	17.3%	0%	21	10	29	28	6
June	Adult	11.7%	90	8,130	96	16	888	1,820	1,820	1,500	1,500	9.7	9.7	9.7	9.7	9.7	22.4%	22.4%	18.5%	18.5%	18.3%	5.9%	5.9%	17.2%	17.3%	0%	12	16	29	39	16
June	Adult	3%	10	1,251	59	9	932	1,001				9.7				9.7	80.0%	0%	0%	0%	20.0%	8.6%				0%	59				9
June	Adult	11.7%	10	1,251	68	23	909	1,001				9.7				9.7	80.0%	0%	0%	0%	20.0%	8.5%				0%	68				23
July	Adult	3%	Mean	2,611	67	2	931	1,180	1,180			9.7	9.7			9.7	45.2%	45.2%	0%	0%	9.6%	7.8%	7.9%			0%	36	31			2
July	Adult	11.7%	Mean	2,611	73	11	916	1,180	1,180			9.7	9.6			9.7	45.2%	45.2%	0%	0%	9.6%	7.9%	7.8%			0%	31	42			11
July	Adult	3%	90	5,518	129	4	867	1,134	1,134	1,500	1,500	9.7	9.7	9.7	9.7	9.9	20.6%	20.6%	27.2%	27.2%	4.5%	8.0%	8.0%	17.2%	17.3%	0%	17	17	43	52	4
July	Adult	11.7%	90	5,518	131	5	864	1,134	1,134	1,500	1,500	9.7	9.7	9.7	9.8	9.6	20.6%	20.6%	27.2%	27.2%	4.5%	8.0%	8.0%	17.3%	17.3%	0%	19	11	53	48	5
July	Adult	3%	10	827	78	14	908	577				9.7				9.7	69.8%	0%	0%	0%	30.2%	10.5%				0%	78				14
July	Adult	11.7%	10	827	69	41	890	577				9.7				9.7	69.8%	0%	0%	0%	30.2%	10.5%				0%	69				41

Crescent - Juvenile Shad - Distributed

Test Type					Data Summary			Turbine Discharge (cfs)				Mean Fish Length					Probability of Route Selection					Average Strike Probability					Number of Mortalities				
								Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5	Rt. 1	Rt. 2	Rt. 3	Rt. 4	Rt. 5
Month	Age Class	Bypass Survival Rate	Flow (Percentile)	cfs	Turbine Strikes	Bypass Failures	Fish Passed	Kaplan	Kaplan	Francis	Francis	Kaplan	Kaplan	Francis	Francis	Bypass/Spill	Kaplan	Kaplan	Francis	Francis	Bypass/Spill	Kaplan	Kaplan	Francis	Francis	Bypass/Spill	Kaplan	Kaplan	Francis	Francis	Bypass/Spill
July	Juvenile	3%	Mean	2,611	25	2	973	1,180	1,180			3.4	3.4			3.4	45.2%	45.2%	0%	0%	9.6%	2.8%	2.7%			0%	14	11			2
July	Juvenile	11.7%	Mean	2,611	32	3	965	1,180	1,180	400	1,500	3.4	3.4			3.4	45.2%	45.2%	0%	0%	9.6%	2.8%	2.8%			0%	17	15			0
July	Juvenile	3%	90	5,518	36	3	961	1,134	1,134	1,500	1,500	3.4	3.4	3.4	3.4	3.4	20.6%	20.6%	27.2%	27.2%	4.5%	2.8%	2.8%	6.0%	6.0%	0%	3	6	15	12	3
July	Juvenile	11.7%	90	5,518	46	6	948	1,134	1,134	1,500	1,500	3.4	3.4	3.4	3.4	3.5	20.6%	20.6%	27.2%	27.2%	4.5%	2.8%	2.8%	6.0%	6.0%	0%	3	13	14	16	0
July	Juvenile	3%	10	827	22	10	968	577				3.4				3.4	69.8%	0%	0%	0%	30.2%	3.7%				0%	22				10
July	Juvenile	11.7%	10	827	28	43	929	577				3.4				3.4	69.8%	0%	0%	0%	30.2%	3.7%				0%	28				0
August	Juvenile	3%	Mean	1,993	21	3	976	1,743				3.4				3.4	87.5%	0%	0%	0%	12.5%	2.1%				0%	21				3
August	Juvenile	11.7%	Mean	1,993	21	22	957	1,743	1,180	400	1,500	3.4				3.4	87.5%	0%	0%	0%	12.5%	2.1%				0%	21				0
August	Juvenile	3%	90	3,651	25	4	971	1,701	1,701			3.4	3.4			3.4	46.6%	46.6%	0%	0%	6.9%	2.2%	2.2%			0%	15	10			4
August	Juvenile	11.7%	90	3,651	18	7	975	1,701	1,701			3.4	3.4			3.4	46.6%	46.6%	0%	0%	6.9%	2.2%	2.2%			0%	7	11			0
August	Juvenile	3%	10	695	24	11	965	445				3.4				3.4	64.0%	0%	0%	0%	36.0%	3.9%				0%	24				11
August	Juvenile	11.7%	10	695	21	51	928	445				3.4				3.4	64.0%	0%	0%	0%	36.0%	3.9%				0%	21				0
September	Juvenile	3%	Mean	2,422	24	4	972	1,086	1,086			3.4	3.4			3.4	44.8%	44.8%	0%	0%	10.3%	2.9%	2.9%			0%	13	11			4
September	Juvenile	11.7%	Mean	2,422	28	10	962	1,086	1,086	400	1,500	3.4	3.4			3.4	44.8%	44.8%	0%	0%	10.3%	2.9%	2.9%			0%	9	19			0
September	Juvenile	3%	90	4,298	36	3	961	1,274	1,274	1,500		3.4	3.4	3.4		3.4	29.6%	29.6%	34.9%	0%	5.8%	2.6%	2.6%	6.0%		0%	9	4	23		3
September	Juvenile	11.7%	90	4,298	38	16	946	1,274	1,274	1,500		3.4	3.4	3.4		3.5	29.6%	29.6%	34.9%	0%	5.8%	2.6%	2.6%	6.0%		0%	9	5	24		0
September	Juvenile	3%	10	722	24	12	964	472				3.4				3.4	65.4%	0%	0%	0%	34.6%	3.8%				0%	24				12
September	Juvenile	11.7%	10	722	20	42	938	472				3.4				3.4	65.4%	0%	0%	0%	34.6%	3.8%				0%	20				0
October	Juvenile	3%	Mean	3,777	19	0	981	1,763	1,763			3.4	3.4			3.4	46.7%	46.7%	0%	0%	6.6%	2.1%	2.1%			0%	9	10			0
October	Juvenile	11.7%	Mean	3,777	22	12	966	1,763	1,763			3.4	3.4			3.5	46.7%	46.7%	0%	0%	6.6%	2.1%	2.1%			0%	15	7			0
October	Juvenile	3%	90	7,557	26	2	972	1,820	1,820	1,500	1,500	3.4	3.4	3.4	3.4	3.4	24.1%	24.1%	19.9%	19.9%	12.1%	2.1%	2.0%	6.1%	6.0%	0%	3	5	8	10	2
October	Juvenile	11.7%	90	7,557	28	13	959	1,820	1,820	1,500	1,500	3.4	3.4	3.4	3.4	3.4	24.1%	24.1%	19.9%	19.9%	12.1%	2.1%	2.1%	6.1%	6.0%	0%	4	4	9	11	0
October	Juvenile	3%	10	1,042	30	4	966	792				3.4				3.4	76.0%	0%	0%	0%	24.0%	3.3%				0%	30				4
October	Juvenile	11.7%	10	1,042	26	29	945	792				3.4				3.4	76.0%	0%	0%	0%	24.0%	3.3%				0%	26				0
November	Juvenile	3%	Mean	5,800	44	3	953	1,275	1,275	1,500	1,500	3.4	3.4	3.4	3.4	3.4	22.0%	22.0%	25.9%	25.9%	4.3%	2.6%	2.6%	6.0%	6.1%	0%	2	5	25	12	3
November	Juvenile	11.7%	Mean	5,800	48	2	950	1,275	1,275	1,500	1,500	3.4	3.4	3.4	3.3	3.4	22.0%	22.0%	25.9%	25.9%	4.3%	2.6%	2.6%	6.1%	6.0%	0%	4	2	23	19	0
November	Juvenile	3%	90	11,417	23	17	960	1,820	1,820	1,500	1,500	3.4	3.4	3.4	3.4	3.4	15.9%	15.9%	13.1%	13.1%	41.8%	2.1%	2.0%	6.1%	6.0%	0%	4	3	11	5	17
November	Juvenile	11.7%	90	11,417	18	45	937	1,820	1,820	1,500	1,500	3.4	3.4	3.4	3.4	3.4	15.9%	15.9%	13.1%	13.1%	41.8%	2.1%	2.1%	6.0%	6.0%	0%	3	1	13	1	0
November	Juvenile	3%	10	1,845	15	8	977	1,595				3.4				3.4	86.5%	0%	0%	0%	13.6%	2.3%				0%	15				8
November	Juvenile	11.7%	10	1,845	19	24	957	1,595				3.4				3.4	86.5%	0%	0%	0%	13.6%	2.3%				0%	19				0

Crescent - Passage Routes												
Test Type			**Data Summary**		**Turbine Discharge (cfs)**		**Mean Fish Length**		**Average Strike Probability**		**Number of Mortalities**	
Turbine	Age Class	Bypass Mortality Rate	Turbine Strikes	Fish Passed	Kaplan	Francis	Kaplan	Francis	Kaplan	Francis	Kaplan	Francis
Francis	Adult	n/a	173	827		1,500		9.7		17.3%		173
Francis	Adult	n/a	217	783		400		9.7		21.4%		217
Francis	Juvenile	n/a	55	945		1,500		3.4		6.0%		55
Francis	Juvenile	n/a	69	931		400		3.4		7.5%		69
Kaplan	Adult	n/a	58	942	1,820		9.7		5.9%		58	
Kaplan	Adult	n/a	110	890	350		9.7		11.4%		110	
Kaplan	Juvenile	n/a	26	974	1,820		3.4		2.0%		26	
Kaplan	Juvenile	n/a	42	958	350		3.4		4.0%		42	

Vischer Ferry - Passage Routes												
Test Type			**Data Summary**		**Turbine Discharge (cfs)**		**Mean Fish Length**		**Average Strike Probability**		**Number of Mortalities**	
Turbine	Age Class	Bypass Mortality Rate	Turbine Strikes	Fish Passed	Kaplan	Francis	Kaplan	Francis	Kaplan	Francis	Kaplan	Francis
Francis	Adult	n/a	146	854		1,500		9.7		17.4%		146
Francis	Adult	n/a	229	771		400		9.7		22.2%		229
Francis	Juvenile	n/a	58	942		1,500		3.4		6.1%		58
Francis	Juvenile	n/a	88	912		400		3.4		7.8%		88
Kaplan	Adult	n/a	61	939	1,820		9.7		5.9%		61	
Kaplan	Adult	n/a	117	883	350		9.7		11.6%		117	
Kaplan	Juvenile	n/a	15	985	1,820		3.4		2.1%		15	
Kaplan	Juvenile	n/a	39	961	350		3.4		6.1%		39	

Appendix D Fish Community Study Report

Appendix D Fish Community Study Report

FISH COMMUNITY STUDY

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February 2021

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CRESCENT AND VISCHER FERRY PROJECTS RELICENSING FERC Nos. 4678 and 4679






NEW YORK STATE OF OPPORTUNITY. | NY Power Authority

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Appendix A – Annotated Bibliography
Appendix B – Fish Survey Data

List of Abbreviations

BBH	Blueback Herring
cfs	cubic feet per second
CPUE	catch per unit of effort
FERC or the Commission	Federal Energy Regulatory Commission
JBBH	Juvenile Blueback Herring
mm	millimeter
NAI	Normandeau Associates, Inc.
NYPA	New York Power Authority
NYSDEC	New York State Department of Environmental Conservation
PAD	Preliminary Application Document
Projects	Crescent and Vischer Ferry Hydroelectric Projects
SUNY ESF	State University of New York College of Environmental Science and Forestry
The Power Authority	The Power Authority of the State of New York
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey

1 Introduction

The Power Authority of the State of New York (the Power Authority) is licensed by the Federal Energy Regulatory Commission (FERC or the Commission) to operate the Crescent and Vischer Ferry Hydroelectric Projects (FERC Nos. 4678 and 4679) (Projects) located on the Mohawk River in New York. The Power Authority is relicensing the Projects under the Commission's Integrated Licensing Process (ILP) as outlined in 18 C.F.R. Part 5.

In accordance with 18 C.F.R. §§ 5.5 and 5.6, the Power Authority filed its Notice of Intent (NOI) and Pre-Application Document (PAD) on May 3, 2019, which included the Power Authority's preliminary issues and studies list for the Projects. FERC issued its Scoping Document 1 (SD1) on June 10, 2019 and held public scoping meetings on July 10-11, 2019 in Clifton Park, New York, where potential issues were identified by agencies, stakeholders, and the public.

Subsequently, the Power Authority received comments on the PAD and requests for additional studies. The Power Authority reviewed these comments and study requests and developed a Proposed Study Plan (PSP), which was filed with the Commission on September 23, 2019. The Power Authority held a public meeting to discuss the PSP on October 23, 2019. Written comments on the PSP were received through December 23, 2019.

The Power Authority then developed its Revised Study Plan (RSP), which was filed with FERC on January 21, 2020. On February 20, 2020, FERC issued its Study Plan Determination (SPD), which approved the Power Authority's Fish Community Study.

A substantial amount of information currently exists on the lower Mohawk River Fishery. This information, however, has been collected by various entities for various purposes. As such, it is challenging to grasp the full extent of the work that has been previously conducted. Assembling the existing information into one document will provide the resources necessary to characterize the fishery in the vicinity of the Projects for Exhibit E of the FERC license applications that will be submitted by the Power Authority.

1.1 Geographic Scope

The geographic scope of this study is the lower Mohawk River in the vicinity of the Projects. The Crescent impoundment is approximately 10 miles long and the upstream terminus of the impoundment is located at the Vischer Ferry dam. The Vischer Ferry impoundment is 10.3 miles long and the upstream terminus of the impoundment is located at Lock E-8 in Schenectady.

1.2 Study Goals and Objectives

The goal of the study is to utilize existing fisheries data for the lower Mohawk River to conduct a comprehensive desktop assessment of the fish community at the Projects, including a determination of species composition and relative abundance. This information will be used to describe the fishery resources in the vicinity of the Projects in Exhibit E of the FERC License Application.

1.3 Relevant Resource Management Goals and Public Interest Considerations

The New York State Department of Environmental Conservation (NYSDEC) manages the Mohawk River in the vicinity of the Projects as a mix of warm-water and cool-water species, which includes abundant game

species such as Smallmouth Bass, Largemouth Bass, Northern Pike and Walleye. The fish community is dominated by warm-water species and is used extensively by recreational anglers (NYSDEC, 2018). The river is also managed for diadromous species, primarily the anadromous Blueback Herring (BBH). NYSDEC's fishery management goals for the Mohawk River are multi-faceted and recognize that the fisheries of the Mohawk River watershed, like many inland waters, are in a state of transition (NYSDEC, 2018). Management of the Mohawk River fishery is complicated by the continuous influx of new aquatic species which is facilitated through the New York State Barge Canal System (Barge Canal) and must balance the need to provide desirable fishing opportunities for sportfish while also trying to sustain native biodiversity (NYSDEC, 2018).

1.4 Project Nexus

Project waters provide habitat for an array of native and non-native fish species, including both resident and migratory species. The proposed study used existing data to develop a characterization of the fish community found at the Projects, which in turn can be used to consider how the existing fish community may be affected by Project operations.

2 Methodology

2.1 Consultation and Research

The Power Authority consulted with resource agencies to discuss the availability of and access to existing fish survey data. Based on these consultations, the NYSDEC identified several reports and supporting fish survey data that it provided to the Power Authority. Additionally, data collected by other agencies and researchers was obtained. The New York State Library System, professional journals, and the internet were also searched for relative information. While each dataset was collected for a specific research purpose, the Power Authority believes that the collective research data will provide a thorough characterization of the fish assemblage in the vicinity of the Projects.

Once obtained, data and reports were reviewed and an annotated bibliography of all pertinent studies was created. Then pertinent data was assembled into a single electronic database.

2.2 Data Analysis

All collected data was reviewed to characterize the Mohawk River fishery in the vicinity of the Projects. Depending on the data available, analysis included species composition, relative abundance, catch per unit of effort, and temporal changes.

3 Results

3.1 Existing Information

Reports and studies of the Mohawk River fish community produced by NYSDEC, the U.S. Geological Survey (USGS) and other agency and university researchers were gathered during the Preliminary Application Document (PAD) development. Section 1.4 of the PAD gives an extensive description of the fish and aquatic habitat around the Project area, and the PAD also provides a list of fish species known to occur in the Mohawk River in the vicinity of the Projects (see Table 4.4-1 in the PAD). At least 62 fish species were documented in the Mohawk River and the Barge Canal System from Lock E-6 in Waterford to Lock E-20 in Rome, New York from 1934 through 1983 (McBride, 2009). For a variety of purposes, fisheries sampling was conducted multiple times between 1934-2020, using a variety of methods. Some of the more recent research and studies were documented in the following reports and technical papers.

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- USGS. 2014-2015. Spatiotemporal trends in fish assemblages of the Mohawk River. The USGS and NYSDEC. https://www.sciencebase.gov/catalog/item/55ca0201e4b08400b1fdb775.
- USGS. 2015-2016. American Eel in tributaries to the Mohawk River. The USGS, SUNY ESF, and DEC screening survey of tributaries for American Eel.
- Wells, S.M., Limburg, K.E., and C.D. Legard. 2013. Tracking the dynamic Blueback Herring (*Alosa aestivalis*) run in the lower Mohawk River, NY, USA. Presented by S. Wells at the NY Chapter AFS Meeting. Feb 2013, Watertown, NY.
- Wells, S. 2018. New York State Department of Environmental Conservation (NYSDEC). Bureau of Fisheries Technical Brief #2018040. Crescent Lake (H-240) Black Bass Survey (Survey #418011).

Appendix A contains an annotated bibliography of these studies. It should be noted that raw data for many of these studies was not available, but summary data was available. Raw Data that was available is provided in Appendix B. These surveys, while conducted for various purposes, provide general descriptions of various components of the Mohawk River fish community and the fish community in the lower Mohawk River.

As previously stated, many of these studies were conducted for a specific purpose. However, they often collect data on species other than those targeted. For example, electrofishing surveys that may be used to target a species such as Smallmouth Bass would be effective for any species utilizing the same habitat

(i.e., the littoral zone with rocky or weedy habitat) and would therefore provide information on these species as well. Some studies recorded information from non-target species in detail, while others did not or made anecdotal reference to non-target collections.

3.2 Description of the Mohawk River Fishery

Historically, at least 62 fish species were documented in the Mohawk River and the Barge Canal from Lock E-6 in Waterford to Lock E-20 in Rome, New York from 1934 through 1983 (McBride, 2009). Carlson (2015) reported that as many as 71 fish species may inhabit the greater river-canal system. The genus, species and common name of the fish species found in the Mohawk River is provided in Table 3-1. Intensive riverwide surveys from 1979 through 1983 included trap netting, electrofishing, gill netting, seining, and trawling. These efforts documented 56 species including 12 species that were not recorded in 1934. However, 1934 efforts included six species that were not observed in the 1979-1983 efforts. The 1979-1983 catch consisted of 12.1% gamefish, 25.4% panfish, and 62.6% for all other species (McBride, 2009).

McBride (2009) described the river as three channel basin types based on shape and use: natural river, river canal, and power pool. The Projects are in the power pool section which was defined as the 22.5-mile section from Lock 8 downstream to the flooded stream sections at the river mouth. McBride further analyzed the 1979-1983 data. When Blueback Herring, a seasonally dominant species, were excluded from the analysis, data indicated that the power pool fish community was dominated by panfish which represented 65.2% of the catch while gamefish represented 9.4% of the catch.

Substantial fisheries sampling also occurred during the relicensing of the School Street Hydroelectric Project (FERC No. 2539) in the power pool section of the river (Niagara Mohawk, 1994). Sampling in the summer of 1988 in the School Street Impoundment, which is contiguous with the Crescent Project tailwater, resulted in collection of 3,832 fish representing 21 species. Most of these fish (82.5%) were young of the year Blueback Herring. Of the other species collected, yellow perch was the most common panfish and smallmouth bass was the most common gamefish. Other species collected included: Rock Bass, White Sucker, Pumpkinseed, Largemouth Bass, and Walleye. Sampling methods consisted of boat electrofishing, trap netting, gill netting, seining, and the use of minnow traps. Additional sampling was subsequently conducted in 1993 and 1994 (Niagara Mohawk, 1994).

The 1993-1994 sampling found species composition to be typical of a warmwater fish community in eastern and central New York (Niagara Mohawk, 1994). Collected fish are provided in Appendix B. The 1993-1994 sampling effort was more intensive than the 1988 effort and consisted of six sampling periods from June 1993 to June 1994. Sampling methods in the School Street Impoundment consisted of gill netting, hoop netting, and nighttime boat electrofishing. Hoop nets and gill nets were set at seven locations extending to Crescent Dam and electrofishing sampled the entire boatable shoreline. Results of all sampling combined resulted in the collection of 4100 fish representing 35 species (Appendix B). Of note was the collection of 5 American Eel during the 6 sampling periods (one in August and two each in September and October). Without considering Blueback Herring, species composition consisted of Bluegill (29%), Smallmouth Bass (11%), Largemouth Bass (10%), Yellow Perch (8%), Rock Bass (4%), and the other 30 species (38%). Catch per unit effort (CPUE) for electrofishing of all fish varied by sample period: June (219.2-hr), August (60.6-hr), September (182.7-hr), October (64.0-hr), and November (463.6-hr). Smallmouth Bass, the primary gamefish present, exhibited CPUE values that were relatively similar during most sampling periods except for the October sampling event when values were nearly double most of the other events.

Smallmouth Bass CPUE values by sampling event were June (25.6-hr), August (24.1-hr), September (27.3-hr), October (46.9-hr), and November (18.6-hr). Most of the Smallmouth Bass collected were less than 125 mm in length and most fish were young of the year, indicating the presence of spawning and rearing habitat (Niagara Mohawk, 1994).

Table 3-1: Fish Species Documented in the Mohawk River (1998 - 2019)

Family	Genus and Species	Common Name
Acipenseridae	*Acipenser fulvescens*	Lake Sturgeon
Anguillidae	*Anguilla rostrata*	American Eel
Cyprinidae	*Alosa aestivalis*	Blueback Herring
	Alosa sapidissima	American Shad
	Dorosoma cepedianum	Gizzard Shad
	Campostoma anomalum	Central Stoneroller
	Carassius auratus	Goldfish
	Cyprinella analostana	Satinfin Shiner
	Cyprinella spiloptera	Spotfin Shiner
	Cyprinus carpio	Common Carp
	Luxilus cornutus	Common Shiner
	Notropis atherinoides	Emerald Shiner
	Notropis hudsonius	Spottail Shiner
	Notropis rubellus	Rosyface Shiner
	Scardinius erythrophthalmus	Rudd
	Semotilus atromaculatus	Creek Chub
	Semotilus corporalis	Fallfish
Catostomidae	*Catostomus commersonii*	White Sucker
	Hypentelium nigricans	Northern Hogsucker
	Moxostoma macrolepidotum	Shorthead Redhorse
Goblidae	*Neogobius melanostomus*	Round Goby
Ictaluridae	*Ameiurus natalis*	Yellow Bullhead
	Ameiurus nebulosus	Brown Bullhead
	Ictalurus punctatus	Channel Catfish
	Noturus flavus	Stonecat
	Noturus gyrinus	Tadpole Madtom
	Noturus insignis	Margined Madtom
	Noturus miurus	Brindled Madtom
Salmonidae	*Salmo trutta*	Brown Trout
	Salvelinus fontinalis	Brook Trout
Esocidae	*Esox lucius*	Northern Pike
	Esox lucius X Esox masquinongy	Tiger Muskellunge

Family	Genus and Species	Common Name
	Esox niger	Chain Pickerel
	Umbra limi	Central Mudminnow
Percopsidae	*Percopsis omiscomaycus*	Trout Perch
Atherinopsidae	*Labidesthes sicculus*	Brook Silverside
Fundulidae	*Fundulus diaphanus*	Banded Killifish
Gasterosteidae	*Culaea inconstans*	Brook Stickleback
Moronidae	*Morone americana*	White Perch
	Morone chrysops	White Bass
Centrarchidae	*Ambloplites rupestris*	Rock Bass
	Lepomis gibbosus	Pumpkinseed
	Lepomis macrochirus	Bluegill
	Micropterus dolomieu	Smallmouth Bass
	Micropterus salmoides	Largemouth Bass
	Pomoxis annularis	White Crappie
	Pomoxis nigromaculatus	Black Crappie
Percidae	*Etheostoma blennioides*	Greenside Darter
	Etheostoma caeruleum	Rainbow Darter
	Etheostoma flabellare	Fantail Darter
	Etheostoma olmstedi	Tessellated Darter
	Perca flavescens	Yellow Perch
	Percina caprodes	Common Logperch
	Sander vitreus	Walleye
Sciaenidae	*Aplodinotus grunniens*	Freshwater Drum

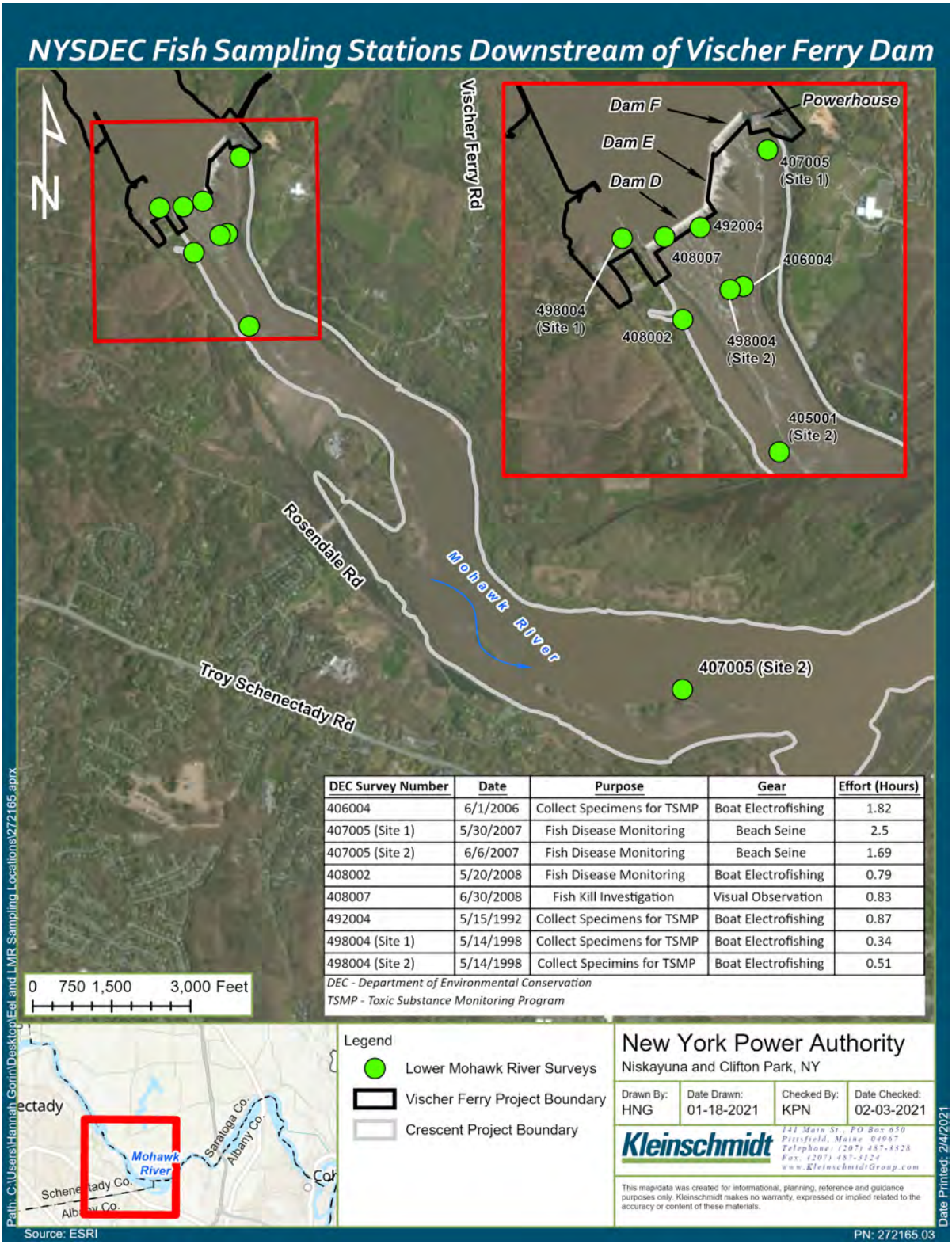
The results of the 1993-1994 survey were similar to the 1988 survey results, suggesting a level of stability within the fish community during that 5-year period. Also, during this period, Smallmouth Bass, Walleye, Tiger Muskellunge, and Blueback Herring were the species of primary concern from a fisheries management perspective (Niagara Mohawk, 1994).

Consistent with these results, McBride (1994) reported that the Mohawk River had one of the best Smallmouth Bass fisheries in the State of New York. Anglers targeting Smallmouth Bass reported average catch rates of 1-17 fish per hour with legal size fish averaging 0.56 fish per hour-hr. Panfish fishing opportunities were noted to be best in the lower river impoundments (McBride 1994).

The NYSDEC conducted seven fish sampling efforts in the area between Crescent and Vischer Ferry Dams from 1992 through 2008. These efforts were primarily associated with the fish disease monitoring program and the toxic substance monitoring program but also investigated a report of seven dead Northern Pike. Sampling locations are illustrated in Figure 3-1 and Figure 3-2. Data on fish collected is provided in Appendix B. Methods used included boat electrofishing, beach seining, and visual observations. While

these efforts targeted specific species, other fish collected and observed were recorded. Gamefish collected in these surveys included Smallmouth Bass, Largemouth Bass, Walleye, Tiger Muskellunge, Northern Pike, and Walleye. Panfish species included Brown Bullhead, Pumpkinseed, Yellow Perch, White Perch, Bluegill, White Crappie, Black Crappie, and Rock Bass. Other species include Blueback Herring, Spotfin Shiner, Spottail Shiner, Emerald Shiner, White Sucker, Shorthead Redhorse, Trout-perch, Logperch, Northern Hogsucker, and Brook Silverside. Non-native species include Common Carp and Freshwater Drum. It is noteworthy that none of these surveys indicated the collection or observation of American Eel.

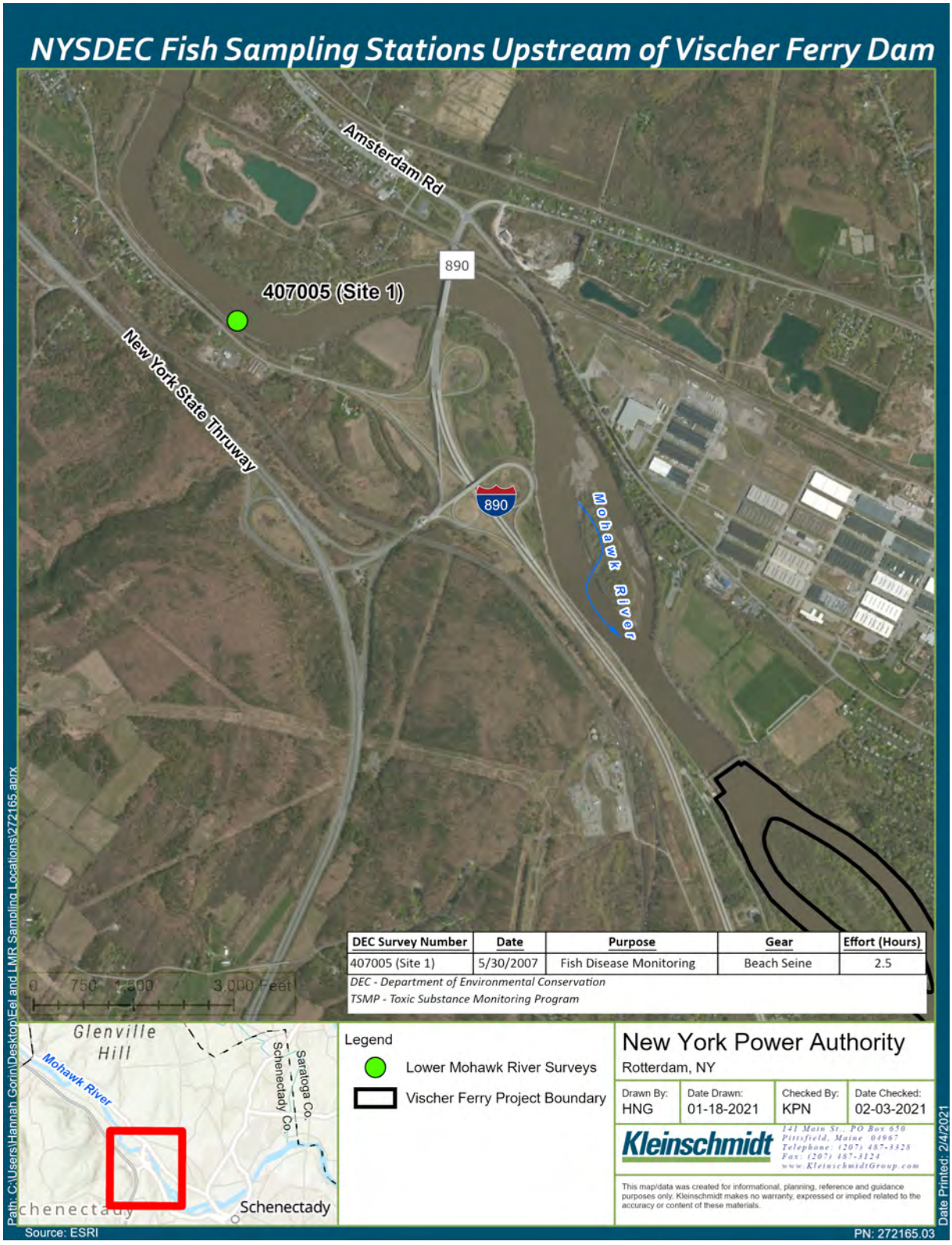
Figure 3-1: NYSDEC Fish Sampling Stations Downstream of Vischer Ferry Dam



DEC Survey Number	Date	Purpose	Gear	Effort (Hours)
406004	6/1/2006	Collect Specimens for TSMP	Boat Electrofishing	1.82
407005 (Site 1)	5/30/2007	Fish Disease Monitoring	Beach Seine	2.5
407005 (Site 2)	6/6/2007	Fish Disease Monitoring	Beach Seine	1.69
408002	5/20/2008	Fish Disease Monitoring	Boat Electrofishing	0.79
408007	6/30/2008	Fish Kill Investigation	Visual Observation	0.83
492004	5/15/1992	Collect Specimens for TSMP	Boat Electrofishing	0.87
498004 (Site 1)	5/14/1998	Collect Specimens for TSMP	Boat Electrofishing	0.34
498004 (Site 2)	5/14/1998	Collect Specimins for TSMP	Boat Electrofishing	0.51

DEC - Department of Environmental Conservation
TSMP - Toxic Substance Monitoring Program

Figure 3-2: NYSDEC Fish Sampling Stations Upstream of Vischer Ferry Dam



The USGS conducted boat electrofishing surveys at 24 sites to assess effects of seasonal drawdowns on fish assemblages in the Mohawk River (George et al., 2016). Eight of these sites were located in the vicinity of the Projects between Locks 6 and 8. In addition to permanent dams such as those associated with the Projects, temporary, moveable dams are deployed on a seasonal basis to aid navigation in areas upstream of the Projects. These seasonal dams also create seasonal impoundments. Sampling was conducted in May of 2014 and 2015. Data for the vicinity of the Projects is summarized below. The area between locks 6 and 7, which includes the Crescent Impoundment, exhibited the highest CPUE in the vicinity of the Projects with values from 304.0 to 342.0 in 2014 and 152.6 to 208.0 in 2015. The Vischer Ferry Impoundment exhibited CPUE values of 140.0 to 217.3 in 2014 and 175.5 to 262.5 in 2015. The CPUE values for individual species or groups for the two impoundments combined 41.7 (centrarchids), 28.1 (Smallmouth Bass), 9.3 (Yellow Perch), and 8.1 (Walleye) (George et al., 2016) (Table 3-2).

Table 3-2: Boat Electrofishing Sampling Results from the Mohawk River 2014 - 2015, USGS

Date Sampled	River Kilometers	CPUE (fish/h)	SE (fish/h)
May 27, 2014	3.5–7.9	304.0	8.0
May 27, 2014	7.9–12.2	342.0	n/a
May 26, 2015	12.2–16.6	152.6	2.0
May 26, 2015	16.6–21.0	208.0	3.6
May 28, 2014	21.0–25.4	217.3	8.9
May 28, 2014	25.4–29.9	140.0	5.3
May 27, 2015	29.9–34.3	262.5	68.3
May 27, 2015	34.3–38.7	175.5	15.8

Species	Mean (CPUE)	SD
Smallmouth Bass	28.1	10.5
Other centrarchids	41.7	51.1
Yellow Perch	9.3	8.1
Walleye	8.1	11.6
Cyprinids	75.2	36.6
All other species	62.9	32.0
All species	225.2	72.3

Intensive, nighttime boat electrofishing surveys occurred in the Crescent Impoundment during June 2018. The primary purpose of the surveys was to assess the status of Smallmouth Bass and Largemouth Bass (collectively known as black bass) with a secondary focus on Walleye (Wells, 2018). A total of 8.9 hours. of electrofishing occurred between June 18-27, 2018 and consisted of 27 boat shocking runs: 14 of these targeted all-fish while 13 targeted only sportfish. Sampling covered much of the impoundment's shoreline. A total of 1,038 fish representing 27 species were collected. The number of each species collected is provided in Appendix B. The most numerous sportfish captured was Smallmouth Bass (198) with 11 of these fish greater than 16 in. The longest Smallmouth Bass was 18.7 in and the heaviest was 2.8 lbs. The CPUE for Smallmouth Bass was 22/hr while the CPUE for legal size Smallmouth Bass ($\geq$ 12 in) was 7/h which is about half the average value for New York Lakes greater than 1000 acres. Largemouth Bass were

less numerous and 27 were collected (CPUE of 3-h) with about 60% being ≥ 12 in. which is the minimum size allowed for harvest. The longest Largemouth Bass was 19.4 in. long and the heaviest was 4 lbs. Walleye had the second highest CPUE for sportfish at 15/h. Sixteen of the 130 walleye collected were of legal size (≥ 15 in.). Maximum walleye length was 24.8 in. and maximum weight was 5.4 lbs. Results on the numbers and quality of fish from key species are provided below in Table 3-3.

Table 3-3: Results of Nighttime Boat Electrofishing Surveys in the Crescent Impoundment

Fish Species	N[2]	Effort[3]	All Sizes	YY/SY	≥Stock	≥Quality	≥Preferred
Brown bullhead	49	2.4	20.7	0.0	20.7	20.7	18.6
Rock bass	95	2.4	40.1	1.3	37.6	7.2	0.0
Pumpkinseed	129	2.4	54.4	0.8	53.6	34.6	3.8
Bluegill	62	2.4	26.6	8.9	16.0	13.1	0.0
Yellow perch	41	2.4	17.3	0.4	16.9	4.2	0.0
Largemouth bass	27	8.9	3.0	0.8	1.8	0.7	0.0
Smallmouth bass	198	8.9	22.3	3.6	18.0	6.8	3.2
Walleye	130	8.9	14.7	1.6	3.6	1.8	0.2

[1] Total length categories for various fish species

	Rock Bass	Yellow Perch / Brown Bullhead	Bluegill / Pumpkinseed	Smallmouth Bass	Largemouth Bass	Walleye / Chain Pickerel
Stock	≥ 4 in	≥ 5 in	≥ 3 in	≥ 7 in	≥ 8 in	≥ 10 in
Quality	≥ 7 in	≥8 in	≥ 6 in	≥11 in	≥12 in	≥ 15 in
Preferred	≥ 9 in	≥10/11 in	≥ 8 in	≥14 in	≥15 in	≥ 20 in

[2] N—numbers captured

[3] Effort—fish per hour

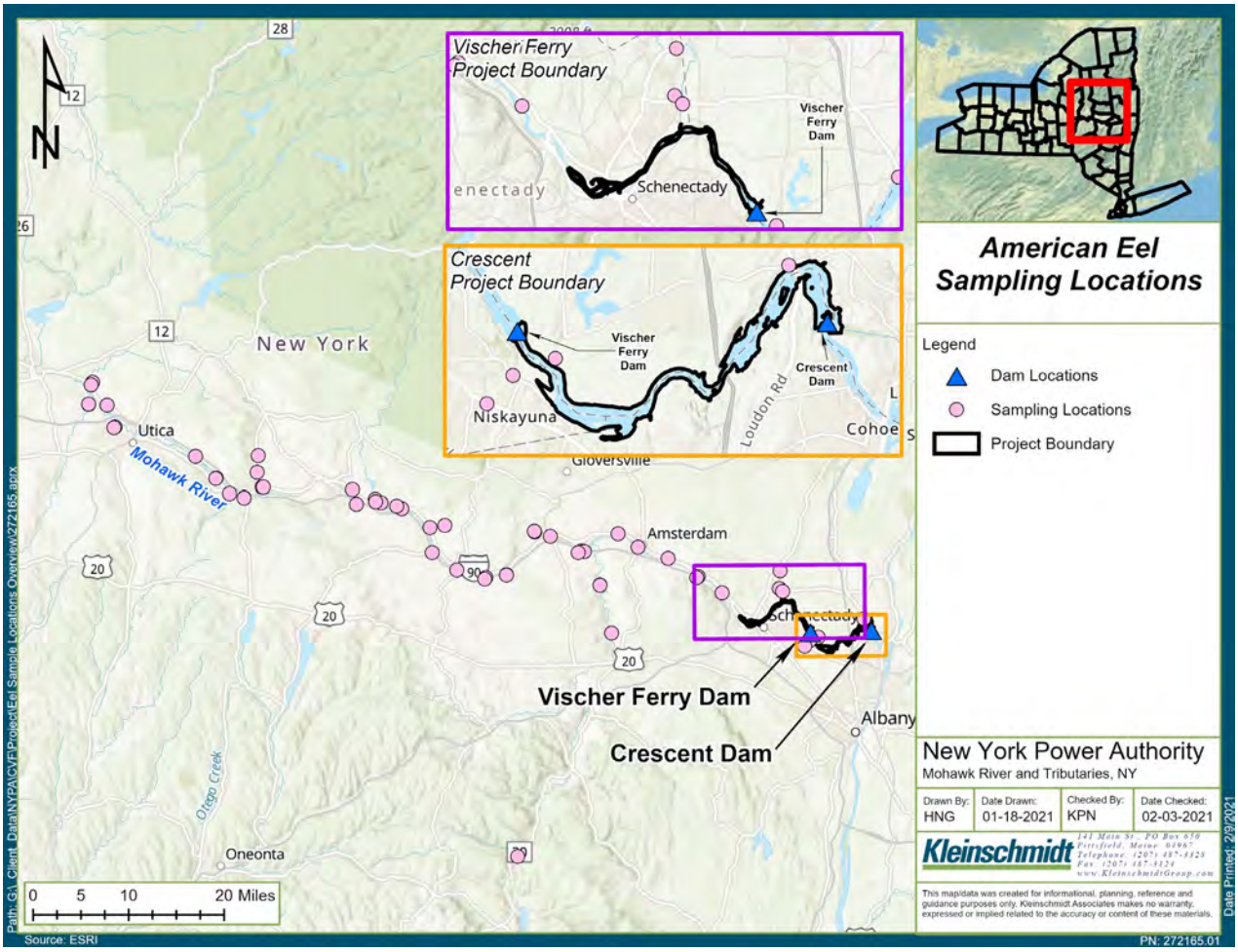
[4] YY—young of year and SY—spring yearling (age 1) fish

Additionally, large schools of forage fish were observed and were considered to consist of young Blueback Herring, Spotfin Shiner, and Spottail Shiner (Wells, 2018). A single adult American Eel was collected near the Vischer Ferry tailwater. Wells stated that the Smallmouth Bass and Walleye populations appear to be recruiting well in the Crescent Impoundment and the lack of larger Walleye and esocids was likely due to the time of year when increasing water temperatures cause adult fish to seek cooler water in deeper areas which were not sampled. Also, shocking runs along the dense water chestnut beds resulted in few fish collected, which is indicative of avoidance behavior, and likely caused lower catch rates than expected. Wells further stated that the productive black bass and walleye fishery in the lower Mohawk River will continue to be managed under statewide regulation and in addition to sportfish, “good numbers of large panfish should contribute to quality fishing opportunities for many years to come” (Wells, 2018).

Figure 3-3 illustrates locations where the USGS has conducted electrofishing surveys of tributary streams in 2015, 2016, and 2019. The 2015 and 2016 surveys were American Eel screening surveys conducted at 35 locations in 32 tributary streams. Surveys were conducted using backpack electrofishing, and sampling time generally ranged from 600-1200 seconds depending on the quantity of accessible habitat. (email from Scott George, USGS to Robert Daly, NYPA, 1-6-2020). The 2019 surveys were more intensive fish community surveys using 3-pass depletion electrofishing runs at 20 tributaries. Three pass depletion sampling is used to estimate fish populations. A study reach is sampled three times (i.e. 3 passes) during

one event with all fish collected being removed during each pass. When done correctly, at least 50% of the of the population is removed and fewer fish are collected during each pass. This depletion allows for extrapolation to zero and an overall population estimate. Therefore, this type of sampling is robust for the areas sampled. A total of 46 species were documented including the invasive Round Goby, which is anticipated to expand its range throughout the Mohawk River in the future. No American Eel were observed or collected.

Figure 3-3: USGS American Eel and Fish Community Sampling Locations in 2015, 2016, and 2019



Based on existing data, Table 3-4 provides a summary of the general location of where Mohawk River fish species have been documented relative to the Projects. The relative abundance of fish species over the course of multiple surveys is provided in Table 3-5. These tables, in addition to the narrative above, provide a description of the dynamic fishery in the Lower Mohawk River suitable for characterization of the fishery resources in the vicinity of the Projects.

Table 3-4: Occurrence of Fish Species in the Mohawk River Relative to the Crescent and Vischer Ferry Hydroelectric Projects (1998 - 2018)

Common Name	Upstream of Both Project Areas	Within Both Project Areas	Downstream of Both Project Areas
Lake Sturgeon	x		
American Eel	x	x	x
Blueback Herring	x	x	x
American Shad		x	x
Gizzard Shad	x	x	x
Central Stoneroller	x	x	x
Goldfish			x
Satinfin Shiner	x		
Spotfin Shiner	x	x	x
Common Carp	x	x	x
Common Shiner	x	x	x
Emerald Shiner	x	x	x
Spottail Shiner	x	x	x
Rosyface Shiner	x		
Rudd	x		
Creek Chub	x	x	x
Fallfish	x	x	x
White Sucker	x	x	x
Northern Hogsucker	x		
Shorthead Redhorse	x		x
Round Goby	x		
Yellow Bullhead	x		
Brown Bullhead	x	x	x
Channel Catfish	x		x
Stonecat	x		
Tadpole Madtom			x
Margined madtom	x		
Brindled Madtom	x		x
Brown Trout	x	x	
Brook Trout	x		
Northern Pike	x		
Tiger Muskellunge	x		x
Chain Pickerel	x		
Central Mudminnow	x		
Trout-perch	x		x
Brook Silverside	x	x	x

Common Name	Upstream of Both Project Areas	Within Both Project Areas	Downstream of Both Project Areas
Banded Killifish	x		
Brook Stickleback	x		
White Perch	x	x	x
White Bass	x		
Rock Bass	x	x	x
Pumpkinseed	x	x	x
Bluegill	x	x	x
Smallmouth Bass	x	x	x
Largemouth Bass	x	x	x
White Crappie		x	x
Black Crappie	x	x	x
Greenside Darter	x		
Rainbow Darter	x		
Fantail Darter	x		
Tessellated Darter	x	x	x
Yellow Perch	x	x	x
Common Logperch	x	x	x
Walleye	x	x	x
Freshwater Drum	x	x	x

Source: Carlson et al., 2016

Table 3-5: Historic Fish Community Data in the Mohawk River Based on Multiple Survey Efforts

Date	1934[1]	1970 – 1971[1, 2, 5]	1979 – 1983[2]	Spring 2014 & 2015[3]	June 18-27, 2018[4]
Number of Species	48	26	56	38	27
Species	**Proportion of Abundance**				
Walleye	0.064		0.005	0.165	0.123
Largemouth bass	0.001		0.011	--	0.026
Smallmouth bass	0.003		0.034	0.082	0.190
Yellow perch	0.119		0.021	0.004	0.039
Brown bullhead	0.142		0.54	--	0.047
Rock bass	0.035		0.015	--	0.091
Pumpkinseed	0.020		0.017	--	0.124
Bluegill	--		0.048	--	0.059
Blueback herring	0.045		0.512	--	--
Other Centrarchids	--		--	0.093	--
Cyprinids	--		--	0.085	--
All other species	--		--	0.002	--
All species	--		--	0.001	--

[1] McBride, 1994
[2] McBride, 1985
[3] George et al., 2016
[4] Wells, 2018
[5] Only total species number available

3.2.1 Angling

The Mohawk River provides an abundance of recreational fishing opportunities. Both the Vischer Ferry Dam and Crescent Dam are recommended places to fish, according to several fishing guide articles and the "I Fish NY Guide to Capital District Fishing" flyer (Clifton Park, 2018, Mohawk Towpath Byway, 2009, and Streeter, 2011). Smallmouth Bass (*Micropterus dolomieu*) and Walleye (*Sander vitreus*) are the most popular gamefish among anglers (Bureau of Fisheries, 2015-2016).

Statewide angler surveys conducted during 2007 found that the Mohawk River had an estimated 219,735 (Confidence Limits ± 47,375) angler days overall (Connelly and Brown, 2009). Angler at-location expenditures were $1,778,764 ($8.10 average per day) and $1,072,811 ($4.88 average per day) for en-route expenditures for the Mohawk River. Smallmouth Bass, Largemouth Bass, Walleye, and Northern Pike were the most sought-after species by anglers fishing the Mohawk (Connelly and Brown, 2009). The mean distance traveled was 24 miles and average satisfaction level was 3.3 on a scale of 1 being very dissatisfied and 5 being very satisfied. There is a recreational river herring fishery in the Hudson River and its tributaries, including the Mohawk River. This recreational herring fishery is primarily driven by the need for bait in the Striped Bass fishery. Herring are fished from shore and boat through angling or nets. Shore fishers mostly use scap nets or angling while boat fishers utilize all allowable gear (Hattala et al., 2011).

3.3 Species of Interest

There have been no federally listed rare, threatened or endangered fish species observed in the area of the Projects. Lake Sturgeon, a New York State threatened species, has become abundant in Oneida Lake in the Oswego watershed, which is directly connected to the Mohawk watershed by the Barge Canal. Outmigrants were captured in the Rome and Utica portions of the canal in 2000. Lake Sturgeon are not native to the Mohawk River and are considered an exotic species (Carlson et al., 2016).

There are, however, several species of management concern, specifically BBH and American Eel. Most species of fish in the Mohawk River are considered resident fish except for the anadromous Blueback Herring and catadromous American Eel. Anadromous species live most of their adult life at sea and migrate inland to spawn, while catadromous species essentially do the opposite - that is, they spend most of their lifecycle in freshwater and return to the sea to spawn. Collectively, anadromous and catadromous species are referred to as diadromous species.

Blueback Herring

Blueback Herring are native to the Hudson River and lowermost section of Mohawk River, but prior to the construction of the Barge Canal, did not occur above Cohoes Falls located approximately 1.5 miles downstream of Crescent Dam, which was the limit of their migration. However, with the construction of the Barge Canal, herring were able to establish a migration run in the Mohawk River above Cohoes Falls. Blueback Herring, therefore, depend on the operation of the Barge Canal to gain access to the Mohawk River. Blueback herring adults migrating upstream through the Barge Canal enter the Mohawk River upstream of the Crescent Dam in May to spawn.

Blueback Herring were first recorded in the lower Mohawk River upstream of Cohoes Falls in 1934 (USGS, 2018) and in the upper Mohawk River (above Little Falls) in 1978 (Owens et al., 1998). Spawning migrations can extend to near Rome, New York, about 120 miles above the river's mouth and more than 100 miles upstream of the Crescent and Vischer Ferry Project dams (FERC, 2000). Spawning occurs in the upper reaches of the Mohawk River and its tributaries, preferably in swift-flowing, hard-bottomed stream reaches, and begins when water temperatures reach 10-15 degrees C. (FERC, 2000). Spent adults migrate downstream shortly after spawning, generally during the period May through July (FERC, 2000). It is generally considered that while most adult Blueback Herring die after spawning, some survive and become repeat spawners. Data indicates that Hudson River spawning stock may consist of approximately 25% repeat spawners (ASMFC 2017). Juvenile Blueback Herring rear throughout the Mohawk River during summer and are considered a key component of the forage base for many resident piscivorous species (George et al., 2016). Outmigration of juvenile blueback herring from the Mohawk River occurs during the late summer and fall (FERC, 2000).

Over the past two decades, blueback herring runs have been in decline all along the eastern seaboard, including the Mohawk River stocks. The reasons for this decline are not well understood but are likely due to several factors. One such factor theorized is the bycatch component of the offshore fishery. In 2012, NYSDEC and the State University of New York College of Environmental Science and Forestry (SUNY ESF) sampled the 2012 spring run. Sampling was conducted below four Canal dams and adjacent locks (E-7, E-9, E-11, and E-15). The tailwaters were boat electrofished during the day and samples of blueback herring were harvested for analyses.

Approximately 1,000 blueback herring adults were shocked in 5.25 hours of 'on-time' boat electrofishing with 352 individuals collected in the survey. Males outnumbered females (2.27:1), but were statistically shorter, when measured as total length. Run timing was as expected, with decreased adult density over time at lower sites and increased density at upper sites. Catch per unit effort (individuals/hour) was highest in late May (106/hour), while dropping from 88/hour to only 4/hour throughout the month of June. (Wells et al., 2013).

The Power Authority utilizes a hydroacoustic guidance system at both Projects to guide downstream migrants towards bypass flows. This system combined with a turbine operations regime that generally prioritizes use of the Kaplan units is designed to facilitate safe downstream passage of both juvenile and adult Blueback Herring. The total station survival of downstream migrating adult and Juvenile Blueback Herring at each Project is being evaluated in the Power Authority's Blueback Herring Downstream Migration Study.

American Eel

American Eel is a catadromous species known to inhabit the Mohawk River and is native to all drainages in the state of New York. American Eel are the only catadromous species in the state of New York, meaning they spend most of their life in fresh or brackish water and migrate out to sea to spawn. The catadromous life history of the American Eel necessitates long migrations up and down rivers to successfully complete their life cycle. American Eel spawn in the Sargasso Sea and their larvae then drift and migrate to coastal streams and enter North American estuaries, including the Hudson and Mohawk Rivers. From there, most young eel (elvers) move upstream into freshwater rivers, lakes, and ponds. However, research has shown that some eels complete their life cycle entirely in brackish water habitats (United States Fish and Wildlife Service [USFWS], 2015). Other research indicates that eel movement between fresh water and estuarine zones may be regular and seasonal in nature, in response to low winter temperatures in the estuary (USFWS, 2015).

Dams can create barriers to eel migration. However, upstream migrating juvenile eels (elvers) are strong climbers, and small elvers can negotiate wetted vertical surfaces (USFWS, 2015) to varying degrees. Carlson et al. (2016), referencing Greeley 1935, noted that sufficient numbers ascend the Mohawk River and other tributaries to the Hudson, giving the species a wide range in the Hudson River drainage area.

The American eel has been caught in the main channel of the Mohawk River as far west as Herkimer, as well as in Schoharie and West Canada Creeks (Carlson et al., 2016). During a 2015 survey conducted by the NYSDEC, no American Eel were reported in five tributaries of the Mohawk River: Cayudutta Creek, Zimmerman Creek, Crum Creek, and Canajoharie Creek (the fifth tributary was not identified) (Limburg et al., 2015). Additionally, as described earlier in this report, the USGS sampled 35 locations in 32 Mohawk River Tributary streams specifically for American Eel in 2015-16 and no eel were found. The USGS also sampled 20 tributary streams in 2019 for a fish community assessment and did not collect or observe any eel (email from Scott George, USGS to Robert Daly, NYPA, 1-6-2020). Other recent surveys by the NYSDEC in the vicinity of the Projects found limited numbers of eel present. Black Bass nighttime boat electrofishing efforts (8.9 hrs of sampling) conducted in 2018 documented one American Eel in the Crescent impoundment.

The overall presence and relative abundance of American Eel will be assessed in a separate field study being conducted by the Power Authority in 2021.

4 Discussion

The Mohawk River fishery is diverse and consists of warmwater, coolwater, and migratory species. Common warmwater species such as Smallmouth Bass and sunfish are abundant and provide a diverse recreational fishery. Likewise, coolwater species such as Walleye and Northern Pike provide desirable target species for anglers. Proportional abundance of fish species from the survey data indicate that the most abundant gamefish species within the vicinity of the Projects are Smallmouth Bass followed by Walleye. Overall, the resident fish community is dominated by warm- and cool-water species such as Bluegill, Smallmouth Bass, Yellow Perch, White Sucker, Fallfish, and Brown Bullhead. Both coolwater and warmwater species are present in sizes with trophy potential for anglers. Migratory species include the seasonally abundant Blueback Herring and the relatively uncommon American Eel. Herring provide an abundant forage base for gamefish species along with native species such as Spotfin Shiner, Spottail Shiner, and Emerald Shiner.

The migratory species exist in the vicinity of the Projects due to the Barge Canal, which provides a passage route past Cohoes Falls and the dams present along the lower Mohawk River. The Barge Canal also provides a passage route from the Great Lakes drainage into the Mohawk River and ultimately the Hudson River. While this passage route is considered a benefit for desirable species such as Blueback Herring, it also allows easier dispersal of non-native fish and other aquatic species.

The NYSDEC has described the Mohawk River Basin fisheries as being in a state of transition (NYSDEC, 2012). The non-native and invasive Zebra Mussel (*Dreissena polymorpha*), which was first observed in 1991, spread throughout the lower river by 1993. Freshwater drum, previously absent, are now common to abundant throughout the river; Northern pike, once rare, are now common throughout the river, and many are large, trophy-sized fish. At the same time, consistent with data throughout the eastern seaboard, the runs of anadromous Blueback Herring have declined, and data suggest the Smallmouth Bass fishery has shifted from one of quantity to one of quality (meaning fewer bass, but larger fish). https://wri.cals.cornell.edu/mohawk-river-basin/fish-wildlife-and-habitats.

The goal of this study effort was to use existing data to characterize the Mohawk River Fishery in the vicinity of the Projects in order to describe the resource in Exhibit E of the FERC License Applications. The available information, when looked at collectively, achieves that objective. The Mohawk River Fishery is well documented with data extending from 1934 to present day. Appendix A contains an annotated bibliography of 38 documents of studies, sampling efforts, and descriptive texts pertaining to Mohawk River Fisheries. Sampling conducted as part of these efforts was conducted for a variety of reasons, including but not limited to fish community assessments, species-specific assessments (e.g., black bass, American Eel), toxic substance monitoring, fish disease monitoring, and fish passage effectiveness. Multiple sampling methods were used and included boat electrofishing, backpack electrofishing, seining, trawling, hydroacoustic monitoring, hoop nets, gill nets, and angling. Sampling locations occurred throughout the Mohawk River and tributaries including areas within and outside of the Project boundaries. Due to the operation of the Barge Canal, data from nearby locations outside of the Project boundaries is pertinent since viable upstream and downstream passage routes connect all sections of the river. The Barge Canal also connects the Hudson River drainage to the Great Lakes drainage and serves as a vector for the distribution of non-native species from both the Great Lakes and Hudson River throughout the Mohawk River and as such, the fish community has and will continue to include new species over time.

Despite the potential influx of new species, the fishery in the Project areas is managed for warmwater and coolwater species due to their importance to the recreational fishery as well as migratory BBH. When young of the year BBH are present, they dominate the fish collected or observed during sampling. Smallmouth Bass, panfish and Walleye are the most recreationally important species. Intensive black bass (Largemouth and Smallmouth Bass) surveys conducted in 2018 found Smallmouth Bass to have the highest relative abundance (19%) of the resident species collected. Relative abundance of walleye was 12.3% and panfish (Yellow perch, Rock Bass, Pumpkinseed, and Bluegill) comprised 31.3% of the catch.

There have been no issues identified as part of Project scoping that indicate concerns to the general fishery resulting from Project operations. While issues have been raised regarding specific components of the fishery, American Eel and Blueback Herring, those issues are being addressed in other studies.

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Normandeau Associates, Inc. 2008. Spawning stock characteristics of alewife (*Alosa pseudoharengus*) and blueback herring (*Alosa aestivalis*) in the Hudson River Estuary and tributaries, including the Mohawk River 1999-2001. Final Report prepared for the NYSDEC New Paltz, NY. 150 pp.

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USGS. 2014-2015. Spatiotemporal trends in fish assemblages of the Mohawk River. The USGS and NYSDEC. https://www.sciencebase.gov/catalog/item/55ca0201e4b08400b1fdb775.

Wells, S. 2018. New York State Department of Environmental Conservation (NYSDEC). Bureau of Fisheries Technical Brief #2018040. Crescent Lake (H-240) Black Bass Survey (Survey #418011).

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Appendix A

Annotated Bibliography

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Annotated Bibliography

Campbell, Ned. 2014. Researchers Begin Study of Mohawk River Fish. Daily Gazette. June 2, 2014. 2 pp. https://dailygazette.com/2014/06/02/0602fish/.

The NYDEC and USGS conducted electrofishing surveys on the Mohawk river near Scotia NY in 2014, as the start of a three-year study of the Mohawk River fish community. Surveys targeted the main stem of the Mohawk River which extend from Lake Delta Dam downstream where it meets the Hudson River. Species, size, abundance, and distribution was documented. The last fish community survey was in the 80s and many changes have occurred to the river since then. Zebra Mussel and declining populations of Blueback Herring (BBH) were cited as concerns by USGS. BBH used to be a dominate biomass in the river and the primary forage in the river has change substantially. Walt Keller a retired DEC fisheries manger stated the river has "changed quite a bit" and that they are "finding really spotty distribution". Most fishes were found in spawning areas since many of the fish in the river are spring spawners.

One 15-minute electrofishing survey on the Mohawk River along Scotia collected 25 fishes representing 5 species including one 18-inch Fallfish with tubercles present was caught a preserved in ethanol at the NY State museum on Albany. Fish found during this run includes: Fallfish, spottail shiner, smallmouth bass, white sucker, yellow perch.

Fishes found during all surveys that day:

Fallfish, spottail shiner, smallmouth bass, white sucker, yellow perch, goldfish, walleye, carp (Likely common carp but not explicitly stated in the article). Additionally, a local angler stated he has fished walleye, trout, bass and "northerners" out of the Mohawk River (Likely calling Northern Pike "Northerners" but not explicitly stated in the article).

Carlson, D.M., Daniels, R.A. 2003. Status of Fishes in New York: Increases, Declines and Homogenization of Watersheds. Am. Midl. Nat. 152:104–139. Submitted 24 March 2003. Accepted 1 December 2003.

Fishes are inventoried across the separate 19 watersheds located in New York State. Humans have continued to introduce species into new watersheds and modify natural dispersal routes by altering habitat. Regardless, this inventory serves conservation by furthering our understanding of species extirpations and range extensions. In total, 171 taxa were identified across all 19 watersheds. 20 of these taxa were located in each watershed. Criteria for a "ubiquitous" species were species that were found in more than 5% of the sites in a watershed. These species were brown bullhead, golden shiner, common shiner, creek chub, longnose dace, brown trout, brook trout, rock bass, pumpkinseed, smallmouth bass, largemouth bass, and yellow perch. Conversely, 26 species were unique to only one specific watershed. 12 species have not been found in any recent surveys and are considered extirpated from all NYS watersheds. Additionally, there has been an increase in biodiversity in watersheds due to expansion of species range, of both native and invasive species.

Connelly, N.A. and Brown, T.L. 2009. New York Statewide Angler Survey, Report 1: Angler Effort and Expenditures. New York State Department of Environmental Conservation Bureau of Fisheries. Website: http://www.dec.ny.gov/docs/fish_marine_pdf/nyswarpt1.pdf.

The NYSDEC has contracted angler surveys since 1973 to help in assessing biological and human dimensions of New York fisheries. This document summarizes a survey conducted in 2018 about the 2017 season. This survey was conducted by both mail and online methods. Overall, there were an estimated 19.899 million angler days in New York state's inland waters during 2017. This generated approximately $252 million directly related to fishing expenditures and an additional $204 million in travel expenses. Additionally, approximately 26% of the revenue was generated by out of state anglers. Most anglers were targeting warmwater gamefish (44%) followed by coldwater gamefish (28%).

Daniels, Robert A. 2000. Untested Assumptions: The Role of Canals in the Dispersal of Sea Lamprey, Alewife, and other Fishes in the Eastern United States. Environmental Biology of Fishes 60: 309-329, 2001. Submitted 3 May 2000. Accepted 25 September 2000. 21 pp.

It is often assumed that the New York Canal system is directly related to the dispersal of aquatic species into new watersheds. While plausible in many instances, it is rarely directly observed, and the assumption is made following the observation of the range expansion. Other factors such as life history, structure of the canal, and environmental conditionals of the canal need to be explored to understand this link. This study explores some specific instances of fish dispersal and highlights some examples of range expansion without the assistance of the canal system. It is recommended to answer several questions prior to the assumption of dispersal via canal system. Does the canal offer suitable temporary habitat or long-term habitat for the species? Does the canal offer this habitat on an appropriate temporal scale? Once, these questions are answered, a further exploration of range expansion via canal can be conducted.

George, Scott D., Baldigo, Barry P., Wells, Scott M. 2016. Effects of Seasonal Drawdowns on Fish Assemblages in Sections of an Impounded River–Canal System in Upstate New York. Transactions of the American Fisheries Society. Volume 145, Issue 6. Published 14 Oct. 2016.
https://afspubs.onlinelibrary.wiley.com/doi/abs/10.1080/00028487.2016.1223751.

The New York State Barge Canal system is connected to the Mohawk River which consists of temporary and permanent impoundments. The middle section of river largely consists of temporary impoundments which are moveable dams that are removed during the winter. The removal of these dams decreases the wetted surface area of the river, sometimes by over 50%. Over 2 years, boat electrofishing was conducted to compare abundance and species composition of the fisheries in temporary impoundments and in permanent impoundments. It was found that the amount of drawdown in the impoundments largely explained the abundance of fish species. CPUE was greater in the permanent impoundments, but overall abundance of native species was greater in the temporary impoundments. These findings suggest a winter dam removal creates a natural habitat for native species.

George, Scott, Baldigo, Barry, Wells, Scott. 2015. Interagency Collaborators Survey Fish Communities on the Mohawk River. The Fish Rapper, September 2015. p 17.
(same document as above, different article)

USGS and NYSDEC boat electrofished 12 sites of near shore habitats on the Mohawk river/Barge canal in 2015. The objective of the study is to compare fish community data between river sections in which water levels are managed differently. Data will also be compared to the last river-wide fish community survey in the 1980s. Lentic species seem less abundant in river sections which experience large winter drawdowns – statistical analysis needs to be done.

George, Scott, Baldigo, Barry, Wells, Scott. 2014. Spatiotemporal Trends in Fish Assemblages of the Mohawk River. U.S. Geological Survey. March 2014. 2 pp.

A resurvey of the Mohawk River fisheries is being proposed and implemented for the first time since the early 80's. The Mohawk River is a valuable recreational fishery which also has great species diversity. Since these early surveys, the fishery of the river has changed greatly. Zebra Mussels and Northern Pike have been introduced and are now abundant to the system. Blueback herring runs are becoming less prolific. Physical changes to the river have also occurred, with improvement to dam technology which changes seasonal water flows. The United States Geological Survey (USGS) will conduct fish surveys over a two-year period at over 24 locations. Boat electrofishing will be the gear of choice and the data will be used to assess the fish assemblage and changes in the fishery.

George, Scott, Baldigo, Barry, Wells, Scott. 2014. Spatiotemporal Trends in Fish Assemblages of the Mohawk River. U.S. Geological Survey. December 2014. 4 pp.

A resurvey of the Mohawk River fisheries was implemented for the first time since the early 1980s. The Mohawk River is a valuable recreational fishery which also has great species diversity. The United States Geological Survey (USGS) will conduct fish surveys over a two-year period at over 24 locations. An analysis of 12 sites that were surveyed, showed a continued diversity in the Mohawk River fishery. The data suggested a difference in fishery assemblage between area with permanent impoundments and seasonal impoundments. This was a summary for the data collected in 2014, therefor an additional 12 sites will be surveyed in 2015. Once the data is collected in 2015, scale samples will be used to determine if growth rates of fish has changed since the 1980s surveys.

Hattala, K.A., A.W. Kahnle, and R.D. Adams. 2011. Sustainable Fishing Plan for New York River Herring Stocks. Bureau of Marine Resources, Hudson River Fisheries Unit, and Hudson River Estuary Program of New York State Department of Environmental Conservation. Website: http://www.asmfc.org/uploads/file/NY_RiverHerring_SFMP.pdf. Accessed January 2019.

This document outlines the proposed plan for compliance with Amendment 2 to the ASMFC Shad and River Herring Interstate Fishery Management Plan. States involved in the Interstate Management Plan must demonstrate that river herring fisheries are sustainable. The state of New York proposed to maintain river herring fisheries within the Hudson River and its tributaries. It proposes to close all other river herring fisheries in the state. The Hudson river fishery will be monitored and there will be restrictions to both commercial and recreational fisheries in the form of both creel and gear restrictions.

Limburg, Karin and R. Ringler. 2012. Final Report to Cornell Water Resources Institute for Blueback Herring research on the Mohawk River. "Relative Abundance of Blueback Herring (Alosa aestivalis) in Relation to Permanent and Removable Dams on the Mohawk River". Water Resources Institute, Cornell University. April 15, 2012.

This document outlines research conducted by SUNY ESF on the Mohawk River blueback herring run. Adult blueback herring were sampled at five various locations on the Mohawk River using electrofishing gear. 230 fish were taken as a sub-sample for laboratory analysis by SUNY ESF. These fish were examined for length, weight, age, sex ratio, GSI, diet and genetics. In comparison to prior studies results showed adult spawners of smaller sizes. The sex ratio has also shown to be skewed toward males compared to prior studies. Funding is needed for further genetic analysis on the samples. This analysis would provide migratory data of these fish and would provide valuable conservation management data.

Fish Fauna Checklist

List of fishes in the Mohawk River and adjoining NYS Canal System
20 families, 48 genera, 75 species

LMR Literature
List of literatures and citations on the Lower Mohawk River from 1980 to 2019
Fisheries resources managed by NYSDEC Region 4

Lower Mohawk River (H-240) - R4 Fish Survey near NYPA Hydro-Plants (1992 to 2019)
List of surveys done on the lower Mohawk River (table format)

McBride, Norman D. 2015. Fish Disease Monitoring DEC Survey No.: 408002. Div. of Fish, Wildlife & Marine Resources. 1 pp.

A daytime boat electrofishing survey on the Mohawk River was conducted as part of the USDA-APHIS Surveillance Project on May 20, 2008. Survey sites were downstream of Lock 7, in the Lock 7 tailwater on the north side and the Rock jetty on the south side. Total of 188 fishes were collected: 120 spottail shiner, 20 emerald shiner, 12 trout-perch, 12 bluegill, 15 smallmouth bass and 9 yellow perch. All fishes were sent out for disease testing, all samples came back negative.

Diseases being tested for included; Epizootic haematopoietic necrosis, Infectious haematopoietic necrosis, Spring viremia of carp, VHS, Infectious salmon anaemia, Epizootic ulcerative syndrome, Gyrodactylosis, Red sea bream iridoviral disease, Koi herpes virus disease, Furunculosis, Enteric redmouth, Infectious pancreatic necrosis, Whirling disease, and Bacterial kidney disease.

Raw data can be found in Excel sheet: LMR.Surveys.1992-2008.

McBride, Norman. 2009. Lower Mohawk River Fisheries. New York State Department of Environmental Conservation.

This study provides an overview on the history of the lower Mohawk River fishery specifically the smallmouth bass fishery. Since studies in the 1980s the smallmouth fishery has evolved from fish averaging 10 to 13 inches to fish over 14 inches. Freshwater drum have also become abundant in the river, along with a Northern Pike sport-fishery. The abundance of blueback herring in the lower Mohawk River, has declined since earlier studies. This overview requests an update to the 1994 management plan.

McBride, Norman D. 2008. Toxic Substances Monitoring DEC Survey No.: 405001. Div. of Fish, Wildlife & Marine Resources. 1 pp.

Fish samples were collected via daytime electrofishing from the Mohawk River in May 2005 between Locks 8 and 9 and below Lock 7 and the Vischer Ferry Hydropower station. Target species and numbers were: 10 rock bass, 10 smallmouth bass, 10 white perch and 5 common carp. Not all target species or numbers were found at each site, and yellow perch were used as a substitute when species were not found. PCB's, mercury, DDT compounds and organochlorines were detected below actionable levels at each site.

Locks 8 and 9:
10 smallmouth, 3 walleye, 10 yellow perch and 5 carp were collected.

The carp, smallmouth bass, walleye, and yellow perch averaged 0.45, 0.05, 0.05, and 0.08 ppm PCB,

respectively. Mercury levels averaged 0.35, 0.64, 0.36, and 0.21ppm, respectively. DDT compounds and organochlorines were <0.005ppm.

Lock 7 and the Vischer:
10 smallmouth, 10 walleye, 10 yellow perch, 4 largemouth, 2 white perch, 3 rock bass, 5 common carp. The carp, largemouth bass, rock bass, smallmouth bass, walleye, white perch, and yellow perch averaged 1.0, 0.12, 0.08, 0.18, 0.25, 0.50, and 0.12ppm PCB.

Mercury levels averaged 0.31, 0.22, 0.25, 0.53, 0.40, 0.26 and 0.19ppm, respectively. DDT compounds and organochlorines were <0.005 ppm.

Raw data can be found in Excel sheet: LMR.Surveys.1992-2008.

McBride, Norman D. 2007. Smallmouth Bass Assessment DEC Survey No.: 406002 Div. of Fish, Wildlife & Marine Resources. 1 pp.

Daytime electrofishing surveys were conducted in 1999 and 2000 to assess the abundance and size structure of smallmouth bass in lock pools 8-9, 10-11, and 14-15. Catch rates in Lock 10-11 and 14-15 were the lowest recorded to date, while lock pool 8-9 were comparable to other studies. High Proportional Stock Density (PSD) and Relative Stock Density (RSD) in 1999 and 2000 was recorded, which was also recorded high in 2006 surveys. The source of recruitment issues is unknown, but it may be related to increased predation on the young-of-year bass due to increased water clarity from the established zebra mussel population. This hypothesis needs evaluation.

Lock 8-9 Pool:
5.34 hours of daytime electrofishing
76 smallmouth bass were collected for a catch rate of 14.2 fish/hr.
12.0 legal fish/hr.

Lock 10-11 Pool:
5.63 hours of daytime electrofishing
40 smallmouth bass were collected for a catch rate of 7.1 fish/hr.
6.7 legal fish/hr.

Lock 14-15 Pool:
In 6.10 hours of daytime electrofishing
42 smallmouth bass were collected for a catch rate of 6.9 fish/hr.
5.4 legal fish/hr.

McBride, Norman. 1994. A Fisheries Management Plan for the Lower Mohawk River. New York State Department of Environmental Conservation.

This plan describes the current management history and status of the fisheries resource in the lower Mohawk River. It presents strategies and objectives moving forward with a smallmouth bass fishery management plan in mind. The plan outlines several objectives which include providing a quality warmwater fishery for a large number of anglers, specific smallmouth catch rates, specific walleye catch rates, specific panfish catch rates, and a preservation of the anadromous blueback herring run.

McBride, Norman. 1993. Smallmouth Bass Population Assessment in Three Lower Mohawk River Lock Pools. New York State Department of Environmental Conservation.

Due to few large smallmouth bass caught and high fishing pressure in the lower Mohawk River, a multiple year tagging study was conducted to assess the smallmouth bass fishery. The objectives of the study were to assess the standing crop, rate of exploitation, bass movement, and theoretical effects of different size limit options on the population structure. A total of 4,183 smallmouth bass were collected and only 37 (1%) of these fish were over 16 inches. Recruitment to the fishery is generally at age 4. Out of the legal bass caught by anglers, about 35% percent were released. Existing catch rates are high in this fishery, and it is recommended that the minimum size limit of 12 inches continues.

McBride, Norman. 1993. Summary of Lower Mohawk River Reports. New York State Department of Environmental Conservation.

This document provides a summary of eight various studies conducted on the lower Mohawk River. This includes a summary of the smallmouth bass population assessment, smallmouth bass angler diary program, walleye tagging program, substrate classification from Locks 8 to Lock 18, age and growth analysis of selected fishes, an overall distribution and relative abundance of fish in the lower Mohawk River, and an angler creel survey of the lower river.

McBride, Norman. 1987. Interim Management Plan for Mohawk River Fisheries. New York State Department of Environmental Conservation.

Ongoing studies are compiled into a management plan to assist in providing direction in managing the fisheries of the lower Mohawk River. This document awaits the completion of a smallmouth bass study to complete the final management plan. This document addresses environmental protection issues including: hydropower, toxic substances, dredging, and a habitat inventory. It also includes specific species management plans for smallmouth bass, tiger musky, walleye and anadromous species. Additionally, public usage is explored and an objective to develop a public fishing brochure is created.

McBride, Norman. 1986. Age and Growth of Selected Fishes from the Lower Mohawk River. New York State Department of Environmental Conservation.

The data used in this study was derived from a previous study between 1979 and 1983. A fisheries survey was conducted on the lower Mohawk River using various gear types. This is the first study that assesses age and growth information for lower Mohawk River fish. A total of 2,638 fish were aged over 12 different species of interest. Except for bluegill and black crappie, lower Mohawk River fishes are faster growing than regional averages. The variations could be attributed to small sample sizes.

McBride, Norman. 1985. Distribution and Relative Abundance of Fish in the Lower Mohawk River. New York State Department of Environmental Conservation.

This report is the second part of a report on the Lower Mohawk River to better understand fisheries potential and management needs. Trap netting, electrofishing, and gill netting efforts were conducted between 1979 and 1983. A total of fifty-six fish species were recorded from the Lower Mohawk River during the sampling period. This is 12 species greater than the last survey of 1934, which suggests an evolving fisheries assemblage. Due to the barge canal system being a direct link to several watershed's, it is likely that the Mohawk River fishery will continue to change.

McBride, Norman. 1985b. Food Habit Study of Black Bass from the Lower Mohawk River. New York State Department of Environmental Conservation.

A study was conducted to assess the use of blueback herring as a forage fish for smallmouth and largemouth bass. Three locations on the lower Mohawk river were sampled for bass using electrofishing methods between May and September of 1983. Stomach contents were immediately identified and counted following fish collection. Fish were the most commonly identified prey in smallmouth bass, followed secondly by crayfish during the study. Juvenile herring were found as frequent prey item in bass from the Crescent Lake and Lock 11 Pool, but not in the Lock 14 Pool. This is likely due to low abundance of herring above Lock 13 due to the barge canal opening timing during 1983. Smallmouth bass exhibit above average growth standards in this section of the river, likely due to the predation on juvenile herring.

McBride, Norman. 1983. 1982 Angler Survey of the Lower Mohawk River (Crescent Dam to Lock 16). New York State Department of Environmental Conservation.

Due to concerns relating to the degradation of the fishery resource in the Mohawk River, a study was conducted by the New York State Department of Transportation (NYSDOT) and New York State Department of Environmental Conservation (NYSDEC) to determine the distribution and magnitude of fishing pressure on the New York State canal system. The 1982, study consisted of lock tender counts, aerial angler counts, and angler interview data. Unusually high fishing pressure was found during the 1982 study on the Lower Mohawk River. Estimate fishing pressure was 389,033 hours between May 1 and October 31. This equates to 62.7 hours per acre which is the highest reported from any large warmwater systems in New York. Estimate fish harvest was 12.5 fish per acre or 9.2 lbs of fish per acre.

McBride, Norman. 1981. 1980 Fisheries Survey of The Lock 7 Pool (Lock 7 to Lock 8) of the Mohawk River. New York State Department of Environmental Conservation.

A fisheries survey was conducted at the Lock 7 Pool of the Mohawk River as a part of a multi-year fisheries survey conducted by the New York Region 4 Fisheries Unit. A bathymetric survey and water chemistry survey was conducted prior to the fisheries survey. The fish survey was sampled by means of trap net, gill net, and electrofishing. The water chemistry data suggested moderately fertile water with adequate dissolved oxygen levels to support fish life at all depths. A total of twenty-five fish species were collected over a six-day sampling period. Even with Lock 7 Pool being in an industrialized area, laboratory analysis of collected fish did not indicate harmful contaminant levels. The overall fishery quality was considered “good” with a nongame to game fish ratio of 2.7/1. This low ratio suggests that Lock 7 Pool is capable of supporting another predator species.

New York Power Authority. 2013. Hydroacoustic Studies of Downstream Passage of BBH at the Crescent Hydroelectric Project.

An ultrasonic projector array (122-128kMz broadband sound) was deployed at the Crescent Project from August to November 2012 to redirect juvenile Blueback Herring (BBH) from the intake channel to the main channel during their downstream migration. In 2008, a similar study at the Crescent Project demonstrated that the ultrasonic projectors were partially effective. In this 2012 study, the ultrasonic array was reconfigured and tested for efficacy.

Pelagic trawls and mobile acoustic surveys were used to determine density and abundance of juvenile BBH in the main channel region compared to the intake channel region. These surveys revealed juvenile BBH

abundance was 35 times higher in the main channel compared to the intake channel. During peak migration (September 20 to October 14) continuous monitoring from a fixed-location transducer revealed that 76% of the downstream passage of juvenile BBH occurred through the main channel. These results demonstrated the efficacy of the newly configured ultrasonic array and improved downstream passage at the Crescent Project for the majority of out-migrating juvenile BBH.

New York State Department of Environmental Conservation. 2017. Mohawk River Basin Action Agenda 2018 - 2022.

This document defines the objectives to create a collaborative effort to promote integrated management of the Mohawk River Resources. The objectives are as following; to improve the water quality to create a swimmable river, to improve fisheries and habitat to create a fishable river, and to plan for overall resiliency in the Mohawk River watershed.

New York State Department of Environmental Conservation. Bureau of Fisheries. 2015 - 2016. Bureau of Fisheries Annual Report.

This document summarizes the most significant fisheries activities that took place between 2015 and 2016. These included activities from the regional offices, fish hatcheries, and research stations. The Region 4 NYSDEC office continued the field study of the Mohawk River fishery to bring the effort to a total of three years. The Mohawk River was sampled between canal locks E6 to E21. In 2015 a total of 39 species were captured via daytime electrofishing. As observed in previous years, CPUE was greatest in permanently impounded waters when compared to seasonally impounded waters.

New York State Department of Environmental Conservation. Bureau of Fisheries. 2014 - 2015. Bureau of Fisheries Annual Report.

This document summarizes the most significant fisheries activities that took place between 2014 and 2015. These included activities from the regional offices, fish hatcheries, and research stations. The Region 4 NYSDEC office collaborated with USGS on a two-year field study of the Mohawk River fishery assemblage. The study was concluded in 2014 and a total of 27 sites of the Mohawk River were electrofished. Study results suggested that fish communities differed greatly in various sections of the river. CPUE was greatest in sections of the river that were permanently impounded when compared to seasonally impounded sections.

New York State Department of Environmental Conservation. 2013. Bureau of Fisheries 2012 - 2013 Annual Report.

This document summarizes the significant fisheries activities that took place between 2012-2013 amongst the regional fisheries offices, hatcheries, and research stations. For example, in Region 4 on the Mohawk River a Blueback River Herring assessment was conducted. The State University of New York Environmental Science and Forestry (SUNY ESF) collaborated with the Region 4 fisheries office to track blueback herring during their annual spawning run. 352 fish were collected, and stomach analysis were conducted at each site. Male fish outnumbered female fish captured during the study. The catch was greatest during late May and dropped off greatly in late June. An analysis of the fishery suggests that adult spawning fish have decreased in size and quantity in this fishery.

Normandeau Associates, Inc. 2008. Preface and Errata.

This is the preface to Volume 1 and Volume 2 for the Normandeau Associates papers on blueback herring and alewife. Volume 1 summarizes data of river herring (blueback herring and alewife combined), Volume 2 summarizes data on species level and river segments.

Haul seine sampling was rejected too early and may have impacted the age estimation structure. Mortality rates requires unbiases age data, which was impacted by the sampling methods, mainly gill nets. Note that the confidence intervals that accompany the estimates reflect statically variation and do not reflect any biases.

Errata outlines some corrections made in the text.

Normandeau Associates, Inc. 2008. Quality Control Inspection Results of Age & Spawning Mark Determination from Scales of Alewife (Alosa Pseudoharengus) and Blueback Herring (Alosa Aestivalis) in the Hudson River Estuary and Tributaries, Including the Mohawk River, 1999 - 2001. April 2008. 80 pp.

Quality Control inspection of age and spawning marks – tables and graphs.

Normandeau Excel Files:

RH_FISHDATA.CVS or RH_FISHDATA.XLS
Raw data of blueback herring and alewife from 1999 to 2001
26,414 fishes collected

RH_WQDATA.XLS
Raw water quality data from the river herring surveys in 1999 to 2001

Other Excel Files:

LMR Surveys 1992 – 2008
LMR = Lower Mohawk River

Collecting specimens for Toxic Substance Monitoring Program (TSMP) and Fish Disease Monitoring. One survey was done to investigate a fish kill (dead pike below VF Dam). Methods used include beach seine, boat electrofishing, and visual observation, which was only used for the fish kill survey. Some survey abstracts can be found in "Abstracts_2005-2012_McBride_Wells" and are summarized above.

MR_basin_fishes.xlsx
Freshwater fishes of NY state (n~179), listed in phylogenetic order
Includes NY state status
Source: NYSDEC Fisheries database
3 invasive species to watch for: Tubenose goby, Ruffe, Western Mosquitofish

Normandeau Associates, Inc. 2008. Spawning Stock Characteristics of Alewife (Alosa Pseudoharengus) and Blueback Herring (Alosa Aestivalis) in the Hudson River Estuary and Tributaries, Including the Mohawk River, 1999 - 2001. Volume 1. April 2008. 151 pp.

Three-year study 1999 - 2001 to study alewife and blueback herring (called "river herring" when combined) spawning populations in the Hudson River estuary and lower portion of the Mohawk River. Primary objective was to determine and compare size, age structure, repeat spawning, sex ratio, mortality rates and the spawning population in different sections of the river. Multiple gears were used to sample 11 regions along 125 miles of the Hudson river, and 5 regions along the lower 85 river miles of the Mohawk River.

Out of the 26,414 river-herring caught during the study:

- 17,631 tagged and released, 34 recaptures with survey (0.2%), 331 recaptured by others (1/9%)
- 62.3% male, 37.7 female
- River herring with ripe gonads were predominantly male (81.7 to 93.9%), while green and spent conditions were predominately female (64.4 – 93.5 % and 62.3-65.0%, respectively)
- Percent of river herring with ripe gonads decreased late-may but increased again in early June – peak spawning likely in late April through early June
- Age 4-6 river herring were most abundant
- Spawning marks on scale samples provided evidence for repeat spawning in 17% of the catch (1999-2001)
- Up to 6 spawning marks were found on Age 4-13 fish, providing evidence of multiple spawning migrations

- Mean length ages vary among cohorts within an age and year
- Mortality rates vary depending on age and repeat spawning

Normandeau Associates, Inc. 2007. Herring Report Volume 2.Blueback herring (BBH) and Alewife from 1999 to 2001.

Data broken up by sex and location: CPUE, mean length, length frequency, gear selectivity, sexual condition, growth and condition factor, age-length frequency, repeat spawning, mean length at age, catch curves, mortality rates and population movements.

Pages for data on the Mohawk River:

- Female Alewife - page 159
    - No females captured between 1999 and 2001.
    - Seines, fkye nets, rod and reel, cast net, scap net, five gill nets with various meshes were all used in efforts for sampling.
- Male Alewife - page 263
    - No Male alewives were captured during the 1999 to 2001, same sampling efforts as the female above.
- Female BBH - page 361
- Male BBH - page 468

Normandeau Associates, Inc. 2006. Spawning Stock Characteristics of Alewife (Alosa Pseudoharengus) and Blueback Herring (Alosa Aestivalis) in the Hudson River Estuary and Tributaries, Including the Mohawk River, 1999 – 2001 Volume 2. May 2006. 122 pp.

Appendix for Volume 2 – Tables of data

Onondaga Environmental Institute. Undated. Macroinvertebrate Community Structure in the Mohawk River (NY,USA): Gradients in Water Quality Conditions and Implications for Restoration. 62 pp.

Macroinvertebrate study was conducted in 2014 to 2015 in the Mohawk River along a 166km section between Marcy and Waterford, where 56 sites were sampled with Multiplates. Results show that the macroinvertebrate community was negatively impacted by fluctuations in stream condition caused by channelization. Macroinvertebrate communities were relatively un-diverse and dominated by pollution-sensitive Chironomidae species and zebra mussel. Ephemeroptera, Plecoptera, and Trichoptera were not abundant. Based on NYSDEC Biological assessment, average stream condition was moderately impacted. Aquatic vegetation and tributary inflow may be important drivers of diverse macroinvertebrate communities and help maintain healthy water quality.

United States Geological Survey. 2015 - 2016. American Eel in tributaries to the Mohawk River. The USGS, SUNY ESF, and DEC screening survey of tributaries for American Eel.

United States Geological Survey. 2015. U.S. Geological Survey, New York Water Science Center Newsletter, 20 (1).

This newsletter describes several research activities ongoing in New York state watersheds. For example, on the Mohawk River, there is a proposed research to conduct a fish community survey. The last fish community survey was done 30 years prior, and the fishery in the river has evolved since this last survey. Zebra mussels, freshwater drum, and northern pike have become abundant in the Mohawk River, which are distinct changes from the 1980s fishery. The NYSDEC and USGS plan to survey 24 separate locations during 2014 and 2015.

United States Geological Survey. 2014 - 2015. Spatiotemporal trends in fish assemblages of the Mohawk River. The USGS and NYSDEC. https://www.sciencebase.gov/catalog/item/55ca0201e4b08400b1fdb775.

This document outlines a collaborative study conducted by the NYSDEC and USGS on the Mohawk River. The study consisted of electrofishing 24 sites over a 2-year period. The goals of the study included identifying the fisheries assemblage, fish abundance, and spatial differences of seasonal and permanent impoundments in the Mohawk River. Overall, 39 species were captured during this sampling effort, and lentic fish species were more abundant within permanently impounded areas of the Mohawk River. CPUE was also much greater in areas that were permanently impounded.

United States Geological Survey. 2012. Relative Abundance of Blueback Herring (Alosa aestivalis) in Relation to Permanent and Removeable Dams on the Mohawk River.

A primary goal of the Mohawk River Basin Action Agenda is to “understand and manage fish, wildlife, and their habitats in the Mohawk River”. A requirement of this is to better understand the blueback herring population in the Mohawk River. The river herring is important to the striped bass, which is an important species to the local economies. The New York State Barge Canal system creates fish passage barriers, yet also adds connections to new habitats. A study to better understand herring passage at migration barriers, what habitats herring are using during the summer months, and analyze otolith chemistry to understand migratory characteristics will be conducted.

VRHMP. 2011. 2011 Volunteer River Herring Monitoring Program Report. 12 pp.

The Hudson River Estuary Action Agenda is a collaborative plan to between various public and private groups. The goals of the plan include protecting fish, wildlife, and their habitats in a way that encourage community involvement. The Volunteer River Herring Monitoring Program (VRHMP) allows for the Hudson River Fisheries Unit to collect more data, over a greater number of tributaries. During 2011, the program involved 268 volunteers spread over 12 tributaries. The volunteers recorded 178 herring sightings, which was a 2% greater herring per trip ratio than 2010. This program is allowing discovering herring in new tributaries and has expanded in effort since 2008.

Wells, Scott. 2018. Crescent Lake (H-240) Black Bass Survey (Survey #: 418011). Bureau of Fisheries Technical Brief #2018040. August 31, 2018. 2 pp.

Crescent lake is a 1,904-acres permanent impoundment on the lower Mohawk River located at the top of Waterford Flight of Locks. The impoundment is eutrophic and infested with water chestnut but supports a diverse assemblage of warmwater species including: smallmouth bass, largemouth bass, walleye, northern pike, chain pickerel, channel catfish, stocked tiger muskellunge, blueback herring, American eel, yellow perch, bluegill, brown bullhead, black crappie, pumpkin seed, rock bass, spottail shiner, spotfin shiner and

other shiners.

Between June 18 - 27, 2018, 27 boat electrofishing surveys (14 all fish, 13 sportfish only) were conducted during nighttime, for a total on 8.9 hours of shocking time. 1,038 fishes were captured representing 27 individual species. Smallmouth bass were the most numerous sport fish (n=198), followed by walleye (n=130) and pumpkin seed (n=129). Over one-half of smallmouth bass were immature (<9in), yet few juvenile largemouth bass were captured or observed. Only 16 out of the 130 walleyes were of legal size (>15 in) with a catch rate of 2/hour. No tiger muskellunge were collected or observed. Large schools of juvenile blueback herring and shiners were observed, an indication of the lower river's productivity. Fish passage improvements at both ends of the impoundment would likely reduce mortality of migratory species (blueback herring and American eel) which would result in more productive and balanced warmwater ecosystem.

Wells, S. 2017. Review and Summary of McBride 1994 Fisheries Management Plan for the Lower Mohawk River. DEC R4 Fisheries for the MRBAA Fisheries Meeting on 12-13-2017. 5 pp.

This document summarizes the McBride 1994 Fisheries Management Plan for the Lower Mohawk River. This summary was presented at a MRBAA Fisheries Meeting on December 13th of 2017. The fisheries issues are summarized including the in-river disturbances. The various management objectives are then outlined along with the management needs to fulfil the fisheries objectives. The recommendations are then outlined along with a detailed history of the fishery from the 1994 management plan on the lower Mohawk River.

Wells, S. 2015. Agencies Collaborate to Assess Lower Mohawk River Fish Assemblages. The Fish Rapper, March 2015. p 13.

The Mohawk River, including the NYS Barge Canal, supports a diverse fishery used extensively by recreational anglers. The USGS and NYSDEC conducted electrofishing sampling in Region 4 on the Mohawk River. Year two of 3-year study 2014 -2016.

The river has experienced a number of substantial changes since then including several major storm events, establishment of Zebra Mussels (*Dreissena polymorpha*), and declining runs of anadromous Blueback Herring (*Alosa aestivalis*).

Preliminary results indicated that fish communities currently differ substantially between permanent and seasonally impounded sections of the river. CPUE in permanently impounded sections were twice the CPUE of the seasonally impounded areas. Yellow Perch and centrarchids contributed strongly to these differences. Walleye and smallmouth were also abundant in permanently impounded reaches.

Wells, S.M., Limburg, K.E., Legard, C.D. 2013. Tracking Blueback Herring in the Lower Mohawk River. AFS NY - Chapter Meeting. January 30 - February 1, 2013. Submitted 1-10-2013. 22 pp.

In the Spring of 2012, New York State Department of Environmental Conservation (NYSDEC) conducted a sample of the blueback herring run in the Mohawk River. There were five boat electrofishing samples conducted during May and June of 2012. In total, about 1000 blueback herring were sampled during the survey, with 352 fish collected for gut analysis. Gut analysis determined that fish fed mostly on chironomids and fish eggs during their spring migration. Additionally, the ratio of males to females collected was (2.27:1). Catch per unit effort was greatest in late May, with 106 fish collected per hour, decreasing to a low of 4 fish per hour in late June. These findings assist in providing more baseline data for the blueback herring fishery

in the Mohawk watershed.

Wells, S. 2012. Survey Type 99 (Other) DEC Survey No.: 412007. Div. of Fish, Wildlife & Marine Resources. 1 pp.

NYDEC Region 4 fisheries team and SUNY college of Environmental Science and Forestry (ESF) conducted annual boat electrofishing survey for Blueback Herring in 2012. Five sites were sampled below Canal Corp dams and adjacent lock between May 23 and June 26 during the day. A minimum of 30 blueback herring (BBH) were collected at each site during the day. Approximately 1,000 adult BBH were recorded in 5.25 hours of effort, with 352 collected for stomach analyses. Migrating adults fed mostly on midge larvae and fish eggs at all sites with the exception of one site, where mayfly larvae were dominate. Ratio of males to females were 2.27:1 but males were significantly smaller in total length (TL). Females had a higher percentage of food in their stomachs compared to males (87:79, p=0.53). CPUE was highest in late May with 106 fish/hour which dropped to 88 fish/hour in early June and 4 fish/hour in late June. Less food was found in the stomachs during late June as well. SUNY ESF concluded that adult spawners size have declined significantly over time and sex ratios are skewed towards male. New state regulation for BBH and alewife are intended to reduce harvest in 2013 and onwards.

Appendix B

Fish Survey Data

NYSDEC Surveys

NYSDEC Surveys												
DEC Survey #	Date	Site	Gear	Effort (Hours)	Species	# of Fish	NY Status	TL (mm)	Weight (g)	TL Min	TL Max	O/C
492004	5/15/1992	1	E-Boat	0.87	white bass	1	0	333				C
492004	5/15/1992	1	E-Boat	0.87	tiger musky	1	hybrid	820				C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	280				C
492004	5/15/1992	1	E-Boat	0.87	largemouth bass	1	0	375				C
492004	5/15/1992	1	E-Boat	0.87	largemouth bass	1	0	492				C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	282				C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	275				C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	239				C
492004	5/15/1992	1	E-Boat	0.87	largemouth bass	1	0	233				C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	287				C
492004	5/15/1992	1	E-Boat	0.87	largemouth bass	1	0	269				C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	269				C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	229				C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	291				C
492004	5/15/1992	1	E-Boat	0.87	largemouth bass	1	0	319				C
492004	5/15/1992	1	E-Boat	0.87	largemouth bass	1	0	275				C
492004	5/15/1992	1	E-Boat	0.87	largemouth bass	1	0	290				C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	263				C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	286				C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	187				C
492004	5/15/1992	1	E-Boat	0.87	largemouth bass	1	0	233				C
492004	5/15/1992	1	E-Boat	0.87	largemouth bass	1	0	193				C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	178				C
492004	5/15/1992	1	E-Boat	0.87	largemouth bass	1	0	239				C
492004	5/15/1992	1	E-Boat	0.87	largemouth bass	1	0	264				C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	305				C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	340				C
492004	5/15/1992	1	E-Boat	0.87	largemouth bass	1	0	246				C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	305				C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	304				C
492004	5/15/1992	1	E-Boat	0.87	largemouth bass	1	0	269				C
492004	5/15/1992	1	E-Boat	0.87	white perch	1	0	232	180			C
492004	5/15/1992	1	E-Boat	0.87	white perch	1	0	255	275			C
492004	5/15/1992	1	E-Boat	0.87	white perch	1	0	232	180			C
492004	5/15/1992	1	E-Boat	0.87	white perch	1	0	267	325			C
492004	5/15/1992	1	E-Boat	0.87	white perch	1	0	262	275			C
492004	5/15/1992	1	E-Boat	0.87	white perch	1	0	197	85			C
492004	5/15/1992	1	E-Boat	0.87	white perch	1	0	221	170			C
492004	5/15/1992	1	E-Boat	0.87	white perch	1	0	204	120			C
492004	5/15/1992	1	E-Boat	0.87	white perch	1	0	202	130			C
492004	5/15/1992	1	E-Boat	0.87	white perch	1	0	185	85			C
492004	5/15/1992	1	E-Boat	0.87	white perch	1	0	282	450			C
492004	5/15/1992	1	E-Boat	0.87	white perch	1	0	263	310			C

NYSDEC Surveys												
DEC Survey #	Date	Site	Gear	Effort (Hours)	Species	# of Fish	NY Status	TL (mm)	Weight (g)	TL Min	TL Max	O/C
492004	5/15/1992	1	E-Boat	0.87	white perch	1	0	284	380			C
492004	5/15/1992	1	E-Boat	0.87	white perch	1	0	282	355			C
492004	5/15/1992	1	E-Boat	0.87	white perch	1	0	219	175			C
492004	5/15/1992	1	E-Boat	0.87	white perch	1	0	251	260			C
492004	5/15/1992	1	E-Boat	0.87	white perch	1	0	214	140			C
492004	5/15/1992	1	E-Boat	0.87	white perch	1	0	203	110			C
492004	5/15/1992	1	E-Boat	0.87	white perch	1	0	166	60			C
492004	5/15/1992	1	E-Boat	0.87	white perch	1	0	178	70			C
492004	5/15/1992	1	E-Boat	0.87	white perch	1	0	181	75			C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	352	640			C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	326	450			C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	358	595			C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	336	590			C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	415	1150			C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	346	740			C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	308	410			C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	363	730			C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	362	735			C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	358	710			C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	319	435			C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	306	460			C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	319	435			C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	368	760			C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	379	690			C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	310	445			C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	404	1120			C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	312	410			C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	352	540			C
492004	5/15/1992	1	E-Boat	0.87	smallmouth bass	1	0	331	540			C
492004	5/15/1992	1	E-Boat	0.87	blueback herring	N/A						O
492004	5/15/1992	1	E-Boat	0.87	tiger musky	N/A	hybrid					O
492004	5/15/1992	1	E-Boat	0.87	common carp	N/A						O
492004	5/15/1992	1	E-Boat	0.87	emerald shiner	N/A						O
492004	5/15/1992	1	E-Boat	0.87	fallfish	N/A						O
492004	5/15/1992	1	E-Boat	0.87	white sucker	N/A						O
492004	5/15/1992	1	E-Boat	0.87	northern hog sucker	N/A						O
492004	5/15/1992	1	E-Boat	0.87	shorthead redhorse	N/A						O
492004	5/15/1992	1	E-Boat	0.87	brown bullhead	N/A						O
492004	5/15/1992	1	E-Boat	0.87	rock bass	N/A						O
492004	5/15/1992	1	E-Boat	0.87	pumpkinseed	N/A						O
492004	5/15/1992	1	E-Boat	0.87	bluegill	N/A						O
492004	5/15/1992	1	E-Boat	0.87	white crappie	N/A						O
492004	5/15/1992	1	E-Boat	0.87	black crappie	N/A						O

NYSDEC Surveys												
DEC Survey #	Date	Site	Gear	Effort (Hours)	Species	# of Fish	NY Status	TL (mm)	Weight (g)	TL Min	TL Max	O/C
492004	5/15/1992	1	E-Boat	0.87	walleye	N/A						O
498004	5/14/1998	1	E-Boat	0.34	brown bullhead	1	0	355	840			C
498004	5/14/1998	1	E-Boat	0.34	brown bullhead	1	0	372	900			C
498004	5/14/1998	1	E-Boat	0.34	brown bullhead	1	0	297	450			C
498004	5/14/1998	1	E-Boat	0.34	brown bullhead	1	0	338	650			C
498004	5/14/1998	1	E-Boat	0.34	brown bullhead	1	0	381	890			C
498004	5/14/1998	1	E-Boat	0.34	brown bullhead	1	0	347	720			C
498004	5/14/1998	1	E-Boat	0.34	brown bullhead	1	0	356	760			C
498004	5/14/1998	1	E-Boat	0.34	brown bullhead	1	0	289	340			C
498004	5/14/1998	1	E-Boat	0.34	brown bullhead	1	0	247	240			C
498004	5/14/1998	1	E-Boat	0.34	brown bullhead	1	0	300	470			C
498004	5/14/1998	1	E-Boat	0.34	brown bullhead	1	0	318	530			C
498004	5/14/1998	1	E-Boat	0.34	largemouth bass	1	0	316	520			C
498004	5/14/1998	1	E-Boat	0.34	largemouth bass	1	0	441	1540			C
498004	5/14/1998	1	E-Boat	0.34	largemouth bass	1	0	421	1320			C
498004	5/14/1998	1	E-Boat	0.34	largemouth bass	1	0	444	1560			C
498004	5/14/1998	1	E-Boat	0.34	largemouth bass	1	0	361	740			C
498004	5/14/1998	1	E-Boat	0.34	largemouth bass	1	0	435	1470			C
498004	5/14/1998	1	E-Boat	0.34	largemouth bass	1	0	447	1630			C
498004	5/14/1998	1	E-Boat	0.34	largemouth bass	1	0	419	1320			C
498004	5/14/1998	1	E-Boat	0.34	largemouth bass	1	0	400	1200			C
498004	5/14/1998	1	E-Boat	0.34	largemouth bass	1	0	424	1460			C
498004	5/14/1998	1	E-Boat	0.34	largemouth bass	1	0	419	1160			C
498004	5/14/1998	1	E-Boat	0.34	largemouth bass	1	0	349	750			C
498004	5/14/1998	1	E-Boat	0.34	largemouth bass	1	0	441	1380			C
498004	5/14/1998	1	E-Boat	0.34	largemouth bass	1	0	398	1130			C
498004	5/14/1998	1	E-Boat	0.34	largemouth bass	1	0	331	580			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	198	230			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	163	110			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	190	170			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	167	120			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	156	100			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	133	50			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	178	150			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	150	90			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	156	95			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	166	130			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	176	140			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	162	120			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	130	55			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	171	140			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	159	110			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	170	140			C

NYSDEC Surveys												
DEC Survey #	Date	Site	Gear	Effort (Hours)	Species	# of Fish	NY Status	TL (mm)	Weight (g)	TL Min	TL Max	O/C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	126	50			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	206	230			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	209	240			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	201	230			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	210	240			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	191	170			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	183	170			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	114	30			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	141	70			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	186	180			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	126	50			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	205	250			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	186	180			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	165	130			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	166	130			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	187	180			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	154	95			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	168	130			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	165	120			C
498004	5/14/1998	1	E-Boat	0.34	pumpkinseed	1	0	116	35			C
498004	5/14/1998	1	E-Boat	0.34	common carp	1	I	508	2090			C
498004	5/14/1998	1	E-Boat	0.34	common carp	1	I	485	1700			C
498004	5/14/1998	1	E-Boat	0.34	common carp	1	I	596	3520			C
498004	5/14/1998	1	E-Boat	0.34	yellow perch	1	0	196	80			C
498004	5/14/1998	1	E-Boat	0.34	yellow perch	1	0	181	75			C
498004	5/14/1998	1	E-Boat	0.34	yellow perch	1	0	298	400			C
498004	5/14/1998	1	E-Boat	0.34	yellow perch	1	0	91	10			C
498004	5/14/1998	1	E-Boat	0.34	yellow perch	1	0	196	85			C
498004	5/14/1998	1	E-Boat	0.34	yellow perch	1	0	219	130			C
498004	5/14/1998	1	E-Boat	0.34	yellow perch	1	0	100	10			C
498004	5/14/1998	1	E-Boat	0.34	yellow perch	1	0	238	180			C
498004	5/14/1998	1	E-Boat	0.34	blueback herring	1	0	267	200			C
498004	5/14/1998	1	E-Boat	0.34	smallmouth bass	1	0	98	10			C
498004	5/14/1998	1	E-Boat	0.34	rock bass	1	0	54	N/A			C
498004	5/14/1998	1	E-Boat	0.34	bluegill	1	0	126	40			C
498004	5/14/1998	1	E-Boat	0.34	white sucker	1	0	90	10			C
498004	5/14/1998	1	E-Boat	0.34	white sucker	1	0	134	30			C
498004	5/14/1998	1	E-Boat	0.34	white sucker	1	0	436	1120			C
498004	5/14/1998	1	E-Boat	0.34	white sucker	1	0	126	20			C
498004	5/14/1998	1	E-Boat	0.34	white sucker	1	0	410	900			C
498004	5/14/1998	1	E-Boat	0.34	shorthead redhorse	1	0	425	790			C
498004	5/14/1998	2	E-Boat	0.51	walleye	1	0	678	2860			C
498004	5/14/1998	2	E-Boat	0.51	freshwater drum	1	0	475	1500			C

NYSDEC Surveys												
DEC Survey #	Date	Site	Gear	Effort (Hours)	Species	# of Fish	NY Status	TL (mm)	Weight (g)	TL Min	TL Max	O/C
498004	5/14/1998	2	E-Boat	0.51	freshwater drum	1	0	500	1820			C
498004	5/14/1998	2	E-Boat	0.51	freshwater drum	1	0	392	760			C
498004	5/14/1998	2	E-Boat	0.51	freshwater drum	1	0	315	340			C
498004	5/14/1998	2	E-Boat	0.51	blueback herring	1	0	233	110			C
498004	5/14/1998	2	E-Boat	0.51	blueback herring	1	0	245	120			C
498004	5/14/1998	2	E-Boat	0.51	blueback herring	1	0	233	110			C
498004	5/14/1998	2	E-Boat	0.51	blueback herring	1	0	232	110			C
498004	5/14/1998	2	E-Boat	0.51	blueback herring	1	0	249	120			C
498004	5/14/1998	2	E-Boat	0.51	blueback herring	1	0	235	110			C
498004	5/14/1998	2	E-Boat	0.51	blueback herring	1	0	254	140			C
498004	5/14/1998	2	E-Boat	0.51	blueback herring	1	0	235	110			C
498004	5/14/1998	2	E-Boat	0.51	blueback herring	1	0	239	110			C
498004	5/14/1998	2	E-Boat	0.51	blueback herring	1	0	247	120			C
498004	5/14/1998	2	E-Boat	0.51	blueback herring	1	0	219	105			C
498004	5/14/1998	2	E-Boat	0.51	blueback herring	1	0	258	150			C
498004	5/14/1998	2	E-Boat	0.51	blueback herring	1	0	246	130			C
498004	5/14/1998	2	E-Boat	0.51	blueback herring	1	0	230	100			C
498004	5/14/1998	2	E-Boat	0.51	blueback herring	1	0	236	120			C
498004	5/14/1998	2	E-Boat	0.51	blueback herring	1	0	250	120			C
498004	5/14/1998	2	E-Boat	0.51	blueback herring	1	0	240	120			C
498004	5/14/1998	2	E-Boat	0.51	blueback herring	1	0	286	220			C
498004	5/14/1998	2	E-Boat	0.51	blueback herring	1	0	257	140			C
498004	5/14/1998	2	E-Boat	0.51	blueback herring	1	0	254	140			C
498004	5/14/1998	2	E-Boat	0.51	blueback herring	1	0	261	180			C
498004	5/14/1998	2	E-Boat	0.51	blueback herring	1	0	244	130			C
498004	5/14/1998	2	E-Boat	0.51	blueback herring	1	0	247	130			C
498004	5/14/1998	2	E-Boat	0.51	blueback herring	1	0	243	130			C
498004	5/14/1998	2	E-Boat	0.51	blueback herring	1	0	242	120			C
498004	5/14/1998	2	E-Boat	0.51	blueback herring	1	0	243	130			C
498004	5/14/1998	2	E-Boat	0.51	blueback herring	1	0	238	110			C
498004	5/14/1998	2	E-Boat	0.51	blueback herring	1	0	261	170			C
498004	5/14/1998	2	E-Boat	0.51	blueback herring	1	0	242	110			C
498004	5/14/1998	2	E-Boat	0.51	blueback herring	1	0	271	170			C
498004	5/14/1998	1	E-Boat	0.34	northern pike	1	0				508	O
498004	5/14/1998	1	E-Boat	0.34	emerald shiner	15	0			51	76	O
498004	5/14/1998	1	E-Boat	0.34	white sucker	7	0			375	440	C
498004	5/14/1998	2	E-Boat	0.51	blueback herring	N/A	0					O
498004	5/14/1998	2	E-Boat	0.51	tiger musky	1	hybrid				1016	O
498004	5/14/1998	2	E-Boat	0.51	common carp	N/A	I					O
498004	5/14/1998	2	E-Boat	0.51	spottail shiner	N/A	0					O
498004	5/14/1998	2	E-Boat	0.51	white sucker	N/A	0					O
498004	5/14/1998	2	E-Boat	0.51	shorthead redhorse	N/A	0					O
498004	5/14/1998	2	E-Boat	0.51	brown bullhead	N/A	0					O

NYSDEC Surveys												
DEC Survey #	Date	Site	Gear	Effort (Hours)	Species	# of Fish	NY Status	TL (mm)	Weight (g)	TL Min	TL Max	O/C
498004	5/14/1998	2	E-Boat	0.51	rock bass	N/A	0					O
498004	5/14/1998	2	E-Boat	0.51	smallmouth bass	N/A	0					O
405001	5/12/2005	1	E-Boat	2.5	smallmouth bass	1	0	343	535			C
405001	5/12/2005	1	E-Boat	2.5	smallmouth bass	1	0	326	405			C
405001	5/12/2005	1	E-Boat	2.5	smallmouth bass	1	0	337	460			C
405001	5/12/2005	1	E-Boat	2.5	smallmouth bass	1	0	312	390			C
405001	5/12/2005	1	E-Boat	2.5	smallmouth bass	1	0	436	1130			C
405001	5/12/2005	1	E-Boat	2.5	smallmouth bass	1	0	410	1040			C
405001	5/12/2005	1	E-Boat	2.5	smallmouth bass	1	0	444	1230			C
405001	5/12/2005	1	E-Boat	2.5	smallmouth bass	1	0	440	1240			C
405001	5/12/2005	1	E-Boat	2.5	walleye	1	0	376	400			C
405001	5/12/2005	1	E-Boat	2.5	walleye	1	0	460	720			C
405001	5/12/2005	1	E-Boat	2.5	walleye	1	0	491	1170			C
405001	5/12/2005	1	E-Boat	2.5	yellow perch	1	0	217	120			C
405001	5/12/2005	1	E-Boat	2.5	yellow perch	1	0	256	190			C
405001	5/12/2005	1	E-Boat	2.5	yellow perch	1	0	242	150			C
405001	5/12/2005	1	E-Boat	2.5	yellow perch	1	0	233	120			C
405001	5/12/2005	1	E-Boat	2.5	yellow perch	1	0	276	270			C
405001	5/12/2005	1	E-Boat	2.5	yellow perch	1	0	239	140			C
405001	5/12/2005	1	E-Boat	2.5	yellow perch	1	0	276	270			C
405001	5/12/2005	1	E-Boat	2.5	yellow perch	1	0	265	305			C
405001	5/12/2005	1	E-Boat	2.5	yellow perch	1	0	281	250			C
405001	5/12/2005	1	E-Boat	2.5	yellow perch	1	0	246	200			C
405001	5/12/2005	1	E-Boat	2.5	common carp	1	I	681	4200			C
405001	5/12/2005	1	E-Boat	2.5	common carp	1	I	621	3080			C
405001	5/12/2005	1	E-Boat	2.5	common carp	1	I	705	4080			C
405001	5/12/2005	1	E-Boat	2.5	common carp	1	I	678	3850			C
405001	5/12/2005	1	E-Boat	2.5	common carp	1	I	719	4970			C
405001	5/13/2005	2	E-Boat	1.69	smallmouth bass	1	0	421	1160			C
405001	5/13/2005	2	E-Boat	1.69	smallmouth bass	1	0	430	990			C
405001	5/13/2005	2	E-Boat	1.69	smallmouth bass	1	0	388	860			C
405001	5/13/2005	2	E-Boat	1.69	smallmouth bass	1	0	401	950			C
405001	5/13/2005	2	E-Boat	1.69	smallmouth bass	1	0	306	440			C
405001	5/13/2005	2	E-Boat	1.69	smallmouth bass	1	0	371	680			C
405001	5/13/2005	2	E-Boat	1.69	smallmouth bass	1	0	340	530			C
405001	5/12/2005	1	E-Boat	2.5	shorthead redhorse	100	0			152	508	O
405001	5/12/2005	1	E-Boat	2.5	white sucker	35	0			178	457	O
405001	5/12/2005	1	E-Boat	2.5	northern hog sucker	3	0			229	279	O
405001	5/12/2005	1	E-Boat	2.5	emerald shiner	40	0			51	102	O
405001	5/12/2005	1	E-Boat	2.5	fallfish	20	0			127	330	O
405001	5/12/2005	1	E-Boat	2.5	common carp	20	I			533	725	O
405001	5/12/2005	1	E-Boat	2.5	yellow perch	50	0			178	285	O
405001	5/12/2005	1	E-Boat	2.5	walleye	4	0			432	483	O

NYSDEC Surveys												
DEC Survey #	Date	Site	Gear	Effort (Hours)	Species	# of Fish	NY Status	TL (mm)	Weight (g)	TL Min	TL Max	O/C
405001	5/12/2005	1	E-Boat	2.5	smallmouth bass	50	0			102	457	O
405001	5/12/2005	1	E-Boat	2.5	logperch	1	0			114		O
405001	5/13/2005	2	E-Boat	1.69	smallmouth bass	1	0	406	730			C
405001	5/13/2005	2	E-Boat	1.69	smallmouth bass	1	0	333	480			C
405001	5/13/2005	2	E-Boat	1.69	smallmouth bass	1	0	366	660			C
405001	5/13/2005	2	E-Boat	1.69	walleye	1	0	461	980			C
405001	5/13/2005	2	E-Boat	1.69	walleye	1	0	408	690			C
405001	5/13/2005	2	E-Boat	1.69	walleye	1	0	451	890			C
405001	5/13/2005	2	E-Boat	1.69	walleye	1	0	425	760			C
405001	5/13/2005	2	E-Boat	1.69	walleye	1	0	430	780			C
405001	5/13/2005	2	E-Boat	1.69	walleye	1	0	468	980			C
405001	5/13/2005	2	E-Boat	1.69	walleye	1	0	460	960			C
405001	5/13/2005	2	E-Boat	1.69	walleye	1	0	465	970			C
405001	5/13/2005	2	E-Boat	1.69	walleye	1	0	491	1100			C
405001	5/13/2005	2	E-Boat	1.69	walleye	1	0	570	1560			C
405001	5/13/2005	2	E-Boat	1.69	yellow perch	1	0	273	240			C
405001	5/13/2005	2	E-Boat	1.69	yellow perch	1	0	217	105			C
405001	5/13/2005	2	E-Boat	1.69	yellow perch	1	0	187	70			C
405001	5/13/2005	2	E-Boat	1.69	yellow perch	1	0	234	160			C
405001	5/13/2005	2	E-Boat	1.69	yellow perch	1	0	211	120			C
405001	5/13/2005	2	E-Boat	1.69	yellow perch	1	0	198	80			C
405001	5/13/2005	2	E-Boat	1.69	yellow perch	1	0	213	90			C
405001	5/13/2005	2	E-Boat	1.69	yellow perch	1	0	211	95			C
405001	5/13/2005	2	E-Boat	1.69	yellow perch	1	0	204	95			C
405001	5/13/2005	2	E-Boat	1.69	yellow perch	1	0	183	65			C
405001	5/13/2005	2	E-Boat	1.69	largemouth bass	1	0	299	350			C
405001	5/13/2005	2	E-Boat	1.69	largemouth bass	1	0	318	435			C
405001	5/13/2005	2	E-Boat	1.69	largemouth bass	1	0	355	600			C
405001	5/13/2005	2	E-Boat	1.69	largemouth bass	1	0	307	450			C
405001	5/13/2005	2	E-Boat	1.69	white perch	1	0	253	260			C
405001	5/13/2005	2	E-Boat	1.69	white perch	1	0	225	160			C
405001	5/13/2005	2	E-Boat	1.69	rock bass	1	0	180	130			C
405001	5/13/2005	2	E-Boat	1.69	rock bass	1	0	172	115			C
405001	5/13/2005	2	E-Boat	1.69	rock bass	1	0	172	115			C
405001	5/13/2005	2	E-Boat	1.69	common carp	1	I	611	2800			C
405001	5/13/2005	2	E-Boat	1.69	common carp	1	I	647	3380			C
405001	5/13/2005	2	E-Boat	1.69	common carp	1	I	608	3060			C
405001	5/13/2005	2	E-Boat	1.69	common carp	1	I	621	3080			C
405001	5/13/2005	2	E-Boat	1.69	common carp	1	I	607	2750			C
405001	5/13/2005	2	E-Boat	1.69	walleye	1	0	634				C
405001	5/13/2005	2	E-Boat	1.69	walleye	1	0	576				C
405001	5/13/2005	2	E-Boat	1.69	northern pike	1	0	832				C
405001	5/13/2005	2	E-Boat	1.69	freshwater drum	1	0	623	2920			C

NYSDEC Surveys												
DEC Survey #	Date	Site	Gear	Effort (Hours)	Species	# of Fish	NY Status	TL (mm)	Weight (g)	TL Min	TL Max	O/C
405001	5/13/2005	2	E-Boat	1.69	walleye	25	0			432	711	O
405001	5/13/2005	2	E-Boat	1.69	yellow perch	60	0			64	273	O
405001	5/13/2005	2	E-Boat	1.69	freshwater drum	50	0			356	630	O
405001	5/13/2005	2	E-Boat	1.69	brown bullhead	25	0			254	330	O
405001	5/13/2005	2	E-Boat	1.69	pumpkinseed	10	0			76	127	O
405001	5/13/2005	2	E-Boat	1.69	common carp	70	I			558	787	O
405001	5/13/2005	2	E-Boat	1.69	white sucker	20	0			381	457	O
405001	5/13/2005	2	E-Boat	1.69	shorthead redhorse	200	0			229	457	O
405001	5/13/2005	2	E-Boat	1.69	rock bass	15	0			51	102	O
405001	5/13/2005	2	E-Boat	1.69	spottail shiner	125	0			64	114	O
405001	5/13/2005	2	E-Boat	1.69	emerald shiner	30	0			51	89	O
405001	5/13/2005	2	E-Boat	1.69	smallmouth bass	50	0			89	431	O
405001	5/13/2005	2	E-Boat	1.69	blueback herring	2	0			229	254	O
405001	5/13/2005	2	E-Boat	1.69	fallfish	5	0			152	178	O
406004	6/1/2006	1	E-Boat	1.82	white perch	1	0	265	250			C
406004	6/1/2006	1	E-Boat	1.82	white perch	1	0	260	230			C
406004	6/1/2006	1	E-Boat	1.82	northern pike	1	0	1100				C
406004	6/1/2006	1	E-Boat	1.82	white perch	1	0	246	200			C
406004	6/1/2006	1	E-Boat	1.82	white perch	1	0	258	250			C
406004	6/1/2006	1	E-Boat	1.82	white perch	1	0	236	160			C
406004	6/1/2006	1	E-Boat	1.82	white perch	1	0	263	230			C
406004	6/1/2006	1	E-Boat	1.82	white perch	1	0	237	170			C
406004	6/1/2006	1	E-Boat	1.82	white perch	1	0	266	250			C
406004	6/1/2006	1	E-Boat	1.82	white perch	1	0	270	260			C
406004	6/1/2006	1	E-Boat	1.82	blueback herring	34	0			203	274	C
406004	6/1/2006	1	E-Boat	1.82	common carp	30	I			508	762	O
406004	6/1/2006	1	E-Boat	1.82	white sucker	25	0			152	432	O
406004	6/1/2006	1	E-Boat	1.82	shorthead redhorse	60	0			330	432	O
406004	6/1/2006	1	E-Boat	1.82	brown bullhead	2	0			254	279	O
406004	6/1/2006	1	E-Boat	1.82	yellow perch	2	0			229	254	O
406004	6/1/2006	1	E-Boat	1.82	smallmouth bass	40	0			152	432	O
406004	6/1/2006	1	E-Boat	1.82	logperch	6	0			76	102	O
406004	6/1/2006	1	E-Boat	1.82	emerald shiner	25	0			64	89	O
406004	6/1/2006	1	E-Boat	1.82	spottail shiner	25	0			64	89	O
406004	6/1/2006	1	E-Boat	1.82	walleye	100	0			279	660	O
406004	6/1/2006	1	E-Boat	1.82	freshwater drum	75	0			305	635	O
406004	6/1/2006	1	E-Boat	1.82	fallfish	12	0			152	305	O
406004	6/1/2006	1	E-Boat	1.82	gizzard shad	1	0			331		O
406004	6/1/2006	1	E-Boat	1.82	northern hog sucker	1	0			152		O
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	367				C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	416				C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	323				C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	406				C

NYSDEC Surveys												
DEC Survey #	Date	Site	Gear	Effort (Hours)	Species	# of Fish	NY Status	TL (mm)	Weight (g)	TL Min	TL Max	O/C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	313				C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	287				C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	357				C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	429				C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	347				C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	353				C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	383				C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	320				C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	329				C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	380				C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	386				C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	362				C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	346				C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	378				C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	363				C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	396				C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	386				C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	400				C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	323				C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	359				C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	302				C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	340				C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	347				C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	366				C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	353				C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	392				C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	423				C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	396				C
407005	5/30/2007	1	E-Boat	2.5	walleye	1	0	372				C
407005	5/30/2007	1	E-Boat	2.5	smallmouth bass	1	0	446				C
407005	5/30/2007	1	E-Boat	2.5	smallmouth bass	1	0	344				C
407005	5/30/2007	1	E-Boat	2.5	smallmouth bass	1	0	433				C
407005	5/30/2007	1	E-Boat	2.5	smallmouth bass	1	0	337				C
407005	5/30/2007	1	E-Boat	2.5	smallmouth bass	1	0	398				C
407005	5/30/2007	1	E-Boat	2.5	smallmouth bass	1	0	425				C
407005	5/30/2007	1	E-Boat	2.5	smallmouth bass	1	0	400				C
407005	5/30/2007	1	E-Boat	2.5	smallmouth bass	1	0	436				C
407005	5/30/2007	1	E-Boat	2.5	smallmouth bass	1	0	458				C
407005	5/30/2007	1	E-Boat	2.5	smallmouth bass	1	0	395				C
407005	5/30/2007	1	E-Boat	2.5	smallmouth bass	1	0	346				C
407005	5/30/2007	1	E-Boat	2.5	smallmouth bass	1	0	362				C
407005	5/30/2007	1	E-Boat	2.5	smallmouth bass	1	0	373				C
407005	5/30/2007	1	E-Boat	2.5	smallmouth bass	1	0	323				C

NYSDEC Surveys												
DEC Survey #	Date	Site	Gear	Effort (Hours)	Species	# of Fish	NY Status	TL (mm)	Weight (g)	TL Min	TL Max	O/C
407005	5/30/2007	1	E-Boat	2.5	largemouth bass	1	0	371				C
407005	5/30/2007	1	E-Boat	2.5	smallmouth bass	1	0	360				C
407005	5/30/2007	1	E-Boat	2.5	smallmouth bass	1	0	367				C
407005	5/30/2007	1	E-Boat	2.5	spotfin shiner	23	0			66	101	C
407005	5/30/2007	1	E-Boat	2.5	freshwater drum	60	0			300	600	O
407005	5/30/2007	1	E-Boat	2.5	walleye	40	0			275	550	O
407005	5/30/2007	1	E-Boat	2.5	common carp	30	I			350	750	O
407005	5/30/2007	1	E-Boat	2.5	brown bullhead	20	0			250	350	O
407005	5/30/2007	1	E-Boat	2.5	northern pike	3	0			500	900	O
407005	5/30/2007	1	E-Boat	2.5	pumpkinseed	35	0			75	175	O
407005	5/30/2007	1	E-Boat	2.5	yellow perch	15	0			150	275	O
407005	5/30/2007	1	E-Boat	2.5	shorthead redhorse	40	0			300	500	O
407005	5/30/2007	1	E-Boat	2.5	white sucker	50	0			150	425	O
407005	5/30/2007	1	E-Boat	2.5	fallfish	3	0			150	300	O
407005	6/6/2007	2	Beach Seine (6'x75')	1.69	spottail shiner	67	0			30	75	C
408002	5/20/2008	1	E-Boat	0.79	rock bass	1	0	154				C
408002	5/20/2008	1	E-Boat	0.79	bluegill	1	0	166				C
408002	5/20/2008	1	E-Boat	0.79	freshwater drum	1	0	373	670			C
408002	5/20/2008	1	E-Boat	0.79	white sucker	1	0	366				C
408002	5/20/2008	1	E-Boat	0.79	shorthead redhorse	1	0	383				C
408002	5/20/2008	1	E-Boat	0.79	shorthead redhorse	1	0	416				C
408002	5/20/2008	1	E-Boat	0.79	brown bullhead	1	0	330	550			C
408002	5/20/2008	1	E-Boat	0.79	brown bullhead	1	0	361	560			C
408002	5/20/2008	1	E-Boat	0.79	smallmouth bass	1	0	267				C
408002	5/20/2008	1	E-Boat	0.79	smallmouth bass	1	0	351	730			C
408002	5/20/2008	1	E-Boat	0.79	smallmouth bass	1	0	481	1640			C
408002	5/20/2008	1	E-Boat	0.79	smallmouth bass	1	0	402	970			C
408002	5/20/2008	1	E-Boat	0.79	smallmouth bass	1	0	412	1160			C
408002	5/20/2008	1	E-Boat	0.79	smallmouth bass	1	0	364	760			C
408002	5/20/2008	1	E-Boat	0.79	smallmouth bass	1	0	476	1580			C
408002	5/20/2008	1	E-Boat	0.79	largemouth bass	1	0	140				C
408002	5/20/2008	1	E-Boat	0.79	largemouth bass	1	0	150				C
408002	5/20/2008	1	E-Boat	0.79	largemouth bass	1	0	147				C
408002	5/20/2008	1	E-Boat	0.79	largemouth bass	1	0	157				C
408002	5/20/2008	1	E-Boat	0.79	largemouth bass	1	0	193				C
408002	5/20/2008	1	E-Boat	0.79	largemouth bass	1	0	166				C
408002	5/20/2008	1	E-Boat	0.79	largemouth bass	1	0	166				C
408002	5/20/2008	1	E-Boat	0.79	largemouth bass	1	0	303	440			C
408002	5/20/2008	1	E-Boat	0.79	largemouth bass	1	0	347	610			C
408002	5/20/2008	1	E-Boat	0.79	walleye	1	0	232	60			C
408002	5/20/2008	1	E-Boat	0.79	walleye	1	0	373	460			C
408002	5/20/2008	1	E-Boat	0.79	walleye	1	0	433	820			C

NYSDEC Surveys												
DEC Survey #	Date	Site	Gear	Effort (Hours)	Species	# of Fish	NY Status	TL (mm)	Weight (g)	TL Min	TL Max	O/C
408002	5/20/2008	1	E-Boat	0.79	walleye	1	0	419	640			C
408002	5/20/2008	1	E-Boat	0.79	walleye	1	0	401	660			C
408002	5/20/2008	1	E-Boat	0.79	walleye	1	0	496	1340			C
408002	5/20/2008	1	E-Boat	0.79	walleye	1	0	523	1240			C
408002	5/20/2008	1	E-Boat	0.79	walleye	1	0	600	1890			C
408002	5/20/2008	1	E-Boat	0.79	walleye	1	0	600	2150			C
408002	5/20/2008	1	E-Boat	0.79	spotfin shiner	100	0			70	110	C
408002	5/20/2008	1	E-Boat	0.79	spottail shiner	250	0			60	110	C
408002	5/20/2008	1	E-Boat	0.79	emerald shiner	25	0			55	75	C
408002	5/20/2008	1	E-Boat	0.79	trout-perch	13	0			70	90	C
408002	5/20/2008	1	E-Boat	0.79	rock bass	2	0			100	200	C
408002	5/20/2008	1	E-Boat	0.79	bluegill	12	0			80	140	C
408002	5/20/2008	1	E-Boat	0.79	freshwater drum	10	0			400	650	O
408002	5/20/2008	1	E-Boat	0.79	white sucker	10	0			300	450	O
408002	5/20/2008	1	E-Boat	0.79	shorthead redhorse	25	0			300	450	O
408002	5/20/2008	1	E-Boat	0.79	brown bullhead	20	0			250	375	O
408002	5/20/2008	1	E-Boat	0.79	smallmouth bass	15	0			90	130	C
408002	5/20/2008	1	E-Boat	0.79	largemouth bass	25	0			100	350	O
408002	5/20/2008	1	E-Boat	0.79	walleye	35	0			260	680	O
408002	5/20/2008	1	E-Boat	0.79	yellow perch	9	0			100	175	C
408002	5/20/2008	1	E-Boat	0.79	pumpkinseed	2	0			70	130	C
408002	5/20/2008	1	E-Boat	0.79	brook silverside	4	0			80	100	C
408007	6/30/2008	1	Visual Obs.	0.83	northern pike	7	0					O
418011	6/18-27/2018		Night E-boat	2.4	Brown Bullhead	49						C
418011	6/18-27/2018		Night E-boat	2.4	Rock Bas	95						C
418011	6/18-27/2018		Night E-boat	2.4	Pumpkinseed	129						C
418011	6/18-27/2018		Night E-boat	2.4	Bluegill	62						C
418011	6/18-27/2018		Night E-boat	2.4	Yellow Perch	41						C
418011	6/18-27/2018		Night E-boat	8.9	Largemouth Bass	27						C
418011	6/18-27/2018		Night E-boat	8.9	Smallmouth Bass	198						C
418011	6/18-27/2018		Night E-boat	8.9	Walleye	130						C
418011	6/18-27/2018		Night E-boat		American Eel	1						C
418012	6/18-27/2019		Night E-boat		Adult Blueback Herring	5						C
418013	6/18-27/2020		Night E-boat		Northern Pike	6						C
418014	6/18-27/2021		Night E-boat		Chain Pickerel	3						C
418015	6/18-27/2022		Night E-boat		Channel Catfish	12						C
418016	6/18-27/2023		Night E-boat		Black Crappie	3						C
418017	6/18-27/2024		Night E-boat		Juvenile Blueback Herr	N/A						O
418018	6/18-27/2025		Night E-boat		Spottail Shiner	N/A						O
418019	6/18-27/2026		Night E-boat		Spotfin Shiner	N/A						O

School Street Impoundment

School Street Fisheries Surveys							
School St. Impoundment	Date	Site	Gear	Effort (Hours)	Species	# of Fish	NY Status
School St.	Jun-93	Imp.	Gill/hoop/Night E-boat		Bluegill	100	
School St.	Jun-93	Imp.	Gill/hoop/Night E-boat		Spottail Shiner	35	
School St.	Jun-93	Imp.	Gill/hoop/Night E-boat		Smallmouth Bass	32	
School St.	Jun-93	Imp.	Gill/hoop/Night E-boat		Largemouth Bass	7	
School St.	Jun-93	Imp.	Gill/hoop/Night E-boat		Yellow Perch	39	
School St.	Jun-93	Imp.	Gill/hoop/Night E-boat		Golden Shiner	13	
School St.	Jun-93	Imp.	Gill/hoop/Night E-boat		Rock Bass	12	
School St.	Jun-93	Imp.	Gill/hoop/Night E-boat		Black Crappie	5	
School St.	Jun-93	Imp.	Gill/hoop/Night E-boat		Common Carp	8	I
School St.	Jun-93	Imp.	Gill/hoop/Night E-boat		Blueback Herring	29	
School St.	Jun-93	Imp.	Gill/hoop/Night E-boat		Pumpkinseed	5	
School St.	Jun-93	Imp.	Gill/hoop/Night E-boat		White Sucker	7	
School St.	Jun-93	Imp.	Gill/hoop/Night E-boat		Brown Bullhead	7	
School St.	Jun-93	Imp.	Gill/hoop/Night E-boat		Walleye	1	
School St.	Jun-93	Imp.	Gill/hoop/Night E-boat		Longear Sunfish*	4	
School St.	Jun-93	Imp.	Gill/hoop/Night E-boat		Bluntnose Minnow	1	
School St.	Aug-93	Imp.	Gill/hoop/Night E-boat		Bluegill	18	
School St.	Aug-93	Imp.	Gill/hoop/Night E-boat		Spottail Shiner	7	
School St.	Aug-93	Imp.	Gill/hoop/Night E-boat		Smallmouth Bass	101	
School St.	Aug-93	Imp.	Gill/hoop/Night E-boat		Largemouth Bass	19	
School St.	Aug-93	Imp.	Gill/hoop/Night E-boat		Yellow Perch	5	
School St.	Aug-93	Imp.	Gill/hoop/Night E-boat		Golden Shiner	7	
School St.	Aug-93	Imp.	Gill/hoop/Night E-boat		Rock Bass	16	
School St.	Aug-93	Imp.	Gill/hoop/Night E-boat		Common Carp	18	I
School St.	Aug-93	Imp.	Gill/hoop/Night E-boat		Blueback Herring	29	
School St.	Aug-93	Imp.	Gill/hoop/Night E-boat		White Sucker	4	
School St.	Aug-93	Imp.	Gill/hoop/Night E-boat		Brown Bullhead	1	
School St.	Aug-93	Imp.	Gill/hoop/Night E-boat		Gizzard Shad	2	
School St.	Aug-93	Imp.	Gill/hoop/Night E-boat		Logperch	8	
School St.	Aug-93	Imp.	Gill/hoop/Night E-boat		Shorthead Redhorse	2	
School St.	Aug-93	Imp.	Gill/hoop/Night E-boat		Tiger Muskellunge	1	Hybrid
School St.	Aug-93	Imp.	Gill/hoop/Night E-boat		Walleye	2	
School St.	Aug-93	Imp.	Gill/hoop/Night E-boat		American Eel	1	
School St.	Aug-93	Imp.	Gill/hoop/Night E-boat		Mirror Carp	1	I
School St.	Aug-93	Imp.	Gill/hoop/Night E-boat		Common Shiner	1	
School St.	Sep-93	Imp.	Gill/hoop/Night E-boat		Bluegill	417	
School St.	Sep-93	Imp.	Gill/hoop/Night E-boat		Spottail Shiner	36	
School St.	Sep-93	Imp.	Gill/hoop/Night E-boat		Smallmouth Bass	86	
School St.	Sep-93	Imp.	Gill/hoop/Night E-boat		Largemouth Bass	124	
School St.	Sep-93	Imp.	Gill/hoop/Night E-boat		Yellow Perch	56	
School St.	Sep-93	Imp.	Gill/hoop/Night E-boat		Golden Shiner	34	
School St.	Sep-93	Imp.	Gill/hoop/Night E-boat		Rock Bass	23	
School St.	Sep-93	Imp.	Gill/hoop/Night E-boat		Black Crappie	45	
School St.	Sep-93	Imp.	Gill/hoop/Night E-boat		Common Carp	19	I

School Street Fisheries Surveys							
School St. Impoundment	Date	Site	Gear	Effort (Hours)	Species	# of Fish	NY Status
School St.	Sep-93	Imp.	Gill/hoop/Night E-boat		Blueback Herring	8	
School St.	Sep-93	Imp.	Gill/hoop/Night E-boat		Pumpkinseed	18	
School St.	Sep-93	Imp.	Gill/hoop/Night E-boat		Brook Silversides	18	
School St.	Sep-93	Imp.	Gill/hoop/Night E-boat		Brown Bullhead	2	
School St.	Sep-93	Imp.	Gill/hoop/Night E-boat		Gizzard Shad	7	
School St.	Sep-93	Imp.	Gill/hoop/Night E-boat		Logperch	1	
School St.	Sep-93	Imp.	Gill/hoop/Night E-boat		Tessellated Darter	1	
School St.	Sep-93	Imp.	Gill/hoop/Night E-boat		Tiger Muskellunge	4	Hybrid
School St.	Sep-93	Imp.	Gill/hoop/Night E-boat		Walleye	2	
School St.	Sep-93	Imp.	Gill/hoop/Night E-boat		White Crappie	8	
School St.	Sep-93	Imp.	Gill/hoop/Night E-boat		Yellow Bullhead	1	
School St.	Sep-93	Imp.	Gill/hoop/Night E-boat		Fallfish	6	
School St.	Sep-93	Imp.	Gill/hoop/Night E-boat		American Eel	2	
School St.	Sep-93	Imp.	Gill/hoop/Night E-boat		Bluntnose Minnow	2	
School St.	Sep-93	Imp.	Gill/hoop/Night E-boat		Spotfin Shiner	1	
School St.	Sep-93	Imp.	Gill/hoop/Night E-boat		Mirror Carp	1	I
School St.	Sep-93	Imp.	Gill/hoop/Night E-boat		Freshwater Drum	1	
School St.	Sep-93	Imp.	Gill/hoop/Night E-boat		Northern Pike	1	
School St.	Oct-93	Imp.	Gill/hoop/Night E-boat		Bluegill	442	
School St.	Oct-93	Imp.	Gill/hoop/Night E-boat		Spottail Shiner	11	
School St.	Oct-93	Imp.	Gill/hoop/Night E-boat		Smallmouth Bass	112	
School St.	Oct-93	Imp.	Gill/hoop/Night E-boat		Largemouth Bass	139	
School St.	Oct-93	Imp.	Gill/hoop/Night E-boat		Yellow Perch	61	
School St.	Oct-93	Imp.	Gill/hoop/Night E-boat		Golden Shiner	53	
School St.	Oct-93	Imp.	Gill/hoop/Night E-boat		Rock Bass	37	
School St.	Oct-93	Imp.	Gill/hoop/Night E-boat		Black Crappie	35	
School St.	Oct-93	Imp.	Gill/hoop/Night E-boat		Common Carp	3	I
School St.	Oct-93	Imp.	Gill/hoop/Night E-boat		Blueback Herring	11	
School St.	Oct-93	Imp.	Gill/hoop/Night E-boat		Pumpkinseed	14	
School St.	Oct-93	Imp.	Gill/hoop/Night E-boat		Brook Silversides	17	
School St.	Oct-93	Imp.	Gill/hoop/Night E-boat		White Sucker	5	
School St.	Oct-93	Imp.	Gill/hoop/Night E-boat		Brown Bullhead	2	
School St.	Oct-93	Imp.	Gill/hoop/Night E-boat		Gizzard Shad	4	
School St.	Oct-93	Imp.	Gill/hoop/Night E-boat		Logperch	4	
School St.	Oct-93	Imp.	Gill/hoop/Night E-boat		Shorthead Redhorse	6	
School St.	Oct-93	Imp.	Gill/hoop/Night E-boat		Tessellated Darter	2	
School St.	Oct-93	Imp.	Gill/hoop/Night E-boat		Tiger Muskellunge	1	Hybrid
School St.	Oct-93	Imp.	Gill/hoop/Night E-boat		Walleye	2	
School St.	Oct-93	Imp.	Gill/hoop/Night E-boat		Yellow Bullhead	1	
School St.	Oct-93	Imp.	Gill/hoop/Night E-boat		American Eel	2	
School St.	Oct-93	Imp.	Gill/hoop/Night E-boat		Spotfin Shiner	1	
School St.	Oct-93	Imp.	Gill/hoop/Night E-boat		Striped Bass	1	
School St.	Nov-93	Imp.	Gill/hoop/Night E-boat		Bluegill	205	
School St.	Nov-93	Imp.	Gill/hoop/Night E-boat		Spottail Shiner	436	

School Street Fisheries Surveys							
School St. Impoundment	Date	Site	Gear	Effort (Hours)	Species	# of Fish	NY Status
School St.	Nov-93	Imp.	Gill/hoop/Night E-boat		Smallmouth Bass	45	
School St.	Nov-93	Imp.	Gill/hoop/Night E-boat		Largemouth Bass	111	
School St.	Nov-93	Imp.	Gill/hoop/Night E-boat		Yellow Perch	39	
School St.	Nov-93	Imp.	Gill/hoop/Night E-boat		Golden Shiner	145	
School St.	Nov-93	Imp.	Gill/hoop/Night E-boat		Rock Bass	35	
School St.	Nov-93	Imp.	Gill/hoop/Night E-boat		Black Crappie	30	
School St.	Nov-93	Imp.	Gill/hoop/Night E-boat		Common Carp	16	I
School St.	Nov-93	Imp.	Gill/hoop/Night E-boat		Pumpkinseed	6	
School St.	Nov-93	Imp.	Gill/hoop/Night E-boat		Brook Silversides	12	
School St.	Nov-93	Imp.	Gill/hoop/Night E-boat		White Sucker	13	
School St.	Nov-93	Imp.	Gill/hoop/Night E-boat		Brown Bullhead	5	
School St.	Nov-93	Imp.	Gill/hoop/Night E-boat		Gizzard Shad	1	
School St.	Nov-93	Imp.	Gill/hoop/Night E-boat		Logperch	1	
School St.	Nov-93	Imp.	Gill/hoop/Night E-boat		Tessellated Darter	8	
School St.	Nov-93	Imp.	Gill/hoop/Night E-boat		Tiger Muskellunge	3	Hybrid
School St.	Nov-93	Imp.	Gill/hoop/Night E-boat		Walleye	1	
School St.	Nov-93	Imp.	Gill/hoop/Night E-boat		Yellow Bullhead	6	
School St.	Nov-93	Imp.	Gill/hoop/Night E-boat		Spotfin Shiner	1	
School St.	Nov-93	Imp.	Gill/hoop/Night E-boat		Banded Killifish	1	
School St.	May-94	Imp.	Gill/hoop/Night E-boat		Bluegill	2	
School St.	May-94	Imp.	Gill/hoop/Night E-boat		Spottail Shiner	224	
School St.	May-94	Imp.	Gill/hoop/Night E-boat		Smallmouth Bass	72	
School St.	May-94	Imp.	Gill/hoop/Night E-boat		Largemouth Bass	4	
School St.	May-94	Imp.	Gill/hoop/Night E-boat		Yellow Perch	126	
School St.	May-94	Imp.	Gill/hoop/Night E-boat		Golden Shiner	7	
School St.	May-94	Imp.	Gill/hoop/Night E-boat		Rock Bass	43	
School St.	May-94	Imp.	Gill/hoop/Night E-boat		Black Crappie	1	
School St.	May-94	Imp.	Gill/hoop/Night E-boat		Common Carp	22	I
School St.	May-94	Imp.	Gill/hoop/Night E-boat		Pumpkinseed	20	
School St.	May-94	Imp.	Gill/hoop/Night E-boat		White Sucker	7	
School St.	May-94	Imp.	Gill/hoop/Night E-boat		Brown Bullhead	2	
School St.	May-94	Imp.	Gill/hoop/Night E-boat		Shorthead Redhorse	4	
School St.	May-94	Imp.	Gill/hoop/Night E-boat		Tiger Muskellunge	2	Hybrid
School St.	May-94	Imp.	Gill/hoop/Night E-boat		Walleye	1	
School St.	May-94	Imp.	Gill/hoop/Night E-boat		White Crappie	1	
School St.	May-94	Imp.	Gill/hoop/Night E-boat		Cyprinidae	3	
School St.	May-94	Imp.	Gill/hoop/Night E-boat		Rainbow Trout	1	I

Adult Blueback Herring Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	1		Undetermined	4	Mohawk River	24	1	122	11.5		4	3	6/7/2000	6/7/2000	60	3	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	33		Male	4	Mohawk River	20	1	146	103.2	96.8	2	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	183	100814	Female	4	Mohawk River	16	1	190			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	368	104571	Male	4	Mohawk River	20	1	198			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	10	111560	Male	4	Mohawk River	20	1	200			2	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	9
Blueback Herring	8	104939	Male	4	Mohawk River	20	1	201			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	19	111520	Male	4	Mohawk River	20	1	201			2	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	12	100378	Male	4	Mohawk River	20	1	202			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	407	104610	Male	4	Mohawk River	20	1	202			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	193	105364	Male	4	Mohawk River	20	1	203			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	35	111535	Male	4	Mohawk River	20	1	204			2	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	102	100966	Male	4	Mohawk River	20	1	205			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	117	100981	Male	4	Mohawk River	20	1	205			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	140	107867	Male	4	Mohawk River	20	1	205			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	378	110449	Male	4	Mohawk River	20	1	206			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	8		Female	4	Mohawk River	16	1	206			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	149	100785	Male	4	Mohawk River	20	1	207			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	16		Male	4	Mohawk River	20	1	208	72.6	65.7	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	106	111098	Male	4	Mohawk River	20	1	208			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	35	100678	Male	4	Mohawk River	20	1	210			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	237	100861	Male	4	Mohawk River	20	1	210			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	31	108077	Male	4	Mohawk River	20	1	210			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	32	111392	Male	4	Mohawk River	20	1	211			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	9	111559	Male	4	Mohawk River	20	1	211			2	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	9
Blueback Herring	4		Male	4	Mohawk River	20	1	211			2	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	7		Male	4	Mohawk River	20	1	211			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	139		Male	4	Mohawk River	20	1	212	79.8	75.2	2	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	26	101119	Male	4	Mohawk River	20	1	212			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	45	101138	Male	4	Mohawk River	20	1	212			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	23	106562	Male	4	Mohawk River	20	1	212			2	9	6/4/1999	6/4/1999	15			Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	2	110002	Male	4	Mohawk River	20	1	212			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	9		Male	4	Mohawk River	20	1	212	68.2	64.3	2	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	344	106276	Male	4	Mohawk River	20	1	213			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	163	105850	Male	4	Mohawk River	20	1	213			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	179	107550	Male	4	Mohawk River	20	1	213			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	65		Male	4	Mohawk River	20	1	213	75.8	68.2	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	39	110702	Male	4	Mohawk River	20	1	213			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	40		Male	4	Mohawk River	20	1	213			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	13		Male	4	Mohawk River	20	1	213			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	49	100923	Male	4	Mohawk River	20	1	214			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	15	104075	Male	4	Mohawk River	20	1	214			2	1	5/18/1999	5/18/1999	20	0.333333333	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	12		Male	4	Mohawk River	20	1	214	70.9	65.8	3	3	6/16/1999	6/16/1999	60	1	Hours	Angling	44	Schoharie Region	3	44	3	
Blueback Herring	74	105548	Male	4	Mohawk River	20	1	214			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	138	107510	Male	4	Mohawk River	20	1	214			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	17		Male	4	Mohawk River	20	1	214	78	76.8	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	166	110872	Male	4	Mohawk River	20	1	214			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	210	111198	Male	4	Mohawk River	20	1	214			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	180	109038	Male	4	Mohawk River	20	1	215			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	46	101139	Male	4	Mohawk River	20	1	215			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	241	104444	Male	4	Mohawk River	20	1	215			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	365	106297	Male	4	Mohawk River	20	1	215			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	369	106301	Male	4	Mohawk River	20	1	215			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	1		Male	4	Mohawk River	20	1	215			2	6	6/17/1999	6/17/1999	90	1.5	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	12		Male	4	Mohawk River	20	1	215	70.6	66.3	2	3	6/17/1999	6/17/1999	90	1.5	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	73	107165	Male	4	Mohawk River	20	1	215			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	325	110397	Male	4	Mohawk River	20	1	215			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	39	110976	Undetermined	4	Mohawk River	24	1	215			4	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	106	110591	Male	4	Mohawk River	20	1	215			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	48	111044	Male	4	Mohawk River	20	1	215			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	29	110694	Male	4	Mohawk River	20	1	215			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	25	110745	Male	4	Mohawk River	20	1	215			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	5		Male	4	Mohawk River	20	1	215	70.6	67.7	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	14	118408	Male	4	Mohawk River	20	1	215			2	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	85		Male	4	Mohawk River	20	1	215			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	7		Male	4	Mohawk River	20	1	215			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	118	100756	Male	4	Mohawk River	20	1	216			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	45		Male	4	Mohawk River	20	1	216	85.9	78.5	2	3	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	319	104522	Male	4	Mohawk River	20	1	216			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	55	104883	Male	4	Mohawk River	20	1	216			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	11	104942	Male	4	Mohawk River	20	1	216			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	372	106304	Male	4	Mohawk River	20	1	216			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	16	106605	Male	4	Mohawk River	20	1	216			2	1	6/9/1999	6/9/1999	63	1.05	Hours	Angling	44	Schoharie Region	2	52	3	1
Blueback Herring	7	106614	Undetermined	4	Mohawk River	24	1	216			4	1	6/10/1999	6/10/1999	75	1.25	Hours	Angling	43	Amsterdam Region	3	28	3	7
Blueback Herring	262	107632	Male	4	Mohawk River	20	1	216			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9

															Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	74	107073	Male	4	Mohawk River	20	1	216			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	114	107262	Male	4	Mohawk River	20	1	216			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	3	110003	Male	4	Mohawk River	20	1	216			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	1	110721	Male	4	Mohawk River	20	1	216			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	12	111339	Male	4	Mohawk River	20	1	216			2	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	86		Male	4	Mohawk River	20	1	216			2	6	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	75		Male	4	Mohawk River	20	1	216	88.9	80.3	2	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	66	100432	Male	4	Mohawk River	20	1	217			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	107		Male	4	Mohawk River	20	1	217	91.8	83.6	2	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	142		Male	4	Mohawk River	20	1	217	85.5	78.2	2	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	26	104229	Male	4	Mohawk River	20	1	217			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	124	106055	Male	4	Mohawk River	20	1	217			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	1	106566	Male	4	Mohawk River	20	1	217			2	1	6/7/1999	6/7/1999	98	1.633333333	Hours	Angling	42	Schenectady Region	4	23	3	6
Blueback Herring	3	106568	Male	4	Mohawk River	20	1	217			2	1	6/7/1999	6/7/1999	98	1.633333333	Hours	Angling	42	Schenectady Region	4	23	3	6
Blueback Herring	23		Male	4	Mohawk River	20	1	217	67.6	64.6	2	3	6/16/1999	6/16/1999	210	3.5	Hours	Angling	43	Amsterdam Region	2	35	3	
Blueback Herring	35	105206	Male	4	Mohawk River	20	1	217			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	161	105634	Male	4	Mohawk River	20	1	217			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	92	107214	Male	4	Mohawk River	20	1	217			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	286	107435	Male	4	Mohawk River	20	1	217			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	96	107823	Male	4	Mohawk River	20	1	217			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	13	110950	Male	4	Mohawk River	20	1	217			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	43	110706	Male	4	Mohawk River	20	1	217			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	24	111350	Male	4	Mohawk River	20	1	217			2	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	17		Male	4	Mohawk River	20	1	217			2	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	16	120642	Male	4	Mohawk River	20	1	217			2	1	5/29/2001	5/29/2001	14	0.233333333	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	112		Male	4	Mohawk River	20	1	218	88.3	80	2	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	44	100510	Male	4	Mohawk River	20	1	218			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	8	101034	Male	4	Mohawk River	20	1	218			2	1	5/11/1999	5/11/1999	70	1.166666667	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	15	101041	Male	4	Mohawk River	20	1	218			2	1	5/11/1999	5/11/1999	70	1.166666667	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	43	101136	Female	4	Mohawk River	16	1	218			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	36	106491	Male	4	Mohawk River	20	1	218			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	20		Male	4	Mohawk River	20	1	218	82.2	76.3	2	3	6/17/1999	6/17/1999	90	1.5	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	85	105559	Male	4	Mohawk River	20	1	218			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	47	105734	Male	4	Mohawk River	20	1	218			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	136	107508	Male	4	Mohawk River	20	1	218			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	285	107655	Male	4	Mohawk River	20	1	218			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	358	110429	Male	4	Mohawk River	20	1	218			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	50	110050	Male	4	Mohawk River	20	1	218			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	226	110930	Male	4	Mohawk River	20	1	218			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	29	111027	Male	4	Mohawk River	20	1	218			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	123	111115	Male	4	Mohawk River	20	1	218			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	252	111237	Male	4	Mohawk River	20	1	218			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	8	108008	Male	4	Mohawk River	20	1	218			2	1	6/7/1999	6/7/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	4	108053	Male	4	Mohawk River	20	1	218			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	13	108060	Undetermined	4	Mohawk River	24	1	218			4	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	1	111364	Male	4	Mohawk River	20	1	218			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	13	111514	Male	4	Mohawk River	20	1	218			2	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	14		Male	4	Mohawk River	20	1	218			2	6	6/8/1999	6/8/1999				Angling	41	Waterford Region	2	1	3	9
Blueback Herring	20		Male	4	Mohawk River	20	1	218	72.3	65.3	2	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	9		Male	4	Mohawk River	20	1	218			2	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	4		Male	4	Mohawk River	20	1	218			2	6	6/17/1999	6/17/1999	45	0.75	Hours	Scap net/Lift net	44	Schoharie Region	3	61	3	
Blueback Herring	42		Male	4	Mohawk River	20	1	218	73.3	67.9	2	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	27		Male	4	Mohawk River	20	1	218			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	105		Male	4	Mohawk River	20	1	218			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	248	109102	Male	4	Mohawk River	20	1	219			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	50	101143	Male	4	Mohawk River	20	1	219			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	142	101352	Male	4	Mohawk River	20	1	219			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	2	104062	Male	4	Mohawk River	20	1	219			2	1	5/18/1999	5/18/1999	20	0.333333333	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	263	104466	Male	4	Mohawk River	20	1	219			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	310	104513	Male	4	Mohawk River	20	1	219			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	40	104868	Male	4	Mohawk River	20	1	219			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	198	106130	Male	4	Mohawk River	20	1	219			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	248	106180	Male	4	Mohawk River	20	1	219			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	331	106263	Male	4	Mohawk River	20	1	219			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	358	106290	Male	4	Mohawk River	20	1	219			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	25	106480	Male	4	Mohawk River	20	1	219			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	12		Male	4	Mohawk River	20	1	219			2	9	6/4/1999	6/4/1999	15			Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	126	105297	Female	4	Mohawk River	16	1	219			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	38	105725	Male	4	Mohawk River	20	1	219			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	8	106000	Male	4	Mohawk River	20	1	219			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	83	107082	Male	4	Mohawk River	20	1	219			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	432	107778	Male	4	Mohawk River	20	1	219			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	78	110786	Male	4	Mohawk River	20	1	219			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	98	110583	Male	4	Mohawk River	20	1	219			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9

															Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	15	111015	Male	4	Mohawk River	20	1	219			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	65		Undetermined	4	Mohawk River	24	1	219			3	6	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	59	111418	Male	4	Mohawk River	20	1	219			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	14		Male	4	Mohawk River	20	1	219			2	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	10		Male	4	Mohawk River	20	1	219	70.8	67.1	3	3	6/22/1999	6/22/1999	20	0.333333333	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	60	121324	Male	4	Mohawk River	20	1	219			2	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	8		Male	4	Mohawk River	20	1	219			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	121		Male	4	Mohawk River	20	1	220	86	81.8	2	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	131		Female	4	Mohawk River	16	1	220	86.2	77.1	2	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	45	100688	Male	4	Mohawk River	20	1	220			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	107	100745	Male	4	Mohawk River	20	1	220			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	179		Male	4	Mohawk River	20	1	220			2	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	195		Undetermined	4	Mohawk River	24	1	220			4	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	22	100898	Female	4	Mohawk River	16	1	220			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	26	100902	Undetermined	4	Mohawk River	24	1	220			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	78	100949	Male	4	Mohawk River	20	1	220			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	181		Male	4	Mohawk River	20	1	220			2	6	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	202	109058	Male	4	Mohawk River	20	1	220			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	33	109159	Male	4	Mohawk River	20	1	220			2	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	173	104376	Male	4	Mohawk River	20	1	220			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	387	104590	Male	4	Mohawk River	20	1	220			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	42		Male	4	Mohawk River	20	1	220	89.9	82.3	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	24	104637	Male	4	Mohawk River	20	1	220			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	48	104661	Male	4	Mohawk River	20	1	220			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	88	104701	Male	4	Mohawk River	20	1	220			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	18	104949	Male	4	Mohawk River	20	1	220			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	109	106011	Male	4	Mohawk River	20	1	220			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	134	106065	Male	4	Mohawk River	20	1	220			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	314	106246	Male	4	Mohawk River	20	1	220			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	44	106540	Male	4	Mohawk River	20	1	220			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	5	106594	Female	4	Mohawk River	16	1	220			1	1	6/9/1999	6/9/1999	63	1.05	Hours	Angling	44	Schoharie Region	2	52	3	1
Blueback Herring	10	106617	Undetermined	4	Mohawk River	24	1	220			4	1	6/10/1999	6/10/1999	75	1.25	Hours	Angling	43	Amsterdam Region	3	28	3	7
Blueback Herring	25		Male	4	Mohawk River	20	1	220	73.7	70.1	3	3	6/17/1999	6/17/1999	90	1.5	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	81	105252	Male	4	Mohawk River	20	1	220			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	146	105317	Male	4	Mohawk River	20	1	220			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	65	105539	Male	4	Mohawk River	20	1	220			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	108	105794	Male	4	Mohawk River	20	1	220			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	124	107246	Female	4	Mohawk River	16	1	220			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	174	107545	Male	4	Mohawk River	20	1	220			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	82	107081	Male	4	Mohawk River	20	1	220			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	84	107083	Male	4	Mohawk River	20	1	220			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	214	107363	Male	4	Mohawk River	20	1	220			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	435	107781	Male	4	Mohawk River	20	1	220			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	32		Male	4	Mohawk River	20	1	220	75.5	70.8	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	149	107876	Male	4	Mohawk River	20	1	220			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	267	107990	Male	4	Mohawk River	20	1	220			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	198	110198	Male	4	Mohawk River	20	1	220			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	213	110213	Male	4	Mohawk River	20	1	220			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	141	110847	Male	4	Mohawk River	20	1	220			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	204	110908	Male	4	Mohawk River	20	1	220			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	31	110968	Male	4	Mohawk River	20	1	220			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	60	110996	Male	4	Mohawk River	20	1	220			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	93		Male	4	Mohawk River	20	1	220			2	6	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	159	111148	Male	4	Mohawk River	20	1	220			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	183	111172	Male	4	Mohawk River	20	1	220			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	214	111201	Male	4	Mohawk River	20	1	220			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	255	111240	Male	4	Mohawk River	20	1	220			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	302	111287	Male	4	Mohawk River	20	1	220			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	21	108029	Male	4	Mohawk River	20	1	220			2	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	12		Male	4	Mohawk River	20	1	220			2	6	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	18	110683	Male	4	Mohawk River	20	1	220			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	28	110693	Female	4	Mohawk River	16	1	220			1	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	45	111324	Male	4	Mohawk River	20	1	220			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	50	111329	Male	4	Mohawk River	20	1	220			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	74	111431	Male	4	Mohawk River	20	1	220			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	23		Male	4	Mohawk River	20	1	220	89.2	77.1	2	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	38		Male	4	Mohawk River	20	1	220	73.9	68.7	2	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	10		Male	4	Mohawk River	20	1	220			2	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	2		Male	4	Mohawk River	20	1	220			2	6	6/17/1999	6/17/1999	22	0.366666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	8		Male	4	Mohawk River	20	1	220	72.2	67.4	2	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	6		Male	4	Mohawk River	20	1	220	70.6	67.8	2	3	6/30/1999	6/30/1999	110	1.833333333	Hours	Angling	44	Schoharie Region	5	64	3	9
Blueback Herring	2		Male	4	Mohawk River	20	1	220	80.6	77.5	2	3	7/1/1999	7/1/1999	200	3.333333333	Hours	Angling	44	Schoharie Region	5	64	3	9
Blueback Herring	44		Male	4	Mohawk River	20	1	220	85.5	82.6	2	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	307		Male	4	Mohawk River	20	1	220			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	87	100453	Male	4	Mohawk River	20	1	221			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	66	100622	Male	4	Mohawk River	20	1	221			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	109	100747	Male	4	Mohawk River	20	1	221			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	136	100773	Female	4	Mohawk River	16	1	221			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	254	100876	Male	4	Mohawk River	20	1	221			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	147	109005	Male	4	Mohawk River	20	1	221			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	76	101169	Male	4	Mohawk River	20	1	221			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	114	101324	Male	4	Mohawk River	20	1	221			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	158	101368	Male	4	Mohawk River	20	1	221			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	12		Male	4	Mohawk River	20	1	221			2	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	71	104274	Male	4	Mohawk River	20	1	221			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	227	104430	Male	4	Mohawk River	20	1	221			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	257	104460	Male	4	Mohawk River	20	1	221			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	40		Male	4	Mohawk River	20	1	221	90.1	82.6	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	40	104653	Male	4	Mohawk River	20	1	221			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	117	104730	Male	4	Mohawk River	20	1	221			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	37	104772	Male	4	Mohawk River	20	1	221			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	6	104824	Male	4	Mohawk River	20	1	221			2	1	5/27/1999	5/27/1999	82	1.366666667	Hours	Angling	42	Schenectady Region	4	23	3	
Blueback Herring	61	104992	Male	4	Mohawk River	20	1	221			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	65	104996	Male	4	Mohawk River	20	1	221			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	99	106021	Male	4	Mohawk River	20	1	221			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	146	106077	Male	4	Mohawk River	20	1	221			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	245	106177	Male	4	Mohawk River	20	1	221			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	317	106249	Male	4	Mohawk River	20	1	221			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	24	106479	Male	4	Mohawk River	20	1	221			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	26	106481	Male	4	Mohawk River	20	1	221			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	28	106524	Male	4	Mohawk River	20	1	221			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	7	106596	Male	4	Mohawk River	20	1	221			2	1	6/9/1999	6/9/1999	63	1.05	Hours	Angling	44	Schoharie Region	2	52	3	1
Blueback Herring	17	106625	Undetermined	4	Mohawk River	24	1	221			4	1	6/10/1999	6/10/1999	75	1.25	Hours	Angling	43	Amsterdam Region	3	28	3	7
Blueback Herring	113	105587	Male	4	Mohawk River	20	1	221			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	123	105597	Male	4	Mohawk River	20	1	221			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	158	105845	Male	4	Mohawk River	20	1	221			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	200	105887	Male	4	Mohawk River	20	1	221			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	35	107127	Male	4	Mohawk River	20	1	221			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	216	107587	Male	4	Mohawk River	20	1	221			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	257	107627	Male	4	Mohawk River	20	1	221			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	320	107469	Male	4	Mohawk River	20	1	221			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	338	107487	Male	4	Mohawk River	20	1	221			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	339	107488	Male	4	Mohawk River	20	1	221			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	371	107718	Male	4	Mohawk River	20	1	221			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	396	107743	Male	4	Mohawk River	20	1	221			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	403	107750	Male	4	Mohawk River	20	1	221			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	61		Male	4	Mohawk River	20	1	221	81	78.6	3	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	71	107800	Male	4	Mohawk River	20	1	221			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	123	107850	Male	4	Mohawk River	20	1	221			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	434	110504	Male	4	Mohawk River	20	1	221			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	54	110054	Male	4	Mohawk River	20	1	221			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	7	110316	Male	4	Mohawk River	20	1	221			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	167	110873	Male	4	Mohawk River	20	1	221			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	68	110554	Male	4	Mohawk River	20	1	221			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	178	111167	Male	4	Mohawk River	20	1	221			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	20	110685	Male	4	Mohawk River	20	1	221			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	10	111337	Male	4	Mohawk River	20	1	221			2	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	10	111373	Male	4	Mohawk River	20	1	221			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	58	111417	Male	4	Mohawk River	20	1	221			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	21		Male	4	Mohawk River	20	1	221	77.4	72	2	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	10		Male	4	Mohawk River	20	1	221			2	6	6/17/1999	6/17/1999	45	0.75	Hours	Scap net/Lift net	44	Schoharie Region	3	61	3	
Blueback Herring	2		Male	4	Mohawk River	20	1	221	73.4	69.9	2	3	6/22/1999	6/22/1999	20	0.333333333	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	79	116116	Male	4	Mohawk River	20	1	221			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	135		Male	4	Mohawk River	20	1	222	89	82.7	2	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	35	100591	Male	4	Mohawk River	20	1	222			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	144	100780	Female	4	Mohawk River	16	1	222			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	170	100804	Undetermined	4	Mohawk River	24	1	222			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	45		Undetermined	4	Mohawk River	24	1	222			4	6	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	108	100972	Male	4	Mohawk River	20	1	222			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	159	109017	Male	4	Mohawk River	20	1	222			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	197	109053	Male	4	Mohawk River	20	1	222			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	259	109112	Male	4	Mohawk River	20	1	222			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	9		Male	4	Mohawk River	20	1	222			2	6	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	14		Male	4	Mohawk River	20	1	222			2	6	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	31	101124	Male	4	Mohawk River	20	1	222			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	58	101151	Male	4	Mohawk River	20	1	222			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	77	101170	Male	4	Mohawk River	20	1	222			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	

															Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	24	101234	Male	4	Mohawk River	20	1	222			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	32	101242	Male	4	Mohawk River	20	1	222			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	103	101313	Male	4	Mohawk River	20	1	222			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	159	101369	Male	4	Mohawk River	20	1	222			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	73	104276	Female	4	Mohawk River	16	1	222			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	150	104353	Male	4	Mohawk River	20	1	222			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	35	104770	Male	4	Mohawk River	20	1	222			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	116	106004	Male	4	Mohawk River	20	1	222			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	140	106071	Male	4	Mohawk River	20	1	222			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	167	106098	Male	4	Mohawk River	20	1	222			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	214	106146	Female	4	Mohawk River	16	1	222			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	220	106152	Male	4	Mohawk River	20	1	222			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	268	106200	Male	4	Mohawk River	20	1	222			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	276	106208	Male	4	Mohawk River	20	1	222			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	292	106224	Male	4	Mohawk River	20	1	222			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	374	106306	Male	4	Mohawk River	20	1	222			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	452	106385	Male	4	Mohawk River	20	1	222			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	464	106397	Male	4	Mohawk River	20	1	222			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	27		Male	4	Mohawk River	20	1	222	74.3	71.1	3	3	6/17/1999	6/17/1999	90	1.5	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	1		Male	4	Mohawk River	20	1	222			2	6	6/17/1999	6/17/1999	60	1	Hours	Angling	45	Little Falls River	2	79	3	
Blueback Herring	219	105390	Male	4	Mohawk River	20	1	222			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	40	105514	Male	4	Mohawk River	20	1	222			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	34	105721	Male	4	Mohawk River	20	1	222			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	160	105847	Male	4	Mohawk River	20	1	222			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	192	105879	Male	4	Mohawk River	20	1	222			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	8	105977	Male	4	Mohawk River	20	1	222			2	1	5/28/1999	5/28/1999	30	0.5	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	44	107043	Male	4	Mohawk River	20	1	222			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	103	107252	Male	4	Mohawk River	20	1	222			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	253	107402	Male	4	Mohawk River	20	1	222			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	355	107702	Male	4	Mohawk River	20	1	222			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	30		Male	4	Mohawk River	20	1	222	85.3	77.1	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	35		Male	4	Mohawk River	20	1	222	84	78.5	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	380	110451	Male	4	Mohawk River	20	1	222			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	387	110458	Male	4	Mohawk River	20	1	222			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	415	110485	Male	4	Mohawk River	20	1	222			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	440	110510	Female	4	Mohawk River	16	1	222			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	468	110533	Male	4	Mohawk River	20	1	222			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	144	110144	Male	4	Mohawk River	20	1	222			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	168	110168	Female	4	Mohawk River	16	1	222			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	231	110231	Male	4	Mohawk River	20	1	222			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	252	110252	Male	4	Mohawk River	20	1	222			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	115	110822	Male	4	Mohawk River	20	1	222			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	132	110838	Male	4	Mohawk River	20	1	222			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	142	110848	Male	4	Mohawk River	20	1	222			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	224	110928	Male	4	Mohawk River	20	1	222			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	38	111035	Undetermined	4	Mohawk River	24	1	222			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	70	111065	Male	4	Mohawk River	20	1	222			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	240		Male	4	Mohawk River	20	1	222			2	6	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	20	108028	Male	4	Mohawk River	20	1	222			2	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	38	108082	Undetermined	4	Mohawk River	24	1	222			4	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	40	108084	Male	4	Mohawk River	20	1	222			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	19	110684	Male	4	Mohawk River	20	1	222			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	17	110737	Male	4	Mohawk River	20	1	222			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	2	111332	Male	4	Mohawk River	20	1	222			2	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	82	111439	Male	4	Mohawk River	20	1	222			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	25	111526	Male	4	Mohawk River	20	1	222			2	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	27		Male	4	Mohawk River	20	1	222			2	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	6		Male	4	Mohawk River	20	1	222			2	6	6/17/1999	6/17/1999	45	0.75	Hours	Scap net/Lift net	44	Schoharie Region	3	61	3	
Blueback Herring	1		Male	4	Mohawk River	20	1	222			2	6	6/17/1999	6/17/1999	22	0.366666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	45		Male	4	Mohawk River	20	1	222	82.4	79.4	2	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	66		Male	4	Mohawk River	20	1	222	89.5	81.4	2	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	20	100386	Male	4	Mohawk River	20	1	223			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	90	100456	Male	4	Mohawk River	20	1	223			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	147		Male	4	Mohawk River	20	1	223	91.5	85	2	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	14	100480	Male	4	Mohawk River	20	1	223			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	1	100557	Male	4	Mohawk River	20	1	223			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	57	100613	Male	4	Mohawk River	20	1	223			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	82	100637	Male	4	Mohawk River	20	1	223			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	33	100676	Male	4	Mohawk River	20	1	223			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	166	100801	Male	4	Mohawk River	20	1	223			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	249	100871	Male	4	Mohawk River	20	1	223			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	34	100910	Male	4	Mohawk River	20	1	223			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	54	100928	Male	4	Mohawk River	20	1	223			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	254		Male	4	Mohawk River	20	1	223			2	6	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	26	101236	Male	4	Mohawk River	20	1	223			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	71	101281	Male	4	Mohawk River	20	1	223			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	86	101296	Male	4	Mohawk River	20	1	223			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	21	104021	Male	4	Mohawk River	20	1	223			2	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	52		Male	4	Mohawk River	20	1	223	103.1	93.1	2	3	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	50	104182	Male	4	Mohawk River	20	1	223			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	43	104871	Female	4	Mohawk River	16	1	223			1	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	75	104904	Male	4	Mohawk River	20	1	223			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	401	106334	Male	4	Mohawk River	20	1	223			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	488	106421	Male	4	Mohawk River	20	1	223			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	13	106468	Male	4	Mohawk River	20	1	223			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	8	106573	Male	4	Mohawk River	20	1	223			2	1	6/7/1999	6/7/1999	98	1.633333333	Hours	Angling	42	Schenectady Region	4	23	3	6
Blueback Herring	27		Male	4	Mohawk River	20	1	223		71.1	2	3	6/10/1999	6/10/1999	75	1.25	Hours	Angling	43	Amsterdam Region	3	28	3	7
Blueback Herring	22		Male	4	Mohawk River	20	1	223	91.9	84	2	3	6/15/1999	6/15/1999				Angling	43	Amsterdam Region	2	28	3	
Blueback Herring	23		Male	4	Mohawk River	20	1	223	73.7	71.5	3	3	6/15/1999	6/15/1999				Angling	43	Amsterdam Region	2	28	3	
Blueback Herring	24		Male	4	Mohawk River	20	1	223	89.9	87.5	3	3	6/15/1999	6/15/1999				Angling	43	Amsterdam Region	2	28	3	
Blueback Herring	11	106646	Male	4	Mohawk River	20	1	223			2	9	6/16/1999	6/16/1999	210	3.5	Hours	Angling	43	Amsterdam Region	2	35	3	
Blueback Herring	21		Female	4	Mohawk River	16	1	223	80.4	72.4	1	3	6/16/1999	6/16/1999	210	3.5	Hours	Angling	43	Amsterdam Region	2	35	3	
Blueback Herring	14		Male	4	Mohawk River	20	1	223	76.4	72.7	3	3	6/16/1999	6/16/1999	60	1	Hours	Angling	44	Schoharie Region	3	44	3	
Blueback Herring	22		Male	4	Mohawk River	20	1	223	84.5	74.5	2	3	6/17/1999	6/17/1999	90	1.5	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	294	105465	Male	4	Mohawk River	20	1	223			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	103	105577	Male	4	Mohawk River	20	1	223			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	48		Male	4	Mohawk River	20	1	223			1	6	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	75	105761	Male	4	Mohawk River	20	1	223			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	117	105803	Male	4	Mohawk River	20	1	223			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	124	105810	Male	4	Mohawk River	20	1	223			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	79	107201	Male	4	Mohawk River	20	1	223			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	232	107603	Female	4	Mohawk River	16	1	223			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	242	107612	Male	4	Mohawk River	20	1	223			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	36	107035	Male	4	Mohawk River	20	1	223			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	50	107049	Male	4	Mohawk River	20	1	223			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	303	107452	Male	4	Mohawk River	20	1	223			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	366	107713	Male	4	Mohawk River	20	1	223			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	34		Male	4	Mohawk River	20	1	223	90.5	82.2	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	41		Male	4	Mohawk River	20	1	223	83	76.6	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	64		Male	4	Mohawk River	20	1	223	86.6	80.1	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	101	107828	Male	4	Mohawk River	20	1	223			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	324	110396	Male	4	Mohawk River	20	1	223			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	327	110399	Male	4	Mohawk River	20	1	223			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	108	110108	Male	4	Mohawk River	20	1	223			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	160	110160	Female	4	Mohawk River	16	1	223			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	161	110161	Male	4	Mohawk River	20	1	223			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	217	110217	Male	4	Mohawk River	20	1	223			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	279	110279	Male	4	Mohawk River	20	1	223			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	10	110319	Male	4	Mohawk River	20	1	223			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	197	110901	Female	4	Mohawk River	16	1	223			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	83	110568	Male	4	Mohawk River	20	1	223			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	25	111024	Male	4	Mohawk River	20	1	223			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	49	111045	Male	4	Mohawk River	20	1	223			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	58	111054	Male	4	Mohawk River	20	1	223			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	64	111060	Male	4	Mohawk River	20	1	223			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	314	111299	Male	4	Mohawk River	20	1	223			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	5	108005	Male	4	Mohawk River	20	1	223			2	1	6/7/1999	6/7/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	26		Male	4	Mohawk River	20	1	223			2	6	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	36	108043	Female	4	Mohawk River	16	1	223			1	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	57	110717	Male	4	Mohawk River	20	1	223			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	3	111333	Male	4	Mohawk River	20	1	223			2	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	81	111438	Male	4	Mohawk River	20	1	223			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	21		Male	4	Mohawk River	20	1	223	81.1	73.3	2	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	24		Female	4	Mohawk River	16	1	223	95	79.4	1	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	34		Female	4	Mohawk River	16	1	223			1	6	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	17		Male	4	Mohawk River	20	1	223	73.6	70.3	2	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	18		Male	4	Mohawk River	20	1	223			2	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	30		Male	4	Mohawk River	20	1	223			2	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	5		Male	4	Mohawk River	20	1	223	65.1	62.2	3	3	6/23/1999	6/23/1999	20	0.333333333	Hours	Angling	45	Little Falls River	5	70	3	
Blueback Herring	36		Male	4	Mohawk River	20	1	223	78.1	75.9	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	48		Male	4	Mohawk River	20	1	223			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	56	100422	Male	4	Mohawk River	20	1	224			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	115		Male	4	Mohawk River	20	1	224	91.3	80.9	2	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	116		Male	4	Mohawk River	20	1	224	86.1	82.3	3	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	146		Male	4	Mohawk River	20	1	224	92.1	81.6	2	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	45	100511	Male	4	Mohawk River	20	1	224			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	32	100588	Male	4	Mohawk River	20	1	224			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	13	100658	Male	4	Mohawk River	20	1	224			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	44	100687	Male	4	Mohawk River	20	1	224			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	66	100707	Male	4	Mohawk River	20	1	224			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	71	100710	Male	4	Mohawk River	20	1	224			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	124	100761	Male	4	Mohawk River	20	1	224			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	138	100775	Male	4	Mohawk River	20	1	224			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	215	100839	Male	4	Mohawk River	20	1	224			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	224	100848	Male	4	Mohawk River	20	1	224			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	12	100888	Male	4	Mohawk River	20	1	224			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	46	100920	Male	4	Mohawk River	20	1	224			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	67	100938	Male	4	Mohawk River	20	1	224			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	71	100942	Male	4	Mohawk River	20	1	224			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	88	100955	Male	4	Mohawk River	20	1	224			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	105	100969	Male	4	Mohawk River	20	1	224			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	234	109088	Male	4	Mohawk River	20	1	224			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	5	101073	Male	4	Mohawk River	20	1	224			2	1	5/12/1999	5/12/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	53	101263	Male	4	Mohawk River	20	1	224			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	57	101267	Male	4	Mohawk River	20	1	224			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	65	101275	Male	4	Mohawk River	20	1	224			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	149	101359	Male	4	Mohawk River	20	1	224			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	171	101381	Male	4	Mohawk River	20	1	224			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	6	104209	Male	4	Mohawk River	20	1	224			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	91	104294	Male	4	Mohawk River	20	1	224			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	119	104322	Male	4	Mohawk River	20	1	224			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	164	104367	Male	4	Mohawk River	20	1	224			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	175	104378	Male	4	Mohawk River	20	1	224			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	267	104470	Male	4	Mohawk River	20	1	224			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	384	104587	Male	4	Mohawk River	20	1	224			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	6		Male	4	Mohawk River	20	1	224	87.1	78	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	21	104799	Male	4	Mohawk River	20	1	224			2	1	5/26/1999	5/26/1999	100	1.666666667	Hours	Angling	43	Amsterdam Region	2	34	3	
Blueback Herring	26		Male	4	Mohawk River	20	1	224	83.8	79.4	2	3	5/26/1999	5/26/1999	100	1.666666667	Hours	Angling	43	Amsterdam Region	2	34	3	
Blueback Herring	66	104895	Male	4	Mohawk River	20	1	224			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	98	104929	Male	4	Mohawk River	20	1	224			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	28	104959	Male	4	Mohawk River	20	1	224			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	35	104966	Male	4	Mohawk River	20	1	224			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	123	106054	Male	4	Mohawk River	20	1	224			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	187	106118	Male	4	Mohawk River	20	1	224			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	222	106154	Male	4	Mohawk River	20	1	224			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	270	106202	Male	4	Mohawk River	20	1	224			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	277	106209	Male	4	Mohawk River	20	1	224			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	289	106221	Male	4	Mohawk River	20	1	224			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	352	106284	Male	4	Mohawk River	20	1	224			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	393	106326	Male	4	Mohawk River	20	1	224			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	16	106471	Male	4	Mohawk River	20	1	224			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	16	106512	Male	4	Mohawk River	20	1	224			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	18	106514	Male	4	Mohawk River	20	1	224			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	10		Female	4	Mohawk River	16	1	224			1	9	6/4/1999	6/4/1999	15			Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	13	106578	Male	4	Mohawk River	20	1	224			2	1	6/7/1999	6/7/1999	98	1.633333333	Hours	Angling	42	Schenectady Region	4	23	3	6
Blueback Herring	12	106601	Male	4	Mohawk River	20	1	224			2	1	6/9/1999	6/9/1999	63	1.05	Hours	Angling	44	Schoharie Region	2	52	3	1
Blueback Herring	17		Male	4	Mohawk River	20	1	224	82.4	77.3	2	3	6/15/1999	6/15/1999				Angling	43	Amsterdam Region	2	28	3	
Blueback Herring	7		Male	4	Mohawk River	20	1	224			2	6	6/17/1999	6/17/1999	90	1.5	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	84	105558	Male	4	Mohawk River	20	1	224			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	29	105716	Male	4	Mohawk River	20	1	224			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	109	105795	Male	4	Mohawk River	20	1	224			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	20	107019	Male	4	Mohawk River	20	1	224			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	64	107063	Male	4	Mohawk River	20	1	224			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	207	107356	Male	4	Mohawk River	20	1	224			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	262	107411	Male	4	Mohawk River	20	1	224			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	267	107416	Undetermined	4	Mohawk River	24	1	224			4	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	327	107476	Male	4	Mohawk River	20	1	224			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	373	107720	Male	4	Mohawk River	20	1	224			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	379	107726	Male	4	Mohawk River	20	1	224			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	386	107733	Male	4	Mohawk River	20	1	224			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	39		Male	4	Mohawk River	20	1	224	82.5	81	3	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	210	107935	Male	4	Mohawk River	20	1	224			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	238	107963	Male	4	Mohawk River	20	1	224			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	287	110359	Male	4	Mohawk River	20	1	224			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	311	110383	Male	4	Mohawk River	20	1	224			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	339	110410	Female	4	Mohawk River	16	1	224			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	372	110443	Male	4	Mohawk River	20	1	224			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	169	110169	Male	4	Mohawk River	20	1	224			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	186	110186	Male	4	Mohawk River	20	1	224			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	9	110318	Male	4	Mohawk River	20	1	224			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	116	110823	Male	4	Mohawk River	20	1	224			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	123	110830	Female	4	Mohawk River	16	1	224			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	143	110849	Male	4	Mohawk River	20	1	224			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	74	110560	Male	4	Mohawk River	20	1	224			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	166	110649	Male	4	Mohawk River	20	1	224			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	12	111012	Male	4	Mohawk River	20	1	224			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	21	111021	Male	4	Mohawk River	20	1	224			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	30	111028	Male	4	Mohawk River	20	1	224			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	43		Male	4	Mohawk River	20	1	224			2	6	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	60	111056	Male	4	Mohawk River	20	1	224			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	192	111181	Male	4	Mohawk River	20	1	224			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	215	111202	Male	4	Mohawk River	20	1	224			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	228	111215	Male	4	Mohawk River	20	1	224			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	272	111257	Male	4	Mohawk River	20	1	224			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	20	108067	Male	4	Mohawk River	20	1	224			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	40	110703	Male	4	Mohawk River	20	1	224			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	8	111371	Male	4	Mohawk River	20	1	224			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	99	111453	Male	4	Mohawk River	20	1	224			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	29		Male	4	Mohawk River	20	1	224	79.6	76.7	2	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	1		Male	4	Mohawk River	20	1	224			2	6	6/8/1999	6/8/1999				Angling	41	Waterford Region	2	1	3	9
Blueback Herring	31		Male	4	Mohawk River	20	1	224	77.3	75.6	3	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	2		Male	4	Mohawk River	20	1	224			2	6	6/17/1999	6/17/1999	60	1	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	5		Male	4	Mohawk River	20	1	224			2	6	6/17/1999	6/17/1999	60	1	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	26		Male	4	Mohawk River	20	1	224	81.1	76	2	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	34	100400	Male	4	Mohawk River	20	1	225			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	95		Male	4	Mohawk River	20	1	225	78	76.1	3	3	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	57	100700	Male	4	Mohawk River	20	1	225			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	152	100788	Male	4	Mohawk River	20	1	225			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	158	100794	Male	4	Mohawk River	20	1	225			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	186	100815	Male	4	Mohawk River	20	1	225			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	213	100837	Male	4	Mohawk River	20	1	225			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	218	100842	Male	4	Mohawk River	20	1	225			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	235	100859	Male	4	Mohawk River	20	1	225			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	47	100921	Male	4	Mohawk River	20	1	225			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	52	100926	Male	4	Mohawk River	20	1	225			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	59		Male	4	Mohawk River	20	1	225			2	6	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	62		Male	4	Mohawk River	20	1	225			2	6	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	84	100953	Female	4	Mohawk River	16	1	225			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	141	101000	Male	4	Mohawk River	20	1	225			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	146	109004	Male	4	Mohawk River	20	1	225			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	175	109033	Male	4	Mohawk River	20	1	225			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	185	109042	Female	4	Mohawk River	16	1	225			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	191	109047	Male	4	Mohawk River	20	1	225			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	221	109075	Female	4	Mohawk River	16	1	225			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	226	109080	Male	4	Mohawk River	20	1	225			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	253	109107	Female	4	Mohawk River	16	1	225			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	279		Female	4	Mohawk River	16	1	225	94.8	82.2	1	3	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	2	109128	Male	4	Mohawk River	20	1	225			2	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	2	101095	Male	4	Mohawk River	20	1	225			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	6	101099	Male	4	Mohawk River	20	1	225			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	108	101201	Male	4	Mohawk River	20	1	225			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	14	101224	Male	4	Mohawk River	20	1	225			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	41	101251	Male	4	Mohawk River	20	1	225			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	61	101271	Female	4	Mohawk River	16	1	225			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	117	101327	Male	4	Mohawk River	20	1	225			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	119	101329	Male	4	Mohawk River	20	1	225			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	129	101339	Male	4	Mohawk River	20	1	225			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	202	101412	Male	4	Mohawk River	20	1	225			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	209	101419	Male	4	Mohawk River	20	1	225			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	28	101495	Male	4	Mohawk River	20	1	225			2	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	35		Male	4	Mohawk River	20	1	225	99	89.3	2	3	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	24	104024	Female	4	Mohawk River	16	1	225			1	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	25	104025	Male	4	Mohawk River	20	1	225			2	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	49		Male	4	Mohawk River	20	1	225	91	82	2	3	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	51		Male	4	Mohawk River	20	1	225	92.1	80.3	2	3	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	101	104304	Male	4	Mohawk River	20	1	225			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	198	104401	Male	4	Mohawk River	20	1	225			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	213	104416	Female	4	Mohawk River	16	1	225			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	234	104437	Male	4	Mohawk River	20	1	225			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	258	104461	Male	4	Mohawk River	20	1	225			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	261	104464	Male	4	Mohawk River	20	1	225			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	296	104499	Male	4	Mohawk River	20	1	225			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	301	104504	Male	4	Mohawk River	20	1	225			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	304	104507	Male	4	Mohawk River	20	1	225			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	350	104553	Male	4	Mohawk River	20	1	225			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	373	104576	Male	4	Mohawk River	20	1	225			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	70		Male	4	Mohawk River	20	1	225	94.5	84.2	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	72		Male	4	Mohawk River	20	1	225	94.2	84.3	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	7	104620	Female	4	Mohawk River	16	1	225			1	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	99	104712	Male	4	Mohawk River	20	1	225			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	103	104716	Male	4	Mohawk River	20	1	225			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	120	104733	Male	4	Mohawk River	20	1	225			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	8	104785	Male	4	Mohawk River	20	1	225			2	1	5/26/1999	5/26/1999	100	1.666666667	Hours	Angling	43	Amsterdam Region	2	34	3	
Blueback Herring	30	104858	Male	4	Mohawk River	20	1	225			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	34	104862	Male	4	Mohawk River	20	1	225			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	71	104900	Male	4	Mohawk River	20	1	225			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	91	104922	Male	4	Mohawk River	20	1	225			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	136	106067	Female	4	Mohawk River	16	1	225			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	142	106073	Male	4	Mohawk River	20	1	225			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	163	106094	Male	4	Mohawk River	20	1	225			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	176	106107	Male	4	Mohawk River	20	1	225			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	217	106149	Male	4	Mohawk River	20	1	225			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	221	106153	Male	4	Mohawk River	20	1	225			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	229	106161	Male	4	Mohawk River	20	1	225			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	247	106179	Male	4	Mohawk River	20	1	225			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	284	106216	Male	4	Mohawk River	20	1	225			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	291	106223	Male	4	Mohawk River	20	1	225			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	321	106253	Male	4	Mohawk River	20	1	225			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	322	106254	Female	4	Mohawk River	16	1	225			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	337	106269	Male	4	Mohawk River	20	1	225			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	379	106311	Male	4	Mohawk River	20	1	225			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	437	106370	Male	4	Mohawk River	20	1	225			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	2	106457	Male	4	Mohawk River	20	1	225			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	19	106515	Male	4	Mohawk River	20	1	225			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	4	106569	Male	4	Mohawk River	20	1	225			2	1	6/7/1999	6/7/1999	98	1.633333333	Hours	Angling	42	Schenectady Region	4	23	3	6
Blueback Herring	7	106572	Male	4	Mohawk River	20	1	225			2	1	6/7/1999	6/7/1999	98	1.633333333	Hours	Angling	42	Schenectady Region	4	23	3	6
Blueback Herring	12	106577	Male	4	Mohawk River	20	1	225			2	1	6/7/1999	6/7/1999	98	1.633333333	Hours	Angling	42	Schenectady Region	4	23	3	6
Blueback Herring	15	106622	Male	4	Mohawk River	20	1	225			4	1	6/10/1999	6/10/1999	75	1.25	Hours	Angling	43	Amsterdam Region	3	28	3	7
Blueback Herring	16	106624	Male	4	Mohawk River	20	1	225			4	1	6/10/1999	6/10/1999	75	1.25	Hours	Angling	43	Amsterdam Region	3	28	3	7
Blueback Herring	19	106627	Undetermined	4	Mohawk River	24	1	225			4	1	6/10/1999	6/10/1999	75	1.25	Hours	Angling	43	Amsterdam Region	3	28	3	7
Blueback Herring	20	106628	Undetermined	4	Mohawk River	24	1	225			4	1	6/10/1999	6/10/1999	75	1.25	Hours	Angling	43	Amsterdam Region	3	28	3	7
Blueback Herring	26		Male	4	Mohawk River	20	1	225	83	81	2	3	6/10/1999	6/10/1999	75	1.25	Hours	Angling	43	Amsterdam Region	3	28	3	7
Blueback Herring	4	106634	Female	4	Mohawk River	16	1	225			3	9	6/15/1999	6/15/1999	95	1.583333333	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	5		Male	4	Mohawk River	20	1	225	87.4	81.5	2	3	6/15/1999	6/15/1999				Angling	43	Amsterdam Region	2	28	3	
Blueback Herring	15		Male	4	Mohawk River	20	1	225	73.9	70.3	3	3	6/16/1999	6/16/1999	60	1	Hours	Angling	44	Schoharie Region	3	44	3	
Blueback Herring	10		Male	4	Mohawk River	20	1	225	82.6	75.1	2	3	6/17/1999	6/17/1999	90	1.5	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	7	105178	Male	4	Mohawk River	20	1	225			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	129	105300	Female	4	Mohawk River	16	1	225			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	221	105392	Female	4	Mohawk River	16	1	225			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	238	105409	Male	4	Mohawk River	20	1	225			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	88	105562	Male	4	Mohawk River	20	1	225			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	135	105609	Male	4	Mohawk River	20	1	225			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	7	105694	Male	4	Mohawk River	20	1	225			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	58	105744	Male	4	Mohawk River	20	1	225			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	105	105791	Female	4	Mohawk River	16	1	225			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	114	105800	Male	4	Mohawk River	20	1	225			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	132	105818	Male	4	Mohawk River	20	1	225			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	210	105897	Male	4	Mohawk River	20	1	225			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	3	105995	Male	4	Mohawk River	20	1	225			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	29	107121	Male	4	Mohawk River	20	1	225			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	62	107154	Male	4	Mohawk River	20	1	225			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	66	107158	Male	4	Mohawk River	20	1	225			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	74	107166	Male	4	Mohawk River	20	1	225			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	131	107503	Male	4	Mohawk River	20	1	225			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	187	107558	Male	4	Mohawk River	20	1	225			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	263	107633	Male	4	Mohawk River	20	1	225			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	265	107635	Male	4	Mohawk River	20	1	225			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	319	107689	Male	4	Mohawk River	20	1	225			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	90	107089	Female	4	Mohawk River	16	1	225			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	236	107385	Male	4	Mohawk River	20	1	225			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	241	107390	Male	4	Mohawk River	20	1	225			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	273	107422	Male	4	Mohawk River	20	1	225			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	351	107500	Male	4	Mohawk River	20	1	225			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	7		Male	4	Mohawk River	20	1	225	92.8	84	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	38		Male	4	Mohawk River	20	1	225	87.9	81.9	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	42		Male	4	Mohawk River	20	1	225	81.7	75.6	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	45		Male	4	Mohawk River	20	1	225	86.1	77.8	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	56		Male	4	Mohawk River	20	1	225	83.2	77.5	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	66		Male	4	Mohawk River	20	1	225	95.5	88.3	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	88	107815	Female	4	Mohawk River	16	1	225			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	214	107939	Undetermined	4	Mohawk River	24	1	225			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	237	107962	Male	4	Mohawk River	20	1	225			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	388	110459	Male	4	Mohawk River	20	1	225			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	421	110491	Male	4	Mohawk River	20	1	225			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	432	110502	Male	4	Mohawk River	20	1	225			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	456	110524	Male	4	Mohawk River	20	1	225			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	477	110542	Male	4	Mohawk River	20	1	225			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	59	110059	Male	4	Mohawk River	20	1	225			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	92	110092	Male	4	Mohawk River	20	1	225			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	265	110265	Male	4	Mohawk River	20	1	225			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	13	110322	Male	4	Mohawk River	20	1	225			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	43	110752	Male	4	Mohawk River	20	1	225			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	47	110756	Male	4	Mohawk River	20	1	225			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	71	110780	Male	4	Mohawk River	20	1	225			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	80	110788	Male	4	Mohawk River	20	1	225			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	105	110812	Male	4	Mohawk River	20	1	225			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	111	110818	Female	4	Mohawk River	16	1	225			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	128	110835	Male	4	Mohawk River	20	1	225			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	139	110845	Male	4	Mohawk River	20	1	225			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	181	110885	Undetermined	4	Mohawk River	24	1	225			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	188	110892	Female	4	Mohawk River	16	1	225			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	205	110909	Male	4	Mohawk River	20	1	225			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	222	110926	Male	4	Mohawk River	20	1	225			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	235	110939	Female	4	Mohawk River	16	1	225			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	14	110951	Male	4	Mohawk River	20	1	225			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	46	110982	Male	4	Mohawk River	20	1	225			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	70	110556	Male	4	Mohawk River	20	1	225			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	100	110585	Undetermined	4	Mohawk River	24	1	225			4	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	132	110617	Male	4	Mohawk River	20	1	225			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	101	111093	Male	4	Mohawk River	20	1	225			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	130	111121	Male	4	Mohawk River	20	1	225			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	164	111153	Male	4	Mohawk River	20	1	225			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	169	111158	Female	4	Mohawk River	16	1	225			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	184	111173	Male	4	Mohawk River	20	1	225			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	186	111175	Male	4	Mohawk River	20	1	225			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	202	111191	Male	4	Mohawk River	20	1	225			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	227	111214	Female	4	Mohawk River	16	1	225			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	5	108015	Male	4	Mohawk River	20	1	225			2	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	11	108021	Female	4	Mohawk River	16	1	225			1	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	54	110716	Male	4	Mohawk River	20	1	225			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	11	110731	Male	4	Mohawk River	20	1	225			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	30	111391	Male	4	Mohawk River	20	1	225			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	57	111416	Male	4	Mohawk River	20	1	225			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	76	111433	Male	4	Mohawk River	20	1	225			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	100	111454	Male	4	Mohawk River	20	1	225			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	37		Female	4	Mohawk River	16	1	225	84.8	78.1	1	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	14		Male	4	Mohawk River	20	1	225	80.8	76.7	2	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	19		Male	4	Mohawk River	20	1	225	93.8	82.8	2	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	19		Male	4	Mohawk River	20	1	225			2	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	9		Male	4	Mohawk River	20	1	225			2	6	6/17/1999	6/17/1999	45	0.75	Hours	Scap net/Lift net	44	Schoharie Region	3	61	3	
Blueback Herring	9		Male	4	Mohawk River	20	1	225			2	6	6/17/1999	6/17/1999	60	1	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	3		Male	4	Mohawk River	20	1	225	79.8	74.7	2	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	1		Male	4	Mohawk River	20	1	225	77.1	72.1	2	3	6/22/1999	6/22/1999	20	0.333333333	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	9		Male	4	Mohawk River	20	1	225	78.6	75.6	2	3	6/22/1999	6/22/1999	20	0.333333333	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	8		Male	4	Mohawk River	20	1	225	75.3	70.8	2	3	7/1/1999	7/1/1999	200	3.333333333	Hours	Angling	44	Schoharie Region	5	64	3	9
Blueback Herring	1		Male	4	Mohawk River	20	1	225	80.1	76.7	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	18	117790	Male	4	Mohawk River	20	1	225			2	1	6/5/2000	6/5/2000	120	6	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	111		Male	4	Mohawk River	20	1	225			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	60		Male	4	Mohawk River	20	1	225			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	53	100419	Male	4	Mohawk River	20	1	226			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	73	100539	Male	4	Mohawk River	20	1	226			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	76	100542	Male	4	Mohawk River	20	1	226			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	69	100625	Male	4	Mohawk River	20	1	226			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	46	100689	Male	4	Mohawk River	20	1	226			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	51	100694	Male	4	Mohawk River	20	1	226			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	61		Male	4	Mohawk River	20	1	226			2	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	92	100731	Male	4	Mohawk River	20	1	226			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	198		Male	4	Mohawk River	20	1	226			2	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	27	100903	Male	4	Mohawk River	20	1	226			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	39	100914	Male	4	Mohawk River	20	1	226			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	103	100967	Male	4	Mohawk River	20	1	226			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	270		Male	4	Mohawk River	20	1	226	82.9	80	2	3	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	280		Male	4	Mohawk River	20	1	226	81.9	77.3	2	3	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	29	109155	Male	4	Mohawk River	20	1	226			2	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	3	101213	Male	4	Mohawk River	20	1	226			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	54	101264	Male	4	Mohawk River	20	1	226			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	94	101304	Male	4	Mohawk River	20	1	226			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	194	101404	Male	4	Mohawk River	20	1	226			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	252	101462	Male	4	Mohawk River	20	1	226			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	1	101468	Male	4	Mohawk River	20	1	226			2	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	23	101490	Male	4	Mohawk River	20	1	226			2	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	53		Male	4	Mohawk River	20	1	226	97.5	84.6	2	3	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	8	104008	Male	4	Mohawk River	20	1	226			2	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	8	104068	Male	4	Mohawk River	20	1	226			2	1	5/18/1999	5/18/1999	20	0.333333333	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	375	104578	Male	4	Mohawk River	20	1	226			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	28		Male	4	Mohawk River	20	1	226	96.9	84.6	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	33		Male	4	Mohawk River	20	1	226	103.6	90.9	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	65		Male	4	Mohawk River	20	1	226	92.4	84.1	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	9	104837	Male	4	Mohawk River	20	1	226			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	3	104934	Female	4	Mohawk River	16	1	226			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	72	106048	Female	4	Mohawk River	16	1	226			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	117	106003	Male	4	Mohawk River	20	1	226			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	156	106087	Male	4	Mohawk River	20	1	226			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	174	106105	Male	4	Mohawk River	20	1	226			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	193	106125	Male	4	Mohawk River	20	1	226			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	202	106134	Male	4	Mohawk River	20	1	226			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	207	106139	Male	4	Mohawk River	20	1	226			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	234	106166	Male	4	Mohawk River	20	1	226			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	246	106178	Female	4	Mohawk River	16	1	226			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	258	106190	Male	4	Mohawk River	20	1	226			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	391	106323	Male	4	Mohawk River	20	1	226			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	481	106414	Female	4	Mohawk River	16	1	226			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	1	106456	Male	4	Mohawk River	20	1	226			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	33	106488	Female	4	Mohawk River	16	1	226			1	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	5	106553	Male	4	Mohawk River	20	1	226			2	9	6/4/1999	6/4/1999	15			Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	19		Male	4	Mohawk River	20	1	226	85.5	80.1	2	3	6/9/1999	6/9/1999	63	1.05	Hours	Angling	44	Schoharie Region	2	52	3	1
Blueback Herring	24	106632	Undetermined	4	Mohawk River	24	1	226			4	1	6/10/1999	6/10/1999	75	1.25	Hours	Angling	43	Amsterdam Region	3	28	3	7
Blueback Herring	4		Male	4	Mohawk River	20	1	226	77.9	73.8	3	3	6/15/1999	6/15/1999				Angling	43	Amsterdam Region	2	28	3	
Blueback Herring	6	106641	Male	4	Mohawk River	20	1	226			2	9	6/16/1999	6/16/1999	210	3.5	Hours	Angling	43	Amsterdam Region	2	35	3	
Blueback Herring	8	106643	Male	4	Mohawk River	20	1	226			2	9	6/16/1999	6/16/1999	210	3.5	Hours	Angling	43	Amsterdam Region	2	35	3	
Blueback Herring	26		Male	4	Mohawk River	20	1	226	89.3	84.9	2	3	6/16/1999	6/16/1999	210	3.5	Hours	Angling	43	Amsterdam Region	2	35	3	
Blueback Herring	95	105266	Male	4	Mohawk River	20	1	226			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	96	105267	Female	4	Mohawk River	16	1	226			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	134	105305	Male	4	Mohawk River	20	1	226			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	170	105341	Male	4	Mohawk River	20	1	226			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	222	105393	Male	4	Mohawk River	20	1	226			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	234	105405	Male	4	Mohawk River	20	1	226			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	259	105430	Male	4	Mohawk River	20	1	226			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	19	105493	Male	4	Mohawk River	20	1	226			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	29	105503	Male	4	Mohawk River	20	1	226			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	31	105505	Male	4	Mohawk River	20	1	226			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	82	105556	Male	4	Mohawk River	20	1	226			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	111	105585	Female	4	Mohawk River	16	1	226			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	21	105708	Male	4	Mohawk River	20	1	226			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	46	105733	Male	4	Mohawk River	20	1	226			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	80	105766	Male	4	Mohawk River	20	1	226			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	102	105788	Male	4	Mohawk River	20	1	226			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	104	105790	Male	4	Mohawk River	20	1	226			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	170	105857	Male	4	Mohawk River	20	1	226			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	39	107131	Female	4	Mohawk River	16	1	226			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	59	107151	Male	4	Mohawk River	20	1	226			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	139	107511	Male	4	Mohawk River	20	1	226			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	157	107528	Male	4	Mohawk River	20	1	226			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	199	107570	Female	4	Mohawk River	16	1	226			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	307	107677	Male	4	Mohawk River	20	1	226			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	79	107078	Male	4	Mohawk River	20	1	226			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	270	107419	Female	4	Mohawk River	16	1	226			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	387	107734	Male	4	Mohawk River	20	1	226			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	441	107787	Male	4	Mohawk River	20	1	226			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	444	107790	Male	4	Mohawk River	20	1	226			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	4		Male	4	Mohawk River	20	1	226	86.3	79	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	53		Male	4	Mohawk River	20	1	226	93.1	87.1	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	158	107884	Male	4	Mohawk River	20	1	226			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	280	110352	Male	4	Mohawk River	20	1	226			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	291	110363	Male	4	Mohawk River	20	1	226			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	316	110388	Male	4	Mohawk River	20	1	226			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	347	110418	Male	4	Mohawk River	20	1	226			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	62	110062	Male	4	Mohawk River	20	1	226			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	84	110084	Male	4	Mohawk River	20	1	226			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	87	110087	Male	4	Mohawk River	20	1	226			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	122	110122	Male	4	Mohawk River	20	1	226			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	126	110126	Male	4	Mohawk River	20	1	226			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	170	110170	Female	4	Mohawk River	16	1	226			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	201	110201	Female	4	Mohawk River	16	1	226			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	254	110254	Male	4	Mohawk River	20	1	226			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	271	110271	Male	4	Mohawk River	20	1	226			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	280	110280	Male	4	Mohawk River	20	1	226			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	304	110304	Male	4	Mohawk River	20	1	226			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	3	110312	Male	4	Mohawk River	20	1	226			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	33	110342	Male	4	Mohawk River	20	1	226			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	60	110769	Male	4	Mohawk River	20	1	226			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	70	110779	Undetermined	4	Mohawk River	24	1	226			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	148	110854	Undetermined	4	Mohawk River	24	1	226			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	160	110866	Male	4	Mohawk River	20	1	226			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	175	110880	Male	4	Mohawk River	20	1	226			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	150	110633	Female	4	Mohawk River	16	1	226			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	14	111014	Male	4	Mohawk River	20	1	226			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	17	111017	Male	4	Mohawk River	20	1	226			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	79	111074	Male	4	Mohawk River	20	1	226			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	136	111127	Male	4	Mohawk River	20	1	226			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	170	111159	Male	4	Mohawk River	20	1	226			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	189	111178	Male	4	Mohawk River	20	1	226			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	200	111189	Male	4	Mohawk River	20	1	226			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	281	111266	Male	4	Mohawk River	20	1	226			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	303	111288	Undetermined	4	Mohawk River	24	1	226			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	23	108031	Male	4	Mohawk River	20	1	226			2	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	34	108041	Male	4	Mohawk River	20	1	226			2	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	7		Male	4	Mohawk River	20	1	226			2	6	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	56	108099	Male	4	Mohawk River	20	1	226			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	60		Male	4	Mohawk River	20	1	226			2	6	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	6	110673	Male	4	Mohawk River	20	1	226			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	53	110715	Male	4	Mohawk River	20	1	226			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	46	111325	Male	4	Mohawk River	20	1	226			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	28	111354	Male	4	Mohawk River	20	1	226			2	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	49	111408	Male	4	Mohawk River	20	1	226			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	65	111423	Female	4	Mohawk River	16	1	226			1	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	102	111456	Male	4	Mohawk River	20	1	226			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	43		Male	4	Mohawk River	20	1	226	82.5	79.6	2	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	30	111531	Male	4	Mohawk River	20	1	226			2	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	18		Male	4	Mohawk River	20	1	226	80.3	75.4	2	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	22		Male	4	Mohawk River	20	1	226	87.9	80.9	2	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	31		Male	4	Mohawk River	20	1	226	87.4	83.6	2	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	36		Male	4	Mohawk River	20	1	226	79.2	73.5	2	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	10		Male	4	Mohawk River	20	1	226	78.7	72.4	2	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	2		Male	4	Mohawk River	20	1	226			2	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	29		Male	4	Mohawk River	20	1	226			2	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	10		Male	4	Mohawk River	20	1	226			2	6	6/17/1999	6/17/1999	60	1	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	11		Male	4	Mohawk River	20	1	226	69	65.5	2	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	37		Male	4	Mohawk River	20	1	226	79.1	73.5	2	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	40		Male	4	Mohawk River	20	1	226	80.3	76.6	2	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	6		Male	4	Mohawk River	20	1	226	86.3	78.9	2	3	6/30/1999	6/30/1999	130	2.166666667	Hours	Angling	44	Schoharie Region	5	64	3	9
Blueback Herring	16		Male	4	Mohawk River	20	1	226	92.8	89.8	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	17	117367	Male	4	Mohawk River	20	1	226			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	107		Male	4	Mohawk River	20	1	226			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	44		Male	4	Mohawk River	20	1	226			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	3	100368	Male	4	Mohawk River	20	1	227			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	128		Male	4	Mohawk River	20	1	227	98.9	88.6	2	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	27	100583	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	38	100681	Female	4	Mohawk River	16	1	227			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	86	100725	Female	4	Mohawk River	16	1	227			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	193		Male	4	Mohawk River	20	1	227			2	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	252	100874	Male	4	Mohawk River	20	1	227			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	43	100918	Male	4	Mohawk River	20	1	227			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	96	100961	Female	4	Mohawk River	16	1	227			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	107	100971	Male	4	Mohawk River	20	1	227			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	198	109054	Male	4	Mohawk River	20	1	227			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	201	109057	Female	4	Mohawk River	16	1	227			3	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	206	109062	Male	4	Mohawk River	20	1	227			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	244	109098	Male	4	Mohawk River	20	1	227			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	23	109149	Undetermined	4	Mohawk River	24	1	227			3	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	27	109153	Male	4	Mohawk River	20	1	227			2	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	

															Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	15	101225	Male	4	Mohawk River	20	1	227			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	63	101273	Female	4	Mohawk River	16	1	227			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	73	101283	Male	4	Mohawk River	20	1	227			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	34		Male	4	Mohawk River	20	1	227	97.6	89.9	2	3	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	13	104013	Male	4	Mohawk River	20	1	227			2	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	16	104016	Male	4	Mohawk River	20	1	227			2	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	46		Female	4	Mohawk River	16	1	227	108.7	91.9	2	3	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	10	104213	Male	4	Mohawk River	20	1	227			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	44	104247	Male	4	Mohawk River	20	1	227			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	46	104249	Male	4	Mohawk River	20	1	227			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	106	104309	Male	4	Mohawk River	20	1	227			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	118	104321	Male	4	Mohawk River	20	1	227			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	141	104344	Male	4	Mohawk River	20	1	227			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	186	104389	Male	4	Mohawk River	20	1	227			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	187	104390	Male	4	Mohawk River	20	1	227			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	209	104412	Male	4	Mohawk River	20	1	227			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	272	104475	Male	4	Mohawk River	20	1	227			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	405	104608	Male	4	Mohawk River	20	1	227			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	54		Male	4	Mohawk River	20	1	227	94.2	88.4	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	74	104687	Male	4	Mohawk River	20	1	227			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	77	104690	Male	4	Mohawk River	20	1	227			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	91	104704	Male	4	Mohawk River	20	1	227			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	97	104710	Female	4	Mohawk River	16	1	227			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	115	104728	Male	4	Mohawk River	20	1	227			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	3	104805	Female	4	Mohawk River	16	1	227			1	1	5/27/1999	5/27/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	19		Male	4	Mohawk River	20	1	227	87	80.2	2	3	5/27/1999	5/27/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	1	104829	Male	4	Mohawk River	20	1	227			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	19	104847	Male	4	Mohawk River	20	1	227			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	26	104854	Male	4	Mohawk River	20	1	227			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	27	104855	Female	4	Mohawk River	16	1	227			1	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	32	104860	Male	4	Mohawk River	20	1	227			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	60	104889	Male	4	Mohawk River	20	1	227			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	88	106032	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	162	106093	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	172	106103	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	225	106157	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	255	106187	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	259	106191	Female	4	Mohawk River	16	1	227			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	303	106235	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	338	106270	Female	4	Mohawk River	16	1	227			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	381	106313	Female	4	Mohawk River	16	1	227			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	390	106322	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	414	106347	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	451	106384	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	462	106395	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	480	106413	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	15	106558	Male	4	Mohawk River	20	1	227			2	9	6/4/1999	6/4/1999	15			Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	30		Male	4	Mohawk River	20	1	227			2	9	6/4/1999	6/4/1999	15			Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	2	106608	Undetermined	4	Mohawk River	24	1	227			4	1	6/10/1999	6/10/1999	75	1.25	Hours	Angling	43	Amsterdam Region	3	28	3	7
Blueback Herring	4	106610	Undetermined	4	Mohawk River	24	1	227			4	1	6/10/1999	6/10/1999	75	1.25	Hours	Angling	43	Amsterdam Region	3	28	3	7
Blueback Herring	25	106633	Undetermined	4	Mohawk River	24	1	227			4	1	6/10/1999	6/10/1999	75	1.25	Hours	Angling	43	Amsterdam Region	3	28	3	7
Blueback Herring	7		Male	4	Mohawk River	20	1	227	78.3	75.5	3	3	6/15/1999	6/15/1999				Angling	43	Amsterdam Region	2	28	3	
Blueback Herring	7	106642	Male	4	Mohawk River	20	1	227			2	9	6/16/1999	6/16/1999	210	3.5	Hours	Angling	43	Amsterdam Region	2	35	3	
Blueback Herring	10		Male	4	Mohawk River	20	1	227	84.3	78	2	3	6/16/1999	6/16/1999	60	1	Hours	Angling	44	Schoharie Region	3	44	3	
Blueback Herring	150	105321	Male	4	Mohawk River	20	1	227			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	159	105330	Male	4	Mohawk River	20	1	227			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	232	105403	Male	4	Mohawk River	20	1	227			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	244	105415	Male	4	Mohawk River	20	1	227			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	288	105459	Male	4	Mohawk River	20	1	227			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	44	105518	Male	4	Mohawk River	20	1	227			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	53	105527	Male	4	Mohawk River	20	1	227			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	100	105574	Male	4	Mohawk River	20	1	227			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	110	105584	Male	4	Mohawk River	20	1	227			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	127	105601	Male	4	Mohawk River	20	1	227			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	10	105697	Male	4	Mohawk River	20	1	227			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	45	105732	Male	4	Mohawk River	20	1	227			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	60	105746	Male	4	Mohawk River	20	1	227			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	74	105760	Male	4	Mohawk River	20	1	227			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	209	105896	Male	4	Mohawk River	20	1	227			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	21	107113	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	60	107152	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	83	107205	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	93	107215	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	103	107225	Female	4	Mohawk River	16	1	227			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	142	107514	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	146	107518	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	153	107525	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	177	107548	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	186	107557	Male	4	Mohawk River	20	1	227			3	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	196	107567	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	303	107673	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	315	107685	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	23	107022	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	41	107040	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	75	107074	Female	4	Mohawk River	16	1	227			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	123	107271	Female	4	Mohawk River	16	1	227			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	221	107370	Female	4	Mohawk River	16	1	227			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	228	107377	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	252	107401	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	291	107440	Female	4	Mohawk River	16	1	227			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	304	107453	Undetermined	4	Mohawk River	24	1	227			4	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	331	107480	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	367	107714	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	390	107737	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	437	107783	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	445	107791	Male	4	Mohawk River	20	1	227			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	63		Male	4	Mohawk River	20	1	227	93.4	85.3	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	130	107857	Male	4	Mohawk River	20	1	227			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	293	110365	Male	4	Mohawk River	20	1	227			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	313	110385	Male	4	Mohawk River	20	1	227			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	385	110456	Male	4	Mohawk River	20	1	227			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	411	110481	Male	4	Mohawk River	20	1	227			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	417	110487	Male	4	Mohawk River	20	1	227			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	438	110508	Undetermined	4	Mohawk River	24	1	227			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	453	110521	Male	4	Mohawk River	20	1	227			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	455	110523	Male	4	Mohawk River	20	1	227			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	60	110060	Male	4	Mohawk River	20	1	227			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	124	110124	Female	4	Mohawk River	16	1	227			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	131	110131	Male	4	Mohawk River	20	1	227			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	133	110133	Male	4	Mohawk River	20	1	227			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	209	110209	Male	4	Mohawk River	20	1	227			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	294	110294	Female	4	Mohawk River	16	1	227			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	309	110309	Male	4	Mohawk River	20	1	227			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	19	110328	Male	4	Mohawk River	20	1	227			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	86	110794	Male	4	Mohawk River	20	1	227			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	108	110815	Male	4	Mohawk River	20	1	227			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	154	110860	Male	4	Mohawk River	20	1	227			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	198	110902	Male	4	Mohawk River	20	1	227			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	228	110932	Male	4	Mohawk River	20	1	227			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	7	110945	Male	4	Mohawk River	20	1	227			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	23	110960	Male	4	Mohawk River	20	1	227			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	34	110971	Male	4	Mohawk River	20	1	227			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	38	110975	Male	4	Mohawk River	20	1	227			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	78	110563	Male	4	Mohawk River	20	1	227			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	118	110603	Male	4	Mohawk River	20	1	227			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	124	110609	Male	4	Mohawk River	20	1	227			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	130	110615	Male	4	Mohawk River	20	1	227			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	162	110645	Male	4	Mohawk River	20	1	227			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	3	111003	Male	4	Mohawk River	20	1	227			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	11	111011	Male	4	Mohawk River	20	1	227			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	46	111042	Male	4	Mohawk River	20	1	227			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	116	111108	Male	4	Mohawk River	20	1	227			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	120	111112	Male	4	Mohawk River	20	1	227			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	129	111120	Male	4	Mohawk River	20	1	227			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	185	111174	Female	4	Mohawk River	16	1	227			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	231	111218	Male	4	Mohawk River	20	1	227			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	239	111226	Male	4	Mohawk River	20	1	227			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	267	111252	Male	4	Mohawk River	20	1	227			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	274	111259	Male	4	Mohawk River	20	1	227			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	276	111261	Male	4	Mohawk River	20	1	227			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	305	111290	Male	4	Mohawk River	20	1	227			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	4	108014	Male	4	Mohawk River	20	1	227			2	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	24	108032	Male	4	Mohawk River	20	1	227			2	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	25	108033	Female	4	Mohawk River	16	1	227			1	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	64	110656	Male	4	Mohawk River	20	1	227			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	18	110738	Male	4	Mohawk River	20	1	227			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	16	111342	Male	4	Mohawk River	20	1	227			2	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	

															Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	16	111378	Male	4	Mohawk River	20	1	227			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	23	111385	Male	4	Mohawk River	20	1	227			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	48	111407	Male	4	Mohawk River	20	1	227			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	61	111420	Female	4	Mohawk River	16	1	227			1	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	6	111507	Male	4	Mohawk River	20	1	227			2	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	8	111509	Female	4	Mohawk River	16	1	227			1	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	21	111522	Male	4	Mohawk River	20	1	227			2	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	43	111542	Male	4	Mohawk River	20	1	227			2	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	8		Male	4	Mohawk River	20	1	227			3	6	6/8/1999	6/8/1999				Angling	41	Waterford Region	2	1	3	9
Blueback Herring	40		Female	4	Mohawk River	16	1	227	89.1	82	1	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	8		Male	4	Mohawk River	20	1	227	83.7	78	2	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	16		Male	4	Mohawk River	20	1	227	77.1	72.8	2	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	31		Male	4	Mohawk River	20	1	227			2	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	6		Male	4	Mohawk River	20	1	227			2	6	6/17/1999	6/17/1999	60	1	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	1		Male	4	Mohawk River	20	1	227	74.5	70.2	2	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	5		Male	4	Mohawk River	20	1	227	85.3	82.6	2	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	35		Male	4	Mohawk River	20	1	227	71.5	68.7	3	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	8		Male	4	Mohawk River	20	1	227	76.7	73.6	2	3	6/22/1999	6/22/1999	20	0.333333333	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	5		Male	4	Mohawk River	20	1	227	79.1	75.3	2	3	6/30/1999	6/30/1999	110	1.833333333	Hours	Angling	44	Schoharie Region	5	64	3	9
Blueback Herring	11		Male	4	Mohawk River	20	1	227	76.7	73.8	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	23	117373	Male	4	Mohawk River	20	1	227			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	53		Male	4	Mohawk River	20	1	227	87.4	82.7	3	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	101		Male	4	Mohawk River	20	1	227			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	19	100385	Male	4	Mohawk River	20	1	228			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	48	100414	Male	4	Mohawk River	20	1	228			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	11	100567	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	61	100617	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	7	100652	Male	4	Mohawk River	20	1	228			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	19	100664	Male	4	Mohawk River	20	1	228			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	27	100671	Male	4	Mohawk River	20	1	228			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	88	100727	Male	4	Mohawk River	20	1	228			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	146	100782	Male	4	Mohawk River	20	1	228			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	216	100840	Male	4	Mohawk River	20	1	228			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	9	100885	Male	4	Mohawk River	20	1	228			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	72	100943	Male	4	Mohawk River	20	1	228			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	143	109002	Male	4	Mohawk River	20	1	228			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	47		Female	4	Mohawk River	16	1	228	111.3	93.6	1	3	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	42	104174	Male	4	Mohawk River	20	1	228			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	66	104198	Male	4	Mohawk River	20	1	228			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	50	104253	Male	4	Mohawk River	20	1	228			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	75	104278	Female	4	Mohawk River	16	1	228			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	149	104352	Male	4	Mohawk River	20	1	228			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	203	104406	Male	4	Mohawk River	20	1	228			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	23		Male	4	Mohawk River	20	1	228	104.5	94.3	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	3	104616	Female	4	Mohawk River	16	1	228			1	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	16	104629	Male	4	Mohawk River	20	1	228			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	64	104677	Male	4	Mohawk River	20	1	228			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	70	104683	Male	4	Mohawk River	20	1	228			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	89	104702	Male	4	Mohawk River	20	1	228			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	93	104706	Male	4	Mohawk River	20	1	228			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	110	104723	Male	4	Mohawk River	20	1	228			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	10	104745	Male	4	Mohawk River	20	1	228			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	8	104836	Male	4	Mohawk River	20	1	228			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	85	104914	Male	4	Mohawk River	20	1	228			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	31	104962	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	60	104991	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	75	106045	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	96	106024	Female	4	Mohawk River	16	1	228			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	121	106052	Female	4	Mohawk River	16	1	228			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	138	106069	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	157	106088	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	204	106136	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	237	106169	Female	4	Mohawk River	16	1	228			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	249	106181	Female	4	Mohawk River	16	1	228			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	260	106192	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	340	106272	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	377	106309	Female	4	Mohawk River	16	1	228			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	409	106342	Female	4	Mohawk River	16	1	228			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	456	106389	Female	4	Mohawk River	16	1	228			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	494	106427	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	2	106498	Male	4	Mohawk River	20	1	228			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	52	106548	Female	4	Mohawk River	16	1	228			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	3	106552	Male	4	Mohawk River	20	1	228			2	9	6/4/1999	6/4/1999	15			Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	6		Male	4	Mohawk River	20	1	228			2	9	6/4/1999	6/4/1999	15			Cast net	41	Waterford Region	2	1	3	7

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	7	106554	Male	4	Mohawk River	20	1	228			2	9	6/4/1999	6/4/1999	15			Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	23	106588	Male	4	Mohawk River	20	1	228			2	1	6/7/1999	6/7/1999	98	1.633333333	Hours	Angling	42	Schenectady Region	4	23	3	6
Blueback Herring	5	106640	Male	4	Mohawk River	20	1	228			2	9	6/16/1999	6/16/1999	210	3.5	Hours	Angling	43	Amsterdam Region	2	35	3	
Blueback Herring	25		Male	4	Mohawk River	20	1	228	85.1	79.9	2	3	6/16/1999	6/16/1999	210	3.5	Hours	Angling	43	Amsterdam Region	2	35	3	
Blueback Herring	2		Male	4	Mohawk River	20	1	228			2	6	6/17/1999	6/17/1999	90	1.5	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	23	105194	Male	4	Mohawk River	20	1	228			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	57	105228	Male	4	Mohawk River	20	1	228			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	118	105289	Male	4	Mohawk River	20	1	228			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	147	105318	Female	4	Mohawk River	16	1	228			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	156	105327	Female	4	Mohawk River	16	1	228			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	300	105471	Male	4	Mohawk River	20	1	228			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	21	105495	Male	4	Mohawk River	20	1	228			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	155	105629	Male	4	Mohawk River	20	1	228			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	15	105702	Male	4	Mohawk River	20	1	228			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	28	105715	Male	4	Mohawk River	20	1	228			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	43	105730	Male	4	Mohawk River	20	1	228			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	57	105743	Male	4	Mohawk River	20	1	228			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	154	105841	Male	4	Mohawk River	20	1	228			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	177	105864	Female	4	Mohawk River	16	1	228			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	198	105885	Male	4	Mohawk River	20	1	228			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	5		Male	4	Mohawk River	20	1	228			2	6	5/28/1999	5/28/1999	30	0.5	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	34	107126	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	41	107133	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	111	107233	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	120	107242	Female	4	Mohawk River	16	1	228			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	125	107247	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	145	107517	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	165	107536	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	180	107551	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	204	107575	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	234	107605	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	252	107622	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	274	107644	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	299	107669	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	316	107686	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	47	107046	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	155	107304	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	195	107344	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	203	107352	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	210	107359	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	290	107439	Female	4	Mohawk River	16	1	228			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	341	107490	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	356	107703	Female	4	Mohawk River	16	1	228			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	385	107732	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	402	107749	Male	4	Mohawk River	20	1	228			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	23		Male	4	Mohawk River	20	1	228	94.9	84.4	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	55		Male	4	Mohawk River	20	1	228	97.5	85.8	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	59		Male	4	Mohawk River	20	1	228	93.1	84.3	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	89	107816	Male	4	Mohawk River	20	1	228			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	112	107839	Male	4	Mohawk River	20	1	228			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	116	107843	Male	4	Mohawk River	20	1	228			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	137	107864	Male	4	Mohawk River	20	1	228			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	180	107905	Undetermined	4	Mohawk River	24	1	228			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	222	107947	Female	4	Mohawk River	16	1	228			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	225	107950	Female	4	Mohawk River	16	1	228			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	243	107968	Male	4	Mohawk River	20	1	228			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	248	107972	Undetermined	4	Mohawk River	24	1	228			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	265	107988	Male	4	Mohawk River	20	1	228			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	271	107994	Male	4	Mohawk River	20	1	228			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	338	110409	Male	4	Mohawk River	20	1	228			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	359	110430	Male	4	Mohawk River	20	1	228			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	381	110452	Undetermined	4	Mohawk River	24	1	228			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	389	110460	Female	4	Mohawk River	16	1	228			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	443	110513	Male	4	Mohawk River	20	1	228			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	475	110540	Male	4	Mohawk River	20	1	228			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	19	110019	Male	4	Mohawk River	20	1	228			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	75	110076	Male	4	Mohawk River	20	1	228			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	106	110106	Female	4	Mohawk River	16	1	228			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	130	110130	Male	4	Mohawk River	20	1	228			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	174	110174	Male	4	Mohawk River	20	1	228			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	210	110210	Female	4	Mohawk River	16	1	228			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	242	110242	Male	4	Mohawk River	20	1	228			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	288	110288	Female	4	Mohawk River	16	1	228			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	295	110295	Male	4	Mohawk River	20	1	228			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	18	110327	Female	4	Mohawk River	16	1	228			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	184	110888	Male	4	Mohawk River	20	1	228			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	193	110897	Female	4	Mohawk River	16	1	228			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	194	110898	Male	4	Mohawk River	20	1	228			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	206	110910	Male	4	Mohawk River	20	1	228			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	35	110972	Female	4	Mohawk River	16	1	228			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	51	110987	Male	4	Mohawk River	20	1	228			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	92	110577	Female	4	Mohawk River	16	1	228			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	105	110590	Male	4	Mohawk River	20	1	228			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	110	110595	Undetermined	4	Mohawk River	24	1	228			4	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	8	111008	Undetermined	4	Mohawk River	24	1	228			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	20	111020	Male	4	Mohawk River	20	1	228			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	24	111023	Male	4	Mohawk River	20	1	228			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	28		Male	4	Mohawk River	20	1	228			3	6	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	32	111030	Male	4	Mohawk River	20	1	228			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	86	111080	Male	4	Mohawk River	20	1	228			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	143	111133	Male	4	Mohawk River	20	1	228			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	152	111141	Male	4	Mohawk River	20	1	228			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	167	111156	Male	4	Mohawk River	20	1	228			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	182	111171	Male	4	Mohawk River	20	1	228			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	198	111187	Male	4	Mohawk River	20	1	228			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	199	111188	Male	4	Mohawk River	20	1	228			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	216	111203	Male	4	Mohawk River	20	1	228			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	217	111204	Female	4	Mohawk River	16	1	228			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	246	111232	Male	4	Mohawk River	20	1	228			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	287	111272	Male	4	Mohawk River	20	1	228			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	8	108055	Male	4	Mohawk River	20	1	228			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	25	108072	Undetermined	4	Mohawk River	24	1	228			4	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	39	108083	Male	4	Mohawk River	20	1	228			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	1	110669	Male	4	Mohawk River	20	1	228			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	27	110692	Male	4	Mohawk River	20	1	228			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	24	110744	Male	4	Mohawk River	20	1	228			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	33	111393	Male	4	Mohawk River	20	1	228			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	34	111394	Male	4	Mohawk River	20	1	228			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	51	111410	Male	4	Mohawk River	20	1	228			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	95	111449	Male	4	Mohawk River	20	1	228			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	42		Female	4	Mohawk River	16	1	228	91.9	74	1	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	28	111529	Male	4	Mohawk River	20	1	228			2	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	31	111532	Male	4	Mohawk River	20	1	228			2	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	44	111543	Male	4	Mohawk River	20	1	228			2	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	15		Male	4	Mohawk River	20	1	228	78.5	75.3	2	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	12		Male	4	Mohawk River	20	1	228	88.8	83.2	2	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	5		Male	4	Mohawk River	20	1	228			2	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	20		Male	4	Mohawk River	20	1	228			2	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	12		Male	4	Mohawk River	20	1	228	82.3	78.5	2	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	14		Male	4	Mohawk River	20	1	228	84.2	80.1	2	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	15		Male	4	Mohawk River	20	1	228	83.9	79.5	3	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	6		Male	4	Mohawk River	20	1	228	66.6	62.1	2	3	6/23/1999	6/23/1999	20	0.333333333	Hours	Angling	45	Little Falls River	5	70	3	
Blueback Herring	1		Male	4	Mohawk River	20	1	228	88.8	84.2	2	3	6/30/1999	6/30/1999	80	1.333333333	Hours	Angling	44	Schoharie Region	5	61	3	9
Blueback Herring	9		Male	4	Mohawk River	20	1	228	82.2	79.5	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	19		Male	4	Mohawk River	20	1	228	76.5	74.3	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	25		Male	4	Mohawk River	20	1	228	85	81.9	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	31		Male	4	Mohawk River	20	1	228	91.6	89.7	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	37		Male	4	Mohawk River	20	1	228	86.5	83.7	2	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	146		Male	4	Mohawk River	20	1	228			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	10	100376	Male	4	Mohawk River	20	1	229			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	47	100413	Male	4	Mohawk River	20	1	229			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	76	100442	Male	4	Mohawk River	20	1	229			3	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	129		Male	4	Mohawk River	20	1	229	92.7	85.3	2	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	51	100517	Female	4	Mohawk River	16	1	229			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	62	100528	Male	4	Mohawk River	20	1	229			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	1	100646	Male	4	Mohawk River	20	1	229			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	39	100682	Female	4	Mohawk River	16	1	229			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	70	100709	Male	4	Mohawk River	20	1	229			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	81	100720	Male	4	Mohawk River	20	1	229			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	85	100724	Male	4	Mohawk River	20	1	229			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	173	100807	Male	4	Mohawk River	20	1	229			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	203	100827	Male	4	Mohawk River	20	1	229			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	5	100881	Male	4	Mohawk River	20	1	229			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	57	100931	Male	4	Mohawk River	20	1	229			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	68	100939	Male	4	Mohawk River	20	1	229			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	73	100944	Female	4	Mohawk River	16	1	229			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	142	109001	Male	4	Mohawk River	20	1	229			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9

															Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	195	109051	Male	4	Mohawk River	20	1	229			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	203	109059	Female	4	Mohawk River	16	1	229			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	231	109085	Male	4	Mohawk River	20	1	229			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	249	109103	Male	4	Mohawk River	20	1	229			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	15	109121	Female	4	Mohawk River	16	1	229			1	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	9	109135	Male	4	Mohawk River	20	1	229			2	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	16	101042	Male	4	Mohawk River	20	1	229			2	1	5/11/1999	5/11/1999	70	1.166666667	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	13	101081	Male	4	Mohawk River	20	1	229			2	1	5/12/1999	5/12/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	119		Male	4	Mohawk River	20	1	229	93.6	85.6	2	3	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	37	101247	Male	4	Mohawk River	20	1	229			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	80	101290	Male	4	Mohawk River	20	1	229			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	105	101315	Male	4	Mohawk River	20	1	229			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	258		Male	4	Mohawk River	20	1	229	99.7	88	2	3	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	259		Male	4	Mohawk River	20	1	229	106	91.7	2	3	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	51		Female	4	Mohawk River	16	1	229	107.1	91.2	1	3	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	37	104060	Male	4	Mohawk River	20	1	229			2	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	41		Male	4	Mohawk River	20	1	229	104.3	92.6	2	3	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	45		Male	4	Mohawk River	20	1	229	111.7	99.7	2	3	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	54		Male	4	Mohawk River	20	1	229	107.4	95.8	2	3	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	23	104155	Male	4	Mohawk River	20	1	229			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	33	104165	Male	4	Mohawk River	20	1	229			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	61	104193	Male	4	Mohawk River	20	1	229			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	139	104342	Male	4	Mohawk River	20	1	229			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	333	104536	Male	4	Mohawk River	20	1	229			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	388	104591	Male	4	Mohawk River	20	1	229			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	398	104601	Female	4	Mohawk River	16	1	229			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	20		Male	4	Mohawk River	20	1	229	101.8	90.7	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	73		Male	4	Mohawk River	20	1	229	98.5	88.9	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	56	104669	Male	4	Mohawk River	20	1	229			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	61	104674	Male	4	Mohawk River	20	1	229			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	16	104751	Male	4	Mohawk River	20	1	229			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	32	104767	Male	4	Mohawk River	20	1	229			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	5	104807	Male	4	Mohawk River	20	1	229			2	1	5/27/1999	5/27/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	12	104840	Male	4	Mohawk River	20	1	229			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	37	104865	Male	4	Mohawk River	20	1	229			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	68	104897	Male	4	Mohawk River	20	1	229			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	97	104928	Female	4	Mohawk River	16	1	229			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	9	104940	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	14	104945	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	50	104981	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	95	106025	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	118	106002	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	129	106060	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	159	106090	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	164	106095	Female	4	Mohawk River	16	1	229			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	165	106096	Female	4	Mohawk River	16	1	229			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	213	106145	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	244	106176	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	261	106193	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	281	106213	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	295	106227	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	396	106329	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	418	106351	Female	4	Mohawk River	16	1	229			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	426	106359	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	466	106399	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	476	106409	Female	4	Mohawk River	16	1	229			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	31	106527	Female	4	Mohawk River	16	1	229			1	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	17	106606	Male	4	Mohawk River	20	1	229			2	1	6/9/1999	6/9/1999	63	1.05	Hours	Angling	44	Schoharie Region	2	52	3	1
Blueback Herring	21		Male	4	Mohawk River	20	1	229	82.1	79.1	2	3	6/17/1999	6/17/1999	90	1.5	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	24		Male	4	Mohawk River	20	1	229	85.5	79.6	2	3	6/17/1999	6/17/1999	90	1.5	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	63	105234	Female	4	Mohawk River	16	1	229			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	165	105336	Male	4	Mohawk River	20	1	229			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	174	105345	Male	4	Mohawk River	20	1	229			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	190	105361	Male	4	Mohawk River	20	1	229			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	196	105367	Male	4	Mohawk River	20	1	229			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	216	105387	Female	4	Mohawk River	16	1	229			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	223	105394	Male	4	Mohawk River	20	1	229			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	32	105506	Male	4	Mohawk River	20	1	229			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	81	105555	Male	4	Mohawk River	20	1	229			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	108	105582	Male	4	Mohawk River	20	1	229			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	138	105612	Male	4	Mohawk River	20	1	229			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	147	105621	Female	4	Mohawk River	16	1	229			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	65	105751	Male	4	Mohawk River	20	1	229			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	78	105764	Male	4	Mohawk River	20	1	229			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	13	107105	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	64	107156	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	97	107219	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	101	107223	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	149	107521	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	209	107580	Female	4	Mohawk River	16	1	229			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	250	107620	Female	4	Mohawk River	16	1	229			3	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	327	107697	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	19	107018	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	45	107044	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	117	107265	Female	4	Mohawk River	16	1	229			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	151	107300	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	177	107326	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	182	107331	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	184	107333	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	202	107351	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	307	107456	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	342	107491	Female	4	Mohawk River	16	1	229			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	353		Male	4	Mohawk River	20	1	229			2	6	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	354	107701	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	363	107710	Female	4	Mohawk River	16	1	229			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	397	107744	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	418	107765	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	448	107794	Male	4	Mohawk River	20	1	229			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	37		Male	4	Mohawk River	20	1	229	98	88.7	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	58		Male	4	Mohawk River	20	1	229	94.3	86.9	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	62		Male	4	Mohawk River	20	1	229	95.3	87	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	91	107818	Undetermined	4	Mohawk River	24	1	229			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	103	107830	Male	4	Mohawk River	20	1	229			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	122	107849	Male	4	Mohawk River	20	1	229			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	147	107874	Male	4	Mohawk River	20	1	229			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	172	107897	Male	4	Mohawk River	20	1	229			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	199	107924	Male	4	Mohawk River	20	1	229			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	200	107925	Male	4	Mohawk River	20	1	229			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	228	107953	Undetermined	4	Mohawk River	24	1	229			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	260	107983	Male	4	Mohawk River	20	1	229			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	307	110379	Male	4	Mohawk River	20	1	229			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	351	110422	Male	4	Mohawk River	20	1	229			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	357	110428	Male	4	Mohawk River	20	1	229			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	401	110472	Male	4	Mohawk River	20	1	229			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	439	110509	Male	4	Mohawk River	20	1	229			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	96	110096	Male	4	Mohawk River	20	1	229			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	134	110134	Female	4	Mohawk River	16	1	229			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	139	110139	Male	4	Mohawk River	20	1	229			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	255	110255	Male	4	Mohawk River	20	1	229			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	41	110350	Male	4	Mohawk River	20	1	229			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	134	110840	Male	4	Mohawk River	20	1	229			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	61	110997	Male	4	Mohawk River	20	1	229			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	99	110584	Male	4	Mohawk River	20	1	229			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	114	110599	Undetermined	4	Mohawk River	24	1	229			4	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	96	111088	Male	4	Mohawk River	20	1	229			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	105	111097	Male	4	Mohawk River	20	1	229			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	109	111101	Male	4	Mohawk River	20	1	229			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	115	111107	Male	4	Mohawk River	20	1	229			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	155	111144	Male	4	Mohawk River	20	1	229			3	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	211	111199	Male	4	Mohawk River	20	1	229			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	236	111223	Male	4	Mohawk River	20	1	229			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	249	111235	Male	4	Mohawk River	20	1	229			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	10	108020	Male	4	Mohawk River	20	1	229			2	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	13		Male	4	Mohawk River	20	1	229			2	6	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	76		Male	4	Mohawk River	20	1	229			2	6	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	3	110671	Undetermined	4	Mohawk River	24	1	229			4	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	7	110674	Undetermined	4	Mohawk River	24	1	229			4	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	34	110698	Female	4	Mohawk River	16	1	229			1	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	59	110719	Male	4	Mohawk River	20	1	229			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	47	111326	Male	4	Mohawk River	20	1	229			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	23	111349	Undetermined	4	Mohawk River	24	1	229			4	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	18	111380	Male	4	Mohawk River	20	1	229			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	63		Male	4	Mohawk River	20	1	229			2	6	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	97	111451	Male	4	Mohawk River	20	1	229			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	28		Male	4	Mohawk River	20	1	229	87.3	77.3	2	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	5	111506	Male	4	Mohawk River	20	1	229			2	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	24	111525	Male	4	Mohawk River	20	1	229			2	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	33	111534	Female	4	Mohawk River	16	1	229			1	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	4	111554	Male	4	Mohawk River	20	1	229			2	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	9
Blueback Herring	29		Male	4	Mohawk River	20	1	229	91.2	84.4	2	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	18		Male	4	Mohawk River	20	1	229	86.1	80.3	2	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	25		Male	4	Mohawk River	20	1	229	89.4	80	2	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	28		Male	4	Mohawk River	20	1	229	79.9	73.6	2	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	23		Male	4	Mohawk River	20	1	229			2	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	11		Male	4	Mohawk River	20	1	229			2	6	6/17/1999	6/17/1999	60	1	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	17		Male	4	Mohawk River	20	1	229	83.4	80.3	3	3	6/22/1999	6/22/1999	20	0.333333333	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	4		Male	4	Mohawk River	20	1	229	84.4	80.5	2	3	7/1/1999	7/1/1999	200	3.333333333	Hours	Angling	44	Schoharie Region	5	64	3	9
Blueback Herring	7		Male	4	Mohawk River	20	1	229	83.3	80.5	2	3	7/1/1999	7/1/1999	200	3.333333333	Hours	Angling	44	Schoharie Region	5	64	3	9
Blueback Herring	172	116209	Male	4	Mohawk River	20	1	229			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	192	116229	Male	4	Mohawk River	20	1	229			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	34	121302	Male	4	Mohawk River	20	1	229			2	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	54		Male	4	Mohawk River	20	1	229	103.3	90.7	2	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	11	100377	Female	4	Mohawk River	16	1	230			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	31	100397	Male	4	Mohawk River	20	1	230			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	77	100443	Male	4	Mohawk River	20	1	230			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	80	100446	Male	4	Mohawk River	20	1	230			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	102		Male	4	Mohawk River	20	1	230	92.2	83.4	2	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	114		Male	4	Mohawk River	20	1	230	95.6	88	2	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	140		Male	4	Mohawk River	20	1	230	83.4	76.5	2	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	144		Male	4	Mohawk River	20	1	230	95.9	89.3	2	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	15	100481	Male	4	Mohawk River	20	1	230			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	36	100502	Male	4	Mohawk River	20	1	230			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	19	100575	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	89	100644	Female	4	Mohawk River	16	1	230			1	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	2	100647	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	9	100654	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	29	100673	Undetermined	4	Mohawk River	24	1	230			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	31	100674	Undetermined	4	Mohawk River	24	1	230			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	42	100685	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	50	100693	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	54	100697	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	72	100711	Female	4	Mohawk River	16	1	230			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	76	100715	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	122	100759	Female	4	Mohawk River	16	1	230			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	175	100809	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	185		Female	4	Mohawk River	16	1	230			3	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	206	100830	Female	4	Mohawk River	16	1	230			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	217	100841	Undetermined	4	Mohawk River	24	1	230			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	229	100853	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	233	100857	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	246	100869	Undetermined	4	Mohawk River	24	1	230			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	248	100870	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	3	100879	Male	4	Mohawk River	20	1	230			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	4	100880	Male	4	Mohawk River	20	1	230			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	36	100911	Female	4	Mohawk River	16	1	230			3	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	38	100913	Male	4	Mohawk River	20	1	230			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	100	100964	Male	4	Mohawk River	20	1	230			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	116	100980	Male	4	Mohawk River	20	1	230			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	126	100990	Male	4	Mohawk River	20	1	230			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	135	100996	Male	4	Mohawk River	20	1	230			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	136		Female	4	Mohawk River	16	1	230			4	6	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	149	109007	Male	4	Mohawk River	20	1	230			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	184	109041	Male	4	Mohawk River	20	1	230			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	196	109052	Male	4	Mohawk River	20	1	230			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	200	109056	Male	4	Mohawk River	20	1	230			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	205	109061	Male	4	Mohawk River	20	1	230			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	224	109078	Male	4	Mohawk River	20	1	230			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	240	109094	Male	4	Mohawk River	20	1	230			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	250	109104	Male	4	Mohawk River	20	1	230			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	284		Male	4	Mohawk River	20	1	230	89.6	84.8	2	3	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	6	109118	Male	4	Mohawk River	20	1	230			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	15	109141	Female	4	Mohawk River	16	1	230			1	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	28	109154	Male	4	Mohawk River	20	1	230			2	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	88	101181	Male	4	Mohawk River	20	1	230			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	18	101228	Male	4	Mohawk River	20	1	230			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	23		Male	4	Mohawk River	20	1	230	115.6	103.3	2	3	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	93	101303	Female	4	Mohawk River	16	1	230			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	168	101378	Male	4	Mohawk River	20	1	230			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	228	101438	Female	4	Mohawk River	16	1	230			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	238	101448	Male	4	Mohawk River	20	1	230			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	37		Male	4	Mohawk River	20	1	230	103.7	92.3	2	3	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	32	104032	Male	4	Mohawk River	20	1	230			2	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	48		Male	4	Mohawk River	20	1	230	106.4	95.4	2	3	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	55		Female	4	Mohawk River	16	1	230	103.6	88.5	1	3	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	13	104073	Female	4	Mohawk River	16	1	230			1	1	5/18/1999	5/18/1999	20	0.333333333	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	20	104152	Male	4	Mohawk River	20	1	230			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	12	104215	Male	4	Mohawk River	20	1	230			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	70	104273	Male	4	Mohawk River	20	1	230			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	107	104310	Male	4	Mohawk River	20	1	230			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	111	104314	Male	4	Mohawk River	20	1	230			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	120	104323	Male	4	Mohawk River	20	1	230			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	123	104326	Male	4	Mohawk River	20	1	230			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	131	104334	Male	4	Mohawk River	20	1	230			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	181	104384	Male	4	Mohawk River	20	1	230			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	260	104463	Male	4	Mohawk River	20	1	230			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	266	104469	Male	4	Mohawk River	20	1	230			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	309	104512	Male	4	Mohawk River	20	1	230			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	322	104525	Male	4	Mohawk River	20	1	230			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	342	104545	Male	4	Mohawk River	20	1	230			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	393	104596	Male	4	Mohawk River	20	1	230			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	11		Female	4	Mohawk River	16	1	230	109.3	91.5	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	24		Male	4	Mohawk River	20	1	230	97.1	88.6	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	35		Male	4	Mohawk River	20	1	230	112.4	99.9	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	39		Male	4	Mohawk River	20	1	230	105.7	100.7	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	65	104678	Male	4	Mohawk River	20	1	230			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	20	104798	Male	4	Mohawk River	20	1	230			2	1	5/26/1999	5/26/1999	100	1.666666667	Hours	Angling	43	Amsterdam Region	2	34	3	
Blueback Herring	21	104849	Male	4	Mohawk River	20	1	230			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	64	104893	Male	4	Mohawk River	20	1	230			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	77	104906	Male	4	Mohawk River	20	1	230			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	93	104924	Male	4	Mohawk River	20	1	230			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	12	104943	Female	4	Mohawk River	16	1	230			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	20	104951	Female	4	Mohawk River	16	1	230			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	40	104971	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	45	104976	Female	4	Mohawk River	16	1	230			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	56	104987	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	59	104990	Female	4	Mohawk River	16	1	230			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	66	104997	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	77	106043	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	84	106036	Female	4	Mohawk River	16	1	230			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	86	106034	Female	4	Mohawk River	16	1	230			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	98	106022	Female	4	Mohawk River	16	1	230			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	103	106017	Female	4	Mohawk River	16	1	230			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	107	106013	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	122	106053	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	139	106070	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	180	106111	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	191	106123	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	209	106141	Female	4	Mohawk River	16	1	230			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	226	106158	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	253	106185	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	267	106199	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	301	106233	Female	4	Mohawk River	16	1	230			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	308	106240	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	319	106251	Female	4	Mohawk River	16	1	230			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	320	106252	Female	4	Mohawk River	16	1	230			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	326	106258	Female	4	Mohawk River	16	1	230			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	336	106268	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	346	106278	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	353	106285	Female	4	Mohawk River	16	1	230			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	364	106296	Female	4	Mohawk River	16	1	230			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	367	106299	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	370	106302	Female	4	Mohawk River	16	1	230			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	384	106316	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	389	106321	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	398	106331	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	431	106364	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	450	106383	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	467	106400	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	495	106428	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	34	106489	Male	4	Mohawk River	20	1	230			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	35	106490	Male	4	Mohawk River	20	1	230			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	5	106501	Male	4	Mohawk River	20	1	230			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	30	106526	Male	4	Mohawk River	20	1	230			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	6	106571	Male	4	Mohawk River	20	1	230			2	1	6/7/1999	6/7/1999	98	1.633333333	Hours	Angling	42	Schenectady Region	4	23	3	6
Blueback Herring	15	106580	Male	4	Mohawk River	20	1	230			2	1	6/7/1999	6/7/1999	98	1.633333333	Hours	Angling	42	Schenectady Region	4	23	3	6
Blueback Herring	18	106583	Male	4	Mohawk River	20	1	230			2	1	6/7/1999	6/7/1999	98	1.633333333	Hours	Angling	42	Schenectady Region	4	23	3	6

Adult BBH Data

																Adult Blueback Herring Data						
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	12		Male	4	Mohawk River	20	1	230	79.5	76.3	3	3	6/15/1999	6/15/1999				Angling	43	Amsterdam Region	2	28	3	
Blueback Herring	10	106645	Male	4	Mohawk River	20	1	230			2	9	6/16/1999	6/16/1999	210	3.5	Hours	Angling	43	Amsterdam Region	2	35	3	
Blueback Herring	45	105216	Female	4	Mohawk River	16	1	230			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	72	105243	Male	4	Mohawk River	20	1	230			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	89	105260	Male	4	Mohawk River	20	1	230			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	243	105414	Female	4	Mohawk River	16	1	230			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	14	105488	Male	4	Mohawk River	20	1	230			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	33	105507	Male	4	Mohawk River	20	1	230			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	50	105524	Male	4	Mohawk River	20	1	230			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	97	105571	Male	4	Mohawk River	20	1	230			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	98	105572	Male	4	Mohawk River	20	1	230			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	137	105611	Male	4	Mohawk River	20	1	230			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	144	105618	Male	4	Mohawk River	20	1	230			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	154	105628	Male	4	Mohawk River	20	1	230			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	61	105747	Female	4	Mohawk River	16	1	230			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	69	105755	Female	4	Mohawk River	16	1	230			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	97	105783	Male	4	Mohawk River	20	1	230			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	139	105825	Male	4	Mohawk River	20	1	230			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	173	105860	Male	4	Mohawk River	20	1	230			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	174	105861	Male	4	Mohawk River	20	1	230			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	197	105884	Male	4	Mohawk River	20	1	230			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	205	105892	Male	4	Mohawk River	20	1	230			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	4	105973	Female	4	Mohawk River	16	1	230			1	1	5/28/1999	5/28/1999	30	0.5	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	5	105997	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	20	107112	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	37	107129	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	98	107220	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	114	107236	Female	4	Mohawk River	16	1	230			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	155	107527	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	284	107654	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	295	107665	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	296	107666	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	25	107024	Female	4	Mohawk River	16	1	230			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	27	107026	Female	4	Mohawk River	16	1	230			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	51	107050	Undetermined	4	Mohawk River	24	1	230			4	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	71	107070	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	91	107090	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	190	107339	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	198	107347	Female	4	Mohawk River	16	1	230			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	225	107374	Undetermined	4	Mohawk River	24	1	230			4	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	244	107393	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	259	107408	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	266	107415	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	368	107715	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	422	107769	Female	4	Mohawk River	16	1	230			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	436	107782	Male	4	Mohawk River	20	1	230			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	8		Male	4	Mohawk River	20	1	230	90.7	84.2	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	68	107797	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	86	107813	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	92	107819	Female	4	Mohawk River	16	1	230			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	114	107841	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	126	107853	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	155	107882	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	196	107921	Female	4	Mohawk River	16	1	230			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	211	107936	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	220	107945	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	235	107960	Female	4	Mohawk River	16	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	259	107982	Female	4	Mohawk River	16	1	230			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	275	107997	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	304	110376	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	382	110453	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	398	110469	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	429	110499	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	460		Male	4	Mohawk River	20	1	230			2	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	464	110529	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	473	110538	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	478	110543	Female	4	Mohawk River	16	1	230			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	12	110012	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	23	110023	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	64	110064	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	103	110103	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	116	110116	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	137	110137	Female	4	Mohawk River	16	1	230			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	143	110143	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	187	110187	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	248	110248	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	264	110264	Female	4	Mohawk River	16	1	230			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	283	110283	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	308	110308	Male	4	Mohawk River	20	1	230			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	93	110801	Female	4	Mohawk River	16	1	230			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	136	110842	Male	4	Mohawk River	20	1	230			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	152	110858	Male	4	Mohawk River	20	1	230			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	171		Male	4	Mohawk River	20	1	230			2	6	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	187	110891	Undetermined	4	Mohawk River	24	1	230			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	191	110895	Male	4	Mohawk River	20	1	230			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	202	110906	Male	4	Mohawk River	20	1	230			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	210	110914	Male	4	Mohawk River	20	1	230			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	227	110931	Male	4	Mohawk River	20	1	230			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	27	110964	Male	4	Mohawk River	20	1	230			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	73	110559	Male	4	Mohawk River	20	1	230			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	101	110586	Male	4	Mohawk River	20	1	230			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	143	110626	Undetermined	4	Mohawk River	24	1	230			4	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	151	110634	Undetermined	4	Mohawk River	24	1	230			4	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	155	110638	Male	4	Mohawk River	20	1	230			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	13	111013	Male	4	Mohawk River	20	1	230			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	37		Female	4	Mohawk River	16	1	230			3	6	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	89	111083	Male	4	Mohawk River	20	1	230			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	194	111183	Male	4	Mohawk River	20	1	230			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	209	111197	Male	4	Mohawk River	20	1	230			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	220	111207	Male	4	Mohawk River	20	1	230			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	248	111234	Female	4	Mohawk River	16	1	230			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	253	111238	Female	4	Mohawk River	16	1	230			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	258	111243	Undetermined	4	Mohawk River	24	1	230			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	260	111245	Male	4	Mohawk River	20	1	230			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	264	111249	Male	4	Mohawk River	20	1	230			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	266	111251	Male	4	Mohawk River	20	1	230			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	277	111262	Male	4	Mohawk River	20	1	230			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	298	111283	Female	4	Mohawk River	16	1	230			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	7	108007	Female	4	Mohawk River	16	1	230			1	1	6/7/1999	6/7/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	9	108019	Male	4	Mohawk River	20	1	230			2	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	6	108054	Female	4	Mohawk River	16	1	230			1	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	28		Male	4	Mohawk River	20	1	230			2	6	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	9	110676	Male	4	Mohawk River	20	1	230			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	16	110681	Male	4	Mohawk River	20	1	230			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	27	110747	Male	4	Mohawk River	20	1	230			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	51	111330	Male	4	Mohawk River	20	1	230			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	9		Male	4	Mohawk River	20	1	230			2	6	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	11	111338	Male	4	Mohawk River	20	1	230			2	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	31	111357	Undetermined	4	Mohawk River	24	1	230			4	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	17	111379	Male	4	Mohawk River	20	1	230			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	21	111383	Male	4	Mohawk River	20	1	230			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	22	111384	Male	4	Mohawk River	20	1	230			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	27	111388	Male	4	Mohawk River	20	1	230			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	31		Male	4	Mohawk River	20	1	230			2	6	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	56	111415	Female	4	Mohawk River	16	1	230			1	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	85		Male	4	Mohawk River	20	1	230			2	6	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	87	111441	Male	4	Mohawk River	20	1	230			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	91	111445	Male	4	Mohawk River	20	1	230			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	96	111450	Male	4	Mohawk River	20	1	230			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	27		Male	4	Mohawk River	20	1	230	80.7	76.5	2	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	2	111547	Undetermined	4	Mohawk River	24	1	230			4	1	6/8/1999	6/8/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	5	111550	Male	4	Mohawk River	20	1	230			2	1	6/8/1999	6/8/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	7	111552	Male	4	Mohawk River	20	1	230			2	1	6/8/1999	6/8/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	3		Male	4	Mohawk River	20	1	230			2	6	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	9
Blueback Herring	8		Male	4	Mohawk River	20	1	230	87.4	75.9	2	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	25		Male	4	Mohawk River	20	1	230			2	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	3		Male	4	Mohawk River	20	1	230			2	6	6/17/1999	6/17/1999	45	0.75	Hours	Scap net/Lift net	44	Schoharie Region	3	61	3	
Blueback Herring	3		Male	4	Mohawk River	20	1	230	90.4	85.3	3	3	6/21/1999	6/21/1999	60	1	Hours	Angling	43	Amsterdam Region	2	39	3	
Blueback Herring	16		Male	4	Mohawk River	20	1	230	82.1	79.2	3	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	19		Male	4	Mohawk River	20	1	230	82.3	78.5	2	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	21		Male	4	Mohawk River	20	1	230	91.5	87.7	2	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	22		Male	4	Mohawk River	20	1	230	91	86.9	2	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	7		Male	4	Mohawk River	20	1	230	89.4	84.2	2	3	6/22/1999	6/22/1999	20	0.333333333	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	1		Male	4	Mohawk River	20	1	230	77.9	74.5	2	3	6/30/1999	6/30/1999	130	2.166666667	Hours	Angling	44	Schoharie Region	5	64	3	9
Blueback Herring	15		Male	4	Mohawk River	20	1	230	90.3	89.2	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	21		Male	4	Mohawk River	20	1	230	91.8	89.6	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	34		Male	4	Mohawk River	20	1	230	89.6	86.9	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	38		Female	4	Mohawk River	16	1	230	90.4	86.6	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	43		Male	4	Mohawk River	20	1	230	95.3	92.1	2	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	341		Male	4	Mohawk River	20	1	230			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	20		Male	4	Mohawk River	20	1	230			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	96		Male	4	Mohawk River	20	1	230			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	55		Male	4	Mohawk River	20	1	230	104.3	92.4	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	22		Male	4	Mohawk River	20	1	230			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	37	100403	Male	4	Mohawk River	20	1	231			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	81	100447	Male	4	Mohawk River	20	1	231			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	111		Female	4	Mohawk River	16	1	231	111.1	89.6	1	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	69	100535	Male	4	Mohawk River	20	1	231			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	5	100561	Undetermined	4	Mohawk River	24	1	231			4	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	17	100573	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	23	100579	Undetermined	4	Mohawk River	24	1	231			3	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	40	100596	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	84	100639	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	82	100721	Female	4	Mohawk River	16	1	231			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	126	100763	Male	4	Mohawk River	20	1	231			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	148	100784	Male	4	Mohawk River	20	1	231			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	151	100787	Female	4	Mohawk River	16	1	231			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	168	100802	Female	4	Mohawk River	16	1	231			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	29	100905	Female	4	Mohawk River	16	1	231			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	37	100912	Female	4	Mohawk River	16	1	231			3	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	58	100932	Male	4	Mohawk River	20	1	231			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	77	100948	Male	4	Mohawk River	20	1	231			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	81		Male	4	Mohawk River	20	1	231			2	6	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	158	109016	Undetermined	4	Mohawk River	24	1	231			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	177	109035	Male	4	Mohawk River	20	1	231			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	262		Male	4	Mohawk River	20	1	231	82.6	80.7	2	3	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	7	109119	Male	4	Mohawk River	20	1	231			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	32	109158	Female	4	Mohawk River	16	1	231			1	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	23	101091	Male	4	Mohawk River	20	1	231			2	1	5/12/1999	5/12/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	9	101102	Male	4	Mohawk River	20	1	231			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	32	101125	Male	4	Mohawk River	20	1	231			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	65	101158	Female	4	Mohawk River	16	1	231			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	96	101189	Male	4	Mohawk River	20	1	231			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	115	101325	Male	4	Mohawk River	20	1	231			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	182	101392	Male	4	Mohawk River	20	1	231			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	17	104017	Female	4	Mohawk River	16	1	231			1	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	14		Male	4	Mohawk River	20	1	231			2	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	24		Female	4	Mohawk River	16	1	231			1	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	70	104202	Male	4	Mohawk River	20	1	231			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	25	104228	Male	4	Mohawk River	20	1	231			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	49	104252	Male	4	Mohawk River	20	1	231			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	72	104275	Male	4	Mohawk River	20	1	231			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	77	104280	Male	4	Mohawk River	20	1	231			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	129	104332	Male	4	Mohawk River	20	1	231			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	168	104371	Male	4	Mohawk River	20	1	231			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	253	104456	Male	4	Mohawk River	20	1	231			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	262	104465	Male	4	Mohawk River	20	1	231			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	293	104496	Male	4	Mohawk River	20	1	231			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	315	104518	Male	4	Mohawk River	20	1	231			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	45		Male	4	Mohawk River	20	1	231	94.8	85.8	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	56		Male	4	Mohawk River	20	1	231	102.8	90.8	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	10	104623	Male	4	Mohawk River	20	1	231			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	43	104656	Male	4	Mohawk River	20	1	231			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	44	104657	Female	4	Mohawk River	16	1	231			1	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	69	104682	Female	4	Mohawk River	16	1	231			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	101	104714	Male	4	Mohawk River	20	1	231			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	109	104722	Male	4	Mohawk River	20	1	231			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	2	104737	Male	4	Mohawk River	20	1	231			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	15	104946	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	17	104948	Female	4	Mohawk River	16	1	231			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	23	104954	Female	4	Mohawk River	16	1	231			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	55	104986	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	80	106040	Female	4	Mohawk River	16	1	231			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	131	106062	Female	4	Mohawk River	16	1	231			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	149	106080	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	173	106104	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	186	106117	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	252	106184	Female	4	Mohawk River	16	1	231			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	299	106231	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	380	106312	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	392	106324	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	425	106358	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7

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SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	465	106398	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	491	106424	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	497	106430	Female	4	Mohawk River	16	1	231			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	7	106448	Male	4	Mohawk River	20	1	231			2	1	6/3/1999	6/3/1999	60	1	Hours	Angling	43	Amsterdam Region	3	38	3	7
Blueback Herring	30	106485	Male	4	Mohawk River	20	1	231			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	25	106563	Male	4	Mohawk River	20	1	231			2	9	6/4/1999	6/4/1999	15			Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	11	106576	Male	4	Mohawk River	20	1	231			2	1	6/7/1999	6/7/1999	98	1.633333333	Hours	Angling	42	Schenectady Region	4	23	3	6
Blueback Herring	11	106600	Male	4	Mohawk River	20	1	231			2	1	6/9/1999	6/9/1999	63	1.05	Hours	Angling	44	Schoharie Region	2	52	3	1
Blueback Herring	12	106619	Undetermined	4	Mohawk River	24	1	231			4	1	6/10/1999	6/10/1999	75	1.25	Hours	Angling	43	Amsterdam Region	3	28	3	7
Blueback Herring	11		Male	4	Mohawk River	20	1	231	91.2	85.8	3	3	6/16/1999	6/16/1999	60	1	Hours	Angling	44	Schoharie Region	3	44	3	
Blueback Herring	16		Male	4	Mohawk River	20	1	231	90.4	78.7	2	3	6/16/1999	6/16/1999	60	1	Hours	Angling	44	Schoharie Region	3	44	3	
Blueback Herring	25	105196	Male	4	Mohawk River	20	1	231			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	46	105217	Female	4	Mohawk River	16	1	231			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	90	105261	Male	4	Mohawk River	20	1	231			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	113	105284	Male	4	Mohawk River	20	1	231			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	138	105309	Male	4	Mohawk River	20	1	231			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	151	105322	Male	4	Mohawk River	20	1	231			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	227	105398	Male	4	Mohawk River	20	1	231			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	76	105550	Male	4	Mohawk River	20	1	231			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	106	105580	Male	4	Mohawk River	20	1	231			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	122	105596	Male	4	Mohawk River	20	1	231			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	128	105602	Male	4	Mohawk River	20	1	231			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	25	105712	Male	4	Mohawk River	20	1	231			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	30	105717	Male	4	Mohawk River	20	1	231			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	31	105718	Male	4	Mohawk River	20	1	231			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	70	105756	Male	4	Mohawk River	20	1	231			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	112	105798	Male	4	Mohawk River	20	1	231			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	14	105983	Female	4	Mohawk River	16	1	231			1	1	5/28/1999	5/28/1999	30	0.5	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	17	105986	Male	4	Mohawk River	20	1	231			2	1	5/28/1999	5/28/1999	30	0.5	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	22	107114	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	36	107128	Female	4	Mohawk River	16	1	231			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	147	107519	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	166	107537	Female	4	Mohawk River	16	1	231			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	168	107539	Female	4	Mohawk River	16	1	231			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	197	107568	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	220	107591	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	266	107636	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	293	107663	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	300	107670	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	308	107678	Female	4	Mohawk River	16	1	231			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	6	107006	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	11	107011	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	61	107060	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	63	107062	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	87	107086	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	174	107323	Female	4	Mohawk River	16	1	231			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	189	107338	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	281	107430	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	296	107445	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	334	107483	Undetermined	4	Mohawk River	24	1	231			4	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	343	107492	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	350	107499	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	372	107719	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	411	107758	Male	4	Mohawk River	20	1	231			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	120	107847	Male	4	Mohawk River	20	1	231			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	124	107851	Male	4	Mohawk River	20	1	231			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	143	107870	Male	4	Mohawk River	20	1	231			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	159	107885	Male	4	Mohawk River	20	1	231			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	169	107894	Male	4	Mohawk River	20	1	231			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	206	107931	Male	4	Mohawk River	20	1	231			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	208	107933	Male	4	Mohawk River	20	1	231			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	226	107951	Male	4	Mohawk River	20	1	231			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	309	110381	Female	4	Mohawk River	16	1	231			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	340	110411	Male	4	Mohawk River	20	1	231			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	369	110440	Male	4	Mohawk River	20	1	231			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	418	110488	Male	4	Mohawk River	20	1	231			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	427	110497	Male	4	Mohawk River	20	1	231			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	470	110535	Male	4	Mohawk River	20	1	231			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	482	110547	Female	4	Mohawk River	16	1	231			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	14	110014	Male	4	Mohawk River	20	1	231			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	15	110015	Male	4	Mohawk River	20	1	231			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	71	110071	Male	4	Mohawk River	20	1	231			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	113	110113	Male	4	Mohawk River	20	1	231			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	132	110132	Male	4	Mohawk River	20	1	231			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	136	110136	Male	4	Mohawk River	20	1	231			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	138	110138	Male	4	Mohawk River	20	1	231			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	182	110182	Male	4	Mohawk River	20	1	231			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	194	110194	Female	4	Mohawk River	16	1	231			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	203	110203	Female	4	Mohawk River	16	1	231			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	204	110204	Male	4	Mohawk River	20	1	231			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	222	110222	Female	4	Mohawk River	16	1	231			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	237	110237	Undetermined	4	Mohawk River	24	1	231			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	266	110266	Male	4	Mohawk River	20	1	231			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	267	110267	Male	4	Mohawk River	20	1	231			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	272	110272	Female	4	Mohawk River	16	1	231			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	4	110313	Male	4	Mohawk River	20	1	231			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	38	110347	Male	4	Mohawk River	20	1	231			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	42	110751	Male	4	Mohawk River	20	1	231			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	50	110759	Male	4	Mohawk River	20	1	231			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	54	110763	Male	4	Mohawk River	20	1	231			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	81	110789	Male	4	Mohawk River	20	1	231			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	125	110832	Female	4	Mohawk River	16	1	231			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	180	110884	Male	4	Mohawk River	20	1	231			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	182	110886	Female	4	Mohawk River	16	1	231			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	209	110913	Female	4	Mohawk River	16	1	231			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	76	110561	Female	4	Mohawk River	16	1	231			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	90	110575	Male	4	Mohawk River	20	1	231			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	94	110579	Undetermined	4	Mohawk River	24	1	231			4	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	95	110580	Male	4	Mohawk River	20	1	231			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	117	110602	Male	4	Mohawk River	20	1	231			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	153	110636	Undetermined	4	Mohawk River	24	1	231			4	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	163	110646	Male	4	Mohawk River	20	1	231			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	18	111018	Male	4	Mohawk River	20	1	231			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	137	111128	Male	4	Mohawk River	20	1	231			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	147	111136	Male	4	Mohawk River	20	1	231			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	196	111185	Male	4	Mohawk River	20	1	231			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	207	111196	Male	4	Mohawk River	20	1	231			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	278	111263	Male	4	Mohawk River	20	1	231			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	14	108061	Undetermined	4	Mohawk River	24	1	231			4	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	24	108071	Undetermined	4	Mohawk River	24	1	231			4	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	30	108076	Male	4	Mohawk River	20	1	231			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	35		Male	4	Mohawk River	20	1	231			2	6	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	49	108092	Undetermined	4	Mohawk River	24	1	231			4	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	2	110670	Female	4	Mohawk River	16	1	231			1	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	49	110712	Male	4	Mohawk River	20	1	231			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	7	110727	Undetermined	4	Mohawk River	24	1	231			4	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	12	110732	Male	4	Mohawk River	20	1	231			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	6		Male	4	Mohawk River	20	1	231			2	6	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	9	111372	Male	4	Mohawk River	20	1	231			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	52	111411	Male	4	Mohawk River	20	1	231			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	88	111442	Male	4	Mohawk River	20	1	231			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	90	111444	Male	4	Mohawk River	20	1	231			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	15		Female	4	Mohawk River	16	1	231	90	80.5	1	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	41		Male	4	Mohawk River	20	1	231	91.7	81.5	2	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	2		Male	4	Mohawk River	20	1	231			3	6	6/7/1999	6/7/1999	20	0.333333333	Hours	Scap net/Lift net	41	Waterford Region	2	1	3	9
Blueback Herring	45	111544	Male	4	Mohawk River	20	1	231			2	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	11		Male	4	Mohawk River	20	1	231	89.7	82.8	2	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	39		Female	4	Mohawk River	16	1	231	102	81.9	1	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	4		Male	4	Mohawk River	20	1	231	83.6	77.4	2	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	11		Male	4	Mohawk River	20	1	231	85.2	77.9	2	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	16		Male	4	Mohawk River	20	1	231			2	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	21		Female	4	Mohawk River	16	1	231			1	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	3		Male	4	Mohawk River	20	1	231			2	6	6/17/1999	6/17/1999	60	1	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	6		Female	4	Mohawk River	16	1	231	97.5	85.4	1	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	29		Male	4	Mohawk River	20	1	231	96.6	86.8	2	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	39		Male	4	Mohawk River	20	1	231	79.4	74.2	2	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	5		Male	4	Mohawk River	20	1	231	90.1	81.9	2	3	6/22/1999	6/22/1999	20	0.333333333	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	9		Male	4	Mohawk River	20	1	231	87.4	83.4	2	3	6/30/1999	6/30/1999	130	2.166666667	Hours	Angling	44	Schoharie Region	5	64	3	9
Blueback Herring	10		Male	4	Mohawk River	20	1	231	75.1	72.1	2	3	6/30/1999	6/30/1999	130	2.166666667	Hours	Angling	44	Schoharie Region	5	64	3	9
Blueback Herring	6		Male	4	Mohawk River	20	1	231	82.5	79.3	2	3	7/1/1999	7/1/1999	200	3.333333333	Hours	Angling	44	Schoharie Region	5	64	3	9
Blueback Herring	52	116089	Male	4	Mohawk River	20	1	231			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	56	116093	Male	4	Mohawk River	20	1	231			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	111	116148	Male	4	Mohawk River	20	1	231			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	124	116161	Male	4	Mohawk River	20	1	231			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	241	116278	Male	4	Mohawk River	20	1	231			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	36		Male	4	Mohawk River	20	1	231			2	6	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	77	117647	Male	4	Mohawk River	20	1	231			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	41		Male	4	Mohawk River	20	1	231	97.4	87.5	2	3	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	8	117846	Male	4	Mohawk River	20	1	231			2	1	6/20/2000	6/20/2000	130	4.333333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	2	117848	Male	4	Mohawk River	20	1	231			2	1	6/20/2000	6/20/2000	75	2.5	Hours	Angling	42	Schenectady Region		29	3	9
Blueback Herring	120		Male	4	Mohawk River	20	1	231			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	76		Male	4	Mohawk River	20	1	231			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	87		Male	4	Mohawk River	20	1	231			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	8	120605	Male	4	Mohawk River	20	1	231			2	1	5/29/2001	5/29/2001	13	0.216666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	13	100379	Male	4	Mohawk River	20	1	232			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	79	100445	Male	4	Mohawk River	20	1	232			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	104		Female	4	Mohawk River	16	1	232	115.5	95.8	1	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	47	100513	Female	4	Mohawk River	16	1	232			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	39	100595	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	73	100629	Female	4	Mohawk River	16	1	232			1	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	6	100651	Male	4	Mohawk River	20	1	232			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	22	100667	Male	4	Mohawk River	20	1	232			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	52	100695	Male	4	Mohawk River	20	1	232			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	59	100702	Male	4	Mohawk River	20	1	232			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	64	100705	Male	4	Mohawk River	20	1	232			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	94	100733	Undetermined	4	Mohawk River	24	1	232			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	125	100762	Male	4	Mohawk River	20	1	232			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	131	100768	Male	4	Mohawk River	20	1	232			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	219	100843	Male	4	Mohawk River	20	1	232			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	14	100890	Male	4	Mohawk River	20	1	232			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	16	100892	Male	4	Mohawk River	20	1	232			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	31	100907	Male	4	Mohawk River	20	1	232			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	66	100937	Female	4	Mohawk River	16	1	232			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	87	100954	Male	4	Mohawk River	20	1	232			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	92		Male	4	Mohawk River	20	1	232			2	6	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	112	100976	Female	4	Mohawk River	16	1	232			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	170	109028	Male	4	Mohawk River	20	1	232			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	179	109037	Male	4	Mohawk River	20	1	232			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	219	109073	Female	4	Mohawk River	16	1	232			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	265		Male	4	Mohawk River	20	1	232	86.2	81.3	2	3	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	16	109122	Undetermined	4	Mohawk River	24	1	232			3	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	11	109137	Male	4	Mohawk River	20	1	232			2	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	22	109148	Undetermined	4	Mohawk River	24	1	232			4	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	17	101059	Male	4	Mohawk River	20	1	232			2	1	5/11/1999	5/11/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	49	101142	Male	4	Mohawk River	20	1	232			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	59	101152	Male	4	Mohawk River	20	1	232			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	91	101184	Male	4	Mohawk River	20	1	232			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	100	101193	Male	4	Mohawk River	20	1	232			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	112	101205	Female	4	Mohawk River	16	1	232			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	29	101239	Male	4	Mohawk River	20	1	232			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	51	101261	Male	4	Mohawk River	20	1	232			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	88	101298	Male	4	Mohawk River	20	1	232			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	111	101321	Female	4	Mohawk River	16	1	232			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	162	101372	Male	4	Mohawk River	20	1	232			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	198	101408	Male	4	Mohawk River	20	1	232			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	19	101486	Male	4	Mohawk River	20	1	232			2	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	55		Male	4	Mohawk River	20	1	232	108.8	94.7	2	3	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	23	104023	Male	4	Mohawk River	20	1	232			2	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	28	104028	Male	4	Mohawk River	20	1	232			2	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	13	104145	Female	4	Mohawk River	16	1	232			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	39	104171	Male	4	Mohawk River	20	1	232			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	99	104302	Male	4	Mohawk River	20	1	232			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	134	104337	Male	4	Mohawk River	20	1	232			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	158	104361	Male	4	Mohawk River	20	1	232			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	166	104369	Male	4	Mohawk River	20	1	232			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	192	104395	Male	4	Mohawk River	20	1	232			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	291	104494	Male	4	Mohawk River	20	1	232			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	362	104565	Male	4	Mohawk River	20	1	232			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	18	104631	Male	4	Mohawk River	20	1	232			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	72	104685	Female	4	Mohawk River	16	1	232			1	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	79	104692	Male	4	Mohawk River	20	1	232			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	92	104705	Male	4	Mohawk River	20	1	232			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	16	104794	Male	4	Mohawk River	20	1	232			2	1	5/26/1999	5/26/1999	100	1.666666667	Hours	Angling	43	Amsterdam Region	2	34	3	
Blueback Herring	19	104797	Male	4	Mohawk River	20	1	232			2	1	5/26/1999	5/26/1999	100	1.666666667	Hours	Angling	43	Amsterdam Region	2	34	3	
Blueback Herring	9	104811	Male	4	Mohawk River	20	1	232			2	1	5/27/1999	5/27/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	15	104817	Male	4	Mohawk River	20	1	232			2	1	5/27/1999	5/27/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	20	104848	Female	4	Mohawk River	16	1	232			3	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	58	104887	Male	4	Mohawk River	20	1	232			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	79	104908	Female	4	Mohawk River	16	1	232			3	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	86	104915	Male	4	Mohawk River	20	1	232			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	94	104925	Male	4	Mohawk River	20	1	232			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	4	104935	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	6	104937	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	24	104955	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	27	104958	Female	4	Mohawk River	16	1	232			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	32	104963	Female	4	Mohawk River	16	1	232			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	62	104993	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	73	106047	Female	4	Mohawk River	16	1	232			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	97	106023	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	108	106012	Female	4	Mohawk River	16	1	232			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	231	106163	Female	4	Mohawk River	16	1	232			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	235	106167	Female	4	Mohawk River	16	1	232			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	297	106229	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	298	106230	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	309	106241	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	339	106271	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	361	106293	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	416	106349	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	423	106356	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	435	106368	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	478	106411	Female	4	Mohawk River	16	1	232			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	3	106437	Male	4	Mohawk River	20	1	232			2	1	6/2/1999	6/2/1999	61	1.016666667	Hours	Angling	45	Little Falls River	2	78	3	
Blueback Herring	11	106452	Male	4	Mohawk River	20	1	232			2	1	6/3/1999	6/3/1999	60	1	Hours	Angling	43	Amsterdam Region	3	38	3	7
Blueback Herring	5	106460	Male	4	Mohawk River	20	1	232			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	39	106494	Female	4	Mohawk River	16	1	232			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	7	106503	Female	4	Mohawk River	16	1	232			1	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	17	106513	Male	4	Mohawk River	20	1	232			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	29	106525	Male	4	Mohawk River	20	1	232			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	42	106538	Male	4	Mohawk River	20	1	232			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	4		Male	4	Mohawk River	20	1	232			2	9	6/4/1999	6/4/1999	15			Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	28		Male	4	Mohawk River	20	1	232			2	9	6/4/1999	6/4/1999	15			Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	8	106597	Female	4	Mohawk River	16	1	232			1	1	6/9/1999	6/9/1999	63	1.05	Hours	Angling	44	Schoharie Region	2	52	3	1
Blueback Herring	18	106626	Undetermined	4	Mohawk River	24	1	232			4	1	6/10/1999	6/10/1999	75	1.25	Hours	Angling	43	Amsterdam Region	3	28	3	7
Blueback Herring	1		Male	4	Mohawk River	20	1	232	84.9	82	3	3	6/15/1999	6/15/1999				Angling	43	Amsterdam Region	2	28	3	
Blueback Herring	28		Male	4	Mohawk River	20	1	232	91.9	88.7	2	3	6/17/1999	6/17/1999	90	1.5	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	13	105184	Male	4	Mohawk River	20	1	232			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	36	105207	Female	4	Mohawk River	16	1	232			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	54	105225	Male	4	Mohawk River	20	1	232			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	144	105315	Male	4	Mohawk River	20	1	232			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	201	105372	Male	4	Mohawk River	20	1	232			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	233	105404	Male	4	Mohawk River	20	1	232			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	303	105474	Male	4	Mohawk River	20	1	232			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	57	105531	Male	4	Mohawk River	20	1	232			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	79	105553	Male	4	Mohawk River	20	1	232			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	160	105633	Female	4	Mohawk River	16	1	232			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	17	105704	Male	4	Mohawk River	20	1	232			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	35	105722	Male	4	Mohawk River	20	1	232			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	37	105724	Male	4	Mohawk River	20	1	232			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	116	105802	Male	4	Mohawk River	20	1	232			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	152	105839	Male	4	Mohawk River	20	1	232			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	161	105848	Male	4	Mohawk River	20	1	232			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	26	107118	Female	4	Mohawk River	16	1	232			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	51	107143	Female	4	Mohawk River	16	1	232			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	135	107507	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	167	107538	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	171	107542	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	184	107555	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	217	107588	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	225	107596	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	231	107602	Female	4	Mohawk River	16	1	232			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	290	107660	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	294	107664	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	320	107690	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	12	107012	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	30	107029	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	34	107033	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	131	107279	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	196	107345	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	220	107369	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	222	107371	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	340	107489	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	447	107793	Male	4	Mohawk River	20	1	232			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	31		Male	4	Mohawk River	20	1	232	98.7	90.8	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	46		Female	4	Mohawk River	16	1	232	108.3	88.7	1	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	82	107810	Male	4	Mohawk River	20	1	232			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	139	107866	Male	4	Mohawk River	20	1	232			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	145	107872	Male	4	Mohawk River	20	1	232			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	236	107961	Male	4	Mohawk River	20	1	232			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	269	107992	Female	4	Mohawk River	16	1	232			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	312	110384	Female	4	Mohawk River	16	1	232			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	344	110415	Male	4	Mohawk River	20	1	232			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	353	110424	Female	4	Mohawk River	16	1	232			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	356	110427	Male	4	Mohawk River	20	1	232			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	437	110507	Male	4	Mohawk River	20	1	232			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	445	110515	Male	4	Mohawk River	20	1	232			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	483	110548	Male	4	Mohawk River	20	1	232			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	120	110120	Male	4	Mohawk River	20	1	232			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	125	110125	Male	4	Mohawk River	20	1	232			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	157	110157	Male	4	Mohawk River	20	1	232			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	220	110220	Male	4	Mohawk River	20	1	232			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	227	110227	Male	4	Mohawk River	20	1	232			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	251	110251	Male	4	Mohawk River	20	1	232			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	258	110258	Female	4	Mohawk River	16	1	232			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	261	110261	Male	4	Mohawk River	20	1	232			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	274	110274	Male	4	Mohawk River	20	1	232			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	306	110306	Undetermined	4	Mohawk River	24	1	232			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	57	110766	Female	4	Mohawk River	16	1	232			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	64	110773	Male	4	Mohawk River	20	1	232			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	107	110814	Male	4	Mohawk River	20	1	232			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	144	110850	Undetermined	4	Mohawk River	24	1	232			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	150	110856	Male	4	Mohawk River	20	1	232			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	192	110896	Male	4	Mohawk River	20	1	232			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	208	110912	Female	4	Mohawk River	16	1	232			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	221	110925	Male	4	Mohawk River	20	1	232			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	122	110607	Male	4	Mohawk River	20	1	232			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	136	110620	Male	4	Mohawk River	20	1	232			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	149	110632	Male	4	Mohawk River	20	1	232			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	2	111002	Male	4	Mohawk River	20	1	232			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	26	111025	Male	4	Mohawk River	20	1	232			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	47	111043	Undetermined	4	Mohawk River	24	1	232			3	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	54	111050	Male	4	Mohawk River	20	1	232			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	72	111067	Male	4	Mohawk River	20	1	232			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	91	111085	Male	4	Mohawk River	20	1	232			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	121	111113	Male	4	Mohawk River	20	1	232			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	158	111147	Male	4	Mohawk River	20	1	232			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	187	111176	Male	4	Mohawk River	20	1	232			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	244	111230	Female	4	Mohawk River	16	1	232			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	265	111250	Male	4	Mohawk River	20	1	232			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	310	111295	Undetermined	4	Mohawk River	24	1	232			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	312	111297	Undetermined	4	Mohawk River	24	1	232			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	317	111302	Undetermined	4	Mohawk River	24	1	232			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	323	111308	Undetermined	4	Mohawk River	24	1	232			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	324	111309	Undetermined	4	Mohawk River	24	1	232			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	3	108003	Male	4	Mohawk River	20	1	232			2	1	6/7/1999	6/7/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	12	108022	Female	4	Mohawk River	16	1	232			1	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	18	108026	Female	4	Mohawk River	16	1	232			1	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	19	108027	Male	4	Mohawk River	20	1	232			2	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	32	108039	Female	4	Mohawk River	16	1	232			1	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	33	108040	Undetermined	4	Mohawk River	24	1	232			4	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	37	108044	Female	4	Mohawk River	16	1	232			1	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	2	108051	Male	4	Mohawk River	20	1	232			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	42	108086	Undetermined	4	Mohawk River	24	1	232			4	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	30	110695	Male	4	Mohawk River	20	1	232			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	16	110736	Male	4	Mohawk River	20	1	232			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	21	110741	Male	4	Mohawk River	20	1	232			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	38	111317	Male	4	Mohawk River	20	1	232			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	7	111335	Male	4	Mohawk River	20	1	232			2	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	34	111359	Undetermined	4	Mohawk River	24	1	232			4	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	36	111361	Male	4	Mohawk River	20	1	232			2	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	5	111368	Female	4	Mohawk River	16	1	232			1	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	7	111370	Male	4	Mohawk River	20	1	232			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	25		Male	4	Mohawk River	20	1	232			2	6	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	67	111425	Male	4	Mohawk River	20	1	232			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	11		Male	4	Mohawk River	20	1	232	83.6	79.9	2	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	16		Male	4	Mohawk River	20	1	232	95.3	87.4	2	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	19		Male	4	Mohawk River	20	1	232	95.8	88.6	2	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	27		Male	4	Mohawk River	20	1	232	82	78.7	2	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	15		Female	4	Mohawk River	16	1	232	89.1	82.5	1	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	22		Male	4	Mohawk River	20	1	232	88.2	81.2	2	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	

															Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	1		Male	4	Mohawk River	20	1	232			2	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	3		Male	4	Mohawk River	20	1	232	84.6	78.3	2	3	6/21/1999	6/21/1999	60	1	Hours	Angling	44	Schoharie Region	5	60	3	
Blueback Herring	1		Male	4	Mohawk River	20	1	232	87	82.5	2	3	6/21/1999	6/21/1999	60	1	Hours	Angling	43	Amsterdam Region	2	39	3	
Blueback Herring	31		Male	4	Mohawk River	20	1	232	86.4	82	2	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	10		Male	4	Mohawk River	20	1	232	82	79.3	2	3	6/30/1999	6/30/1999	110	1.833333333	Hours	Angling	44	Schoharie Region	5	64	3	9
Blueback Herring	33		Male	4	Mohawk River	20	1	232	82.9	80.3	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	75	115425	Male	4	Mohawk River	20	1	232			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	167	116204	Male	4	Mohawk River	20	1	232			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	239	116276	Male	4	Mohawk River	20	1	232			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	54	117624	Male	4	Mohawk River	20	1	232			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	112	117682	Male	4	Mohawk River	20	1	232			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	36		Male	4	Mohawk River	20	1	232	111.9	101.7	2	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	91	118201	Male	4	Mohawk River	20	1	232			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	59	118273	Male	4	Mohawk River	20	1	232			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	10	117869	Male	4	Mohawk River	20	1	232			2	1	6/21/2000	6/21/2000	310	10.33333333	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	112	121374	Undetermined	4	Mohawk River	24	1	232			4	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	47		Female	4	Mohawk River	16	1	232			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	58		Male	4	Mohawk River	20	1	232			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	68		Male	4	Mohawk River	20	1	232			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	26		Male	4	Mohawk River	20	1	232			2	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	71		Male	4	Mohawk River	20	1	232			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	5		Male	4	Mohawk River	20	1	232			2	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	7	100372	Male	4	Mohawk River	20	1	233			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	35	100401	Female	4	Mohawk River	16	1	233			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	61	100427	Male	4	Mohawk River	20	1	233			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	117		Male	4	Mohawk River	20	1	233	95.9	89.5	2	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	42	100508	Male	4	Mohawk River	20	1	233			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	75	100631	Female	4	Mohawk River	16	1	233			1	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	77		Female	4	Mohawk River	16	1	233			1	6	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	90	100645	Female	4	Mohawk River	16	1	233			3	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	75	100714	Male	4	Mohawk River	20	1	233			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	83	100722	Male	4	Mohawk River	20	1	233			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	111	100749	Female	4	Mohawk River	16	1	233			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	199		Female	4	Mohawk River	16	1	233			3	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	200	100824	Male	4	Mohawk River	20	1	233			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	6	100882	Undetermined	4	Mohawk River	24	1	233			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	18	100894	Female	4	Mohawk River	16	1	233			3	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	99	100963	Male	4	Mohawk River	20	1	233			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	210	109065	Female	4	Mohawk River	16	1	233			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	228	109082	Male	4	Mohawk River	20	1	233			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	232	109086	Male	4	Mohawk River	20	1	233			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	235	109089	Male	4	Mohawk River	20	1	233			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	256	109109	Male	4	Mohawk River	20	1	233			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	34		Female	4	Mohawk River	16	1	233			1	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	11	101104	Male	4	Mohawk River	20	1	233			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	106	101316	Male	4	Mohawk River	20	1	233			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	196	101406	Female	4	Mohawk River	16	1	233			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	213	101423	Male	4	Mohawk River	20	1	233			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	3	101470	Male	4	Mohawk River	20	1	233			2	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	6	101473	Female	4	Mohawk River	16	1	233			1	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	12	101479	Male	4	Mohawk River	20	1	233			2	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	18	101485	Male	4	Mohawk River	20	1	233			2	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	3	104003	Male	4	Mohawk River	20	1	233			2	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	11	104011	Male	4	Mohawk River	20	1	233			2	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	15	104049	Male	4	Mohawk River	20	1	233			2	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	42		Female	4	Mohawk River	16	1	233	116.3	99.3	1	3	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	3	104063	Male	4	Mohawk River	20	1	233			2	1	5/18/1999	5/18/1999	20	0.333333333	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	83	104286	Male	4	Mohawk River	20	1	233			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	92	104295	Male	4	Mohawk River	20	1	233			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	103	104306	Male	4	Mohawk River	20	1	233			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	160	104363	Male	4	Mohawk River	20	1	233			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	179	104382	Male	4	Mohawk River	20	1	233			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	197	104400	Male	4	Mohawk River	20	1	233			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	221	104424	Male	4	Mohawk River	20	1	233			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	231	104434	Male	4	Mohawk River	20	1	233			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	279	104482	Male	4	Mohawk River	20	1	233			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	5		Male	4	Mohawk River	20	1	233	89.2	83	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	76		Male	4	Mohawk River	20	1	233	98.6	92.4	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	13	104626	Male	4	Mohawk River	20	1	233			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	15	104628	Female	4	Mohawk River	16	1	233			1	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	8	104743	Male	4	Mohawk River	20	1	233			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	36	104864	Male	4	Mohawk River	20	1	233			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	19	104950	Male	4	Mohawk River	20	1	233			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	46	104977	Female	4	Mohawk River	16	1	233			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	57	104988	Female	4	Mohawk River	16	1	233			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	170	106101	Female	4	Mohawk River	16	1	233			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	181	106112	Female	4	Mohawk River	16	1	233			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	205	106137	Male	4	Mohawk River	20	1	233			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	227	106159	Female	4	Mohawk River	16	1	233			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	329	106261	Female	4	Mohawk River	16	1	233			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	345	106277	Female	4	Mohawk River	16	1	233			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	368	106300	Male	4	Mohawk River	20	1	233			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	444	106377	Female	4	Mohawk River	16	1	233			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	455	106388	Male	4	Mohawk River	20	1	233			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	469	106402	Male	4	Mohawk River	20	1	233			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	484	106417	Male	4	Mohawk River	20	1	233			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	487	106420	Male	4	Mohawk River	20	1	233			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	496	106429	Male	4	Mohawk River	20	1	233			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	500	106433	Male	4	Mohawk River	20	1	233			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	2	106441	Male	4	Mohawk River	20	1	233			2	1	6/2/1999	6/2/1999	60	1	Hours	Angling	44	Schoharie Region	2	60	3	1
Blueback Herring	28	106483	Male	4	Mohawk River	20	1	233			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	12	106508	Male	4	Mohawk River	20	1	233			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	36	106532	Male	4	Mohawk River	20	1	233			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	1	106551	Male	4	Mohawk River	20	1	233			2	9	6/4/1999	6/4/1999	15			Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	5	106570	Male	4	Mohawk River	20	1	233			2	1	6/7/1999	6/7/1999	98	1.633333333	Hours	Angling	42	Schenectady Region	4	23	3	6
Blueback Herring	1	106607	Undetermined	4	Mohawk River	24	1	233			4	1	6/10/1999	6/10/1999	75	1.25	Hours	Angling	43	Amsterdam Region	3	28	3	7
Blueback Herring	1		Male	4	Mohawk River	20	1	233	84.1	81.3	3	3	6/16/1999	6/16/1999	60	1	Hours	Angling	44	Schoharie Region	3	44	3	
Blueback Herring	5		Male	4	Mohawk River	20	1	233	82.5	77.9	2	3	6/16/1999	6/16/1999	60	1	Hours	Angling	44	Schoharie Region	3	44	3	
Blueback Herring	18		Male	4	Mohawk River	20	1	233	82.6	78	3	3	6/16/1999	6/16/1999	60	1	Hours	Angling	44	Schoharie Region	3	44	3	
Blueback Herring	21	105192	Male	4	Mohawk River	20	1	233			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	53	105224	Male	4	Mohawk River	20	1	233			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	195	105366	Male	4	Mohawk River	20	1	233			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	242	105413	Male	4	Mohawk River	20	1	233			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	17	105491	Male	4	Mohawk River	20	1	233			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	47	105521	Male	4	Mohawk River	20	1	233			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	61	105535	Male	4	Mohawk River	20	1	233			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	62	105536	Male	4	Mohawk River	20	1	233			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	68	105542	Male	4	Mohawk River	20	1	233			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	119	105593	Female	4	Mohawk River	16	1	233			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	125	105599	Male	4	Mohawk River	20	1	233			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	133	105607	Male	4	Mohawk River	20	1	233			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	148	105622	Male	4	Mohawk River	20	1	233			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	13	105700	Male	4	Mohawk River	20	1	233			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	20	105707	Male	4	Mohawk River	20	1	233			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	36	105723	Female	4	Mohawk River	16	1	233			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	42	105729	Female	4	Mohawk River	16	1	233			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	54	105740	Male	4	Mohawk River	20	1	233			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	93	105779	Female	4	Mohawk River	16	1	233			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	144	105831	Male	4	Mohawk River	20	1	233			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	146	105833	Male	4	Mohawk River	20	1	233			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	149	105836	Male	4	Mohawk River	20	1	233			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	23	107115	Female	4	Mohawk River	16	1	233			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	40	107132	Male	4	Mohawk River	20	1	233			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	75	107167	Female	4	Mohawk River	16	1	233			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	94	107216	Female	4	Mohawk River	16	1	233			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	113	107235	Male	4	Mohawk River	20	1	233			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	192	107563	Male	4	Mohawk River	20	1	233			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	228	107599	Female	4	Mohawk River	16	1	233			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	238	107608	Female	4	Mohawk River	16	1	233			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	253	107623	Female	4	Mohawk River	16	1	233			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	258	107628	Female	4	Mohawk River	16	1	233			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	261	107631	Male	4	Mohawk River	20	1	233			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	311	107681	Male	4	Mohawk River	20	1	233			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	326	107696	Male	4	Mohawk River	20	1	233			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	129	107277	Male	4	Mohawk River	20	1	233			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	140	107289	Male	4	Mohawk River	20	1	233			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	187	107336	Female	4	Mohawk River	16	1	233			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	197	107346	Male	4	Mohawk River	20	1	233			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	223	107372	Female	4	Mohawk River	16	1	233			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	231	107380	Male	4	Mohawk River	20	1	233			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	280	107429	Male	4	Mohawk River	20	1	233			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	288	107437	Female	4	Mohawk River	16	1	233			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	314	107463	Male	4	Mohawk River	20	1	233			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	345	107494	Male	4	Mohawk River	20	1	233			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	434	107780	Male	4	Mohawk River	20	1	233			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	109	107836	Male	4	Mohawk River	20	1	233			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	136	107863	Male	4	Mohawk River	20	1	233			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	160	107886	Undetermined	4	Mohawk River	24	1	233			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	171	107896	Male	4	Mohawk River	20	1	233			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	182	107907	Male	4	Mohawk River	20	1	233			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	212	107937	Male	4	Mohawk River	20	1	233			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	216	107941	Male	4	Mohawk River	20	1	233			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	240	107965	Male	4	Mohawk River	20	1	233			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	404	110475	Male	4	Mohawk River	20	1	233			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	465	110530	Female	4	Mohawk River	16	1	233			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	38	110038	Male	4	Mohawk River	20	1	233			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	68	110068	Male	4	Mohawk River	20	1	233			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	74	110074	Male	4	Mohawk River	20	1	233			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	83	110083	Female	4	Mohawk River	16	1	233			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	110	110110	Male	4	Mohawk River	20	1	233			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	163	110163	Female	4	Mohawk River	16	1	233			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	171	110171	Female	4	Mohawk River	16	1	233			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	177	110177	Female	4	Mohawk River	16	1	233			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	179	110179	Male	4	Mohawk River	20	1	233			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	188	110188	Female	4	Mohawk River	16	1	233			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	243	110243	Male	4	Mohawk River	20	1	233			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	260	110260	Female	4	Mohawk River	16	1	233			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	6	110315	Female	4	Mohawk River	16	1	233			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	28	110337	Male	4	Mohawk River	20	1	233			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	73		Female	4	Mohawk River	16	1	233			1	6	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	74	110782	Male	4	Mohawk River	20	1	233			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	88	110796	Male	4	Mohawk River	20	1	233			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	89	110797	Female	4	Mohawk River	16	1	233			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	90	110798	Undetermined	4	Mohawk River	24	1	233			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	118	110825	Female	4	Mohawk River	16	1	233			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	155	110861	Male	4	Mohawk River	20	1	233			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	157	110863	Male	4	Mohawk River	20	1	233			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	158	110864	Male	4	Mohawk River	20	1	233			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	225	110929	Male	4	Mohawk River	20	1	233			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	17	110954	Male	4	Mohawk River	20	1	233			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	25	110962	Male	4	Mohawk River	20	1	233			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	44	110980	Female	4	Mohawk River	16	1	233			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	53	110989	Male	4	Mohawk River	20	1	233			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	63	110999	Female	4	Mohawk River	16	1	233			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	65		Male	4	Mohawk River	20	1	233			2	6	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	93	110578	Female	4	Mohawk River	16	1	233			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	108	110593	Male	4	Mohawk River	20	1	233			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	115	110600	Female	4	Mohawk River	16	1	233			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	121	110606	Female	4	Mohawk River	16	1	233			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	157	110640	Female	4	Mohawk River	16	1	233			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	19	111019	Male	4	Mohawk River	20	1	233			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	33	111031	Male	4	Mohawk River	20	1	233			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	34	111032	Male	4	Mohawk River	20	1	233			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	66	111061	Male	4	Mohawk River	20	1	233			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	113	111105	Male	4	Mohawk River	20	1	233			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	124		Male	4	Mohawk River	20	1	233			2	6	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	145	111134	Male	4	Mohawk River	20	1	233			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	148	111137	Male	4	Mohawk River	20	1	233			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	174	111163	Male	4	Mohawk River	20	1	233			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	203	111192	Male	4	Mohawk River	20	1	233			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	282	111267	Male	4	Mohawk River	20	1	233			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	291	111276	Male	4	Mohawk River	20	1	233			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	18	108065	Male	4	Mohawk River	20	1	233			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	13	110678	Female	4	Mohawk River	16	1	233			1	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	32	110696	Undetermined	4	Mohawk River	24	1	233			4	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	13	110733	Male	4	Mohawk River	20	1	233			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	39	111318	Male	4	Mohawk River	20	1	233			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	43	111322	Male	4	Mohawk River	20	1	233			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	48	111327	Male	4	Mohawk River	20	1	233			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	19	111345	Male	4	Mohawk River	20	1	233			2	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	25	111351	Undetermined	4	Mohawk River	24	1	233			4	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	18		Female	4	Mohawk River	16	1	233	104.9	87.8	1	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	18	111519	Female	4	Mohawk River	16	1	233			1	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	23	111524	Undetermined	4	Mohawk River	24	1	233			4	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	2	111553	Male	4	Mohawk River	20	1	233			2	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	9
Blueback Herring	4		Male	4	Mohawk River	20	1	233	91.3	85	2	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	17		Male	4	Mohawk River	20	1	233	88.1	84.4	2	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	6		Male	4	Mohawk River	20	1	233			2	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	32		Male	4	Mohawk River	20	1	233			2	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	2		Male	4	Mohawk River	20	1	233	96.6	93.8	3	3	6/21/1999	6/21/1999	75	1.25	Hours	Angling	41	Waterford Region	5	1	3	9
Blueback Herring	3		Male	4	Mohawk River	20	1	233	78.8	72.6	2	3	6/23/1999	6/23/1999	20	0.333333333	Hours	Angling	45	Little Falls River	5	70	3	
Blueback Herring	2		Male	4	Mohawk River	20	1	233	76.2	73.8	2	3	6/30/1999	6/30/1999	130	2.166666667	Hours	Angling	44	Schoharie Region	5	64	3	9

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	97	115447	Male	4	Mohawk River	20	1	233			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	171	116208	Male	4	Mohawk River	20	1	233			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	335		Male	4	Mohawk River	20	1	233			2	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	20	121288	Undetermined	4	Mohawk River	24	1	233			4	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	18		Male	4	Mohawk River	20	1	233			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	72		Male	4	Mohawk River	20	1	233			2	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	31		Male	4	Mohawk River	20	1	233			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	67		Male	4	Mohawk River	20	1	233			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	49	100415	Male	4	Mohawk River	20	1	234			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	119		Male	4	Mohawk River	20	1	234	114.9	101.5	2	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	123		Male	4	Mohawk River	20	1	234	105.8	96.8	2	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	40	100506	Female	4	Mohawk River	16	1	234			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	15	100571	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	24	100580	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	28	100584	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	25	100670	Male	4	Mohawk River	20	1	234			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	47	100690	Male	4	Mohawk River	20	1	234			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	69		Female	4	Mohawk River	16	1	234			1	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	105	100743	Male	4	Mohawk River	20	1	234			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	112	100750	Female	4	Mohawk River	16	1	234			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	137	100774	Male	4	Mohawk River	20	1	234			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	157	100793	Male	4	Mohawk River	20	1	234			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	167		Female	4	Mohawk River	16	1	234			3	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	190	100818	Female	4	Mohawk River	16	1	234			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	197	100823	Male	4	Mohawk River	20	1	234			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	201	100825	Male	4	Mohawk River	20	1	234			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	214	100838	Male	4	Mohawk River	20	1	234			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	239	100863	Male	4	Mohawk River	20	1	234			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	253	100875	Male	4	Mohawk River	20	1	234			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	7	100883	Female	4	Mohawk River	16	1	234			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	20	100896	Male	4	Mohawk River	20	1	234			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	25	100901	Male	4	Mohawk River	20	1	234			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	28	100904	Male	4	Mohawk River	20	1	234			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	155	109013	Undetermined	4	Mohawk River	24	1	234			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	164	109022	Male	4	Mohawk River	20	1	234			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	230	109084	Male	4	Mohawk River	20	1	234			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	236	109090	Female	4	Mohawk River	16	1	234			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	245	109099	Male	4	Mohawk River	20	1	234			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	251	109105	Male	4	Mohawk River	20	1	234			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	266		Male	4	Mohawk River	20	1	234	91.8	87.6	2	3	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	269		Male	4	Mohawk River	20	1	234	93.9	87.4	2	3	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	278		Male	4	Mohawk River	20	1	234	92.8	89.5	2	3	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	283		Male	4	Mohawk River	20	1	234	101.5	91.5	2	3	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	22	109126	Female	4	Mohawk River	16	1	234			1	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	24	109150	Female	4	Mohawk River	16	1	234			1	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	116	101210	Male	4	Mohawk River	20	1	234			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	44	101254	Male	4	Mohawk River	20	1	234			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	87	101297	Female	4	Mohawk River	16	1	234			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	134	101344	Male	4	Mohawk River	20	1	234			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	139	101349	Male	4	Mohawk River	20	1	234			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	43		Male	4	Mohawk River	20	1	234	110.2	97	2	3	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	61		Female	4	Mohawk River	16	1	234	116.1	95.3	1	3	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	10		Female	4	Mohawk River	16	1	234			1	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	21	104052	Female	4	Mohawk River	16	1	234			2	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	30		Male	4	Mohawk River	20	1	234			2	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	53	104185	Male	4	Mohawk River	20	1	234			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	68	104200	Female	4	Mohawk River	16	1	234			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	147	104350	Male	4	Mohawk River	20	1	234			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	171	104374	Female	4	Mohawk River	16	1	234			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	195	104398	Male	4	Mohawk River	20	1	234			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	270	104473	Male	4	Mohawk River	20	1	234			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	300	104503	Male	4	Mohawk River	20	1	234			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	379	104582	Male	4	Mohawk River	20	1	234			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	57		Female	4	Mohawk River	16	1	234	87.1	83.7	1	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	61		Female	4	Mohawk River	16	1	234	116.5	96.6	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	75		Male	4	Mohawk River	20	1	234	108.6	97.5	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	2	104615	Male	4	Mohawk River	20	1	234			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	4	104617	Male	4	Mohawk River	20	1	234			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	60	104673	Male	4	Mohawk River	20	1	234			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	19	104754	Male	4	Mohawk River	20	1	234			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	24	104759	Male	4	Mohawk River	20	1	234			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	6	104808	Male	4	Mohawk River	20	1	234			2	1	5/27/1999	5/27/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	23	104851	Female	4	Mohawk River	16	1	234			1	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	42	104870	Male	4	Mohawk River	20	1	234			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	22	104953	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	42	104973	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	44	104975	Female	4	Mohawk River	16	1	234			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	54	104985	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	76	106044	Female	4	Mohawk River	16	1	234			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	94	106026	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	114	106006	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	147	106078	Female	4	Mohawk River	16	1	234			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	171	106102	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	201	106133	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	254	106186	Female	4	Mohawk River	16	1	234			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	257	106189	Female	4	Mohawk River	16	1	234			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	273	106205	Female	4	Mohawk River	16	1	234			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	333	106265	Female	4	Mohawk River	16	1	234			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	347	106279	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	371	106303	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	373	106305	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	378	106310	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	427	106360	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	470	106403	Female	4	Mohawk River	16	1	234			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	8	106463	Male	4	Mohawk River	20	1	234			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	37	106533	Male	4	Mohawk River	20	1	234			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	49	106545	Male	4	Mohawk River	20	1	234			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	18		Female	4	Mohawk River	16	1	234			1	9	6/4/1999	6/4/1999	15			Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	22		Male	4	Mohawk River	20	1	234			2	9	6/4/1999	6/4/1999	15			Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	6	106612	Undetermined	4	Mohawk River	24	1	234			4	1	6/10/1999	6/10/1999	75	1.25	Hours	Angling	43	Amsterdam Region	3	28	3	7
Blueback Herring	23	106631	Undetermined	4	Mohawk River	24	1	234			4	1	6/10/1999	6/10/1999	75	1.25	Hours	Angling	43	Amsterdam Region	3	28	3	7
Blueback Herring	14		Male	4	Mohawk River	20	1	234	89	84.6	2	3	6/15/1999	6/15/1999				Angling	43	Amsterdam Region	2	28	3	
Blueback Herring	37	105208	Male	4	Mohawk River	20	1	234			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	70	105241	Male	4	Mohawk River	20	1	234			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	71	105242	Male	4	Mohawk River	20	1	234			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	86	105257	Female	4	Mohawk River	16	1	234			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	295	105466	Male	4	Mohawk River	20	1	234			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	37	105511	Male	4	Mohawk River	20	1	234			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	41	105515	Male	4	Mohawk River	20	1	234			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	112	105586	Male	4	Mohawk River	20	1	234			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	149	105623	Female	4	Mohawk River	16	1	234			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	158	105631	Male	4	Mohawk River	20	1	234			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	12	105699	Male	4	Mohawk River	20	1	234			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	19	105706	Female	4	Mohawk River	16	1	234			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	68	105754	Female	4	Mohawk River	16	1	234			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	142	105828	Male	4	Mohawk River	20	1	234			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	195	105882	Male	4	Mohawk River	20	1	234			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	89	107211	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	100	107222	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	123	107245	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	183	107554	Female	4	Mohawk River	16	1	234			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	185	107556	Male	4	Mohawk River	20	1	234			3	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	240	107610	Undetermined	4	Mohawk River	24	1	234			4	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	241	107611	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	325	107695	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	22	107021	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	24	107023	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	26	107025	Female	4	Mohawk River	16	1	234			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	29	107028	Female	4	Mohawk River	16	1	234			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	118	107266	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	148	107297	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	152	107301	Female	4	Mohawk River	16	1	234			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	173	107322	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	178	107327	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	180	107329	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	199	107348	Female	4	Mohawk River	16	1	234			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	201	107350	Female	4	Mohawk River	16	1	234			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	237	107386	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	265	107414	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	276	107425	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	285	107434	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	361	107708	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	381	107728	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	406	107753	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	430	107776	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	439	107785	Male	4	Mohawk River	20	1	234			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	3		Female	4	Mohawk River	16	1	234	108.7	89.2	1	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	33		Male	4	Mohawk River	20	1	234	100.4	93.2	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9

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SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	44		Female	4	Mohawk River	16	1	234	110.1	94.3	1	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	51		Female	4	Mohawk River	16	1	234	102.7	84.8	1	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	67		Female	4	Mohawk River	16	1	234	110.9	91.3	1	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	72	107801	Male	4	Mohawk River	20	1	234			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	79	107807	Female	4	Mohawk River	16	1	234			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	94	107821	Male	4	Mohawk River	20	1	234			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	95	107822	Male	4	Mohawk River	20	1	234			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	113	107840	Male	4	Mohawk River	20	1	234			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	165	107890	Male	4	Mohawk River	20	1	234			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	166	107891	Male	4	Mohawk River	20	1	234			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	170	107895	Male	4	Mohawk River	20	1	234			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	190	107915	Male	4	Mohawk River	20	1	234			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	209	107934	Female	4	Mohawk River	16	1	234			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	229	107954	Male	4	Mohawk River	20	1	234			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	230	107955	Female	4	Mohawk River	16	1	234			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	262	107985	Male	4	Mohawk River	20	1	234			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	286	110358	Female	4	Mohawk River	16	1	234			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	326	110398	Female	4	Mohawk River	16	1	234			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	410	110480	Male	4	Mohawk River	20	1	234			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	450	110518	Male	4	Mohawk River	20	1	234			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	459	110527	Male	4	Mohawk River	20	1	234			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	476	110541	Male	4	Mohawk River	20	1	234			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	5	110005	Female	4	Mohawk River	16	1	234			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	10	110010	Female	4	Mohawk River	16	1	234			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	29	110029	Male	4	Mohawk River	20	1	234			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	77	110077	Female	4	Mohawk River	16	1	234			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	97	110097	Male	4	Mohawk River	20	1	234			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	129	110129	Male	4	Mohawk River	20	1	234			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	178	110178	Male	4	Mohawk River	20	1	234			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	185	110185	Female	4	Mohawk River	16	1	234			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	200	110200	Female	4	Mohawk River	16	1	234			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	206	110206	Male	4	Mohawk River	20	1	234			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	290	110290	Male	4	Mohawk River	20	1	234			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	291	110291	Female	4	Mohawk River	16	1	234			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	292	110292	Male	4	Mohawk River	20	1	234			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	44	110753	Female	4	Mohawk River	16	1	234			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	92	110800	Male	4	Mohawk River	20	1	234			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	97	110805	Male	4	Mohawk River	20	1	234			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	101		Female	4	Mohawk River	16	1	234			1	6	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	156	110862	Male	4	Mohawk River	20	1	234			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	170	110876	Female	4	Mohawk River	16	1	234			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	24	110961	Male	4	Mohawk River	20	1	234			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	58	110994	Female	4	Mohawk River	16	1	234			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	97	110582	Male	4	Mohawk River	20	1	234			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	102	110587	Female	4	Mohawk River	16	1	234			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	127	110612	Undetermined	4	Mohawk River	24	1	234			4	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	129	110614	Female	4	Mohawk River	16	1	234			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	134	110618	Undetermined	4	Mohawk River	24	1	234			4	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	161	110644	Male	4	Mohawk River	20	1	234			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	22		Male	4	Mohawk River	20	1	234			2	6	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	27	111026	Male	4	Mohawk River	20	1	234			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	31	111029	Male	4	Mohawk River	20	1	234			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	61	111057	Male	4	Mohawk River	20	1	234			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	67	111062	Female	4	Mohawk River	16	1	234			3	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	73	111068	Male	4	Mohawk River	20	1	234			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	94	111086	Male	4	Mohawk River	20	1	234			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	119	111111	Female	4	Mohawk River	16	1	234			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	132	111123	Male	4	Mohawk River	20	1	234			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	140		Male	4	Mohawk River	20	1	234			2	6	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	168	111157	Male	4	Mohawk River	20	1	234			3	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	179	111168	Female	4	Mohawk River	16	1	234			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	204	111193	Male	4	Mohawk River	20	1	234			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	212	111200	Male	4	Mohawk River	20	1	234			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	218	111205	Female	4	Mohawk River	16	1	234			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	254	111239	Female	4	Mohawk River	16	1	234			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	261	111246	Undetermined	4	Mohawk River	24	1	234			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	297	111282	Male	4	Mohawk River	20	1	234			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	299	111284	Male	4	Mohawk River	20	1	234			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	325	111310	Female	4	Mohawk River	16	1	234			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	28	108035	Undetermined	4	Mohawk River	24	1	234			4	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	17	108064	Male	4	Mohawk River	20	1	234			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	27	108074	Undetermined	4	Mohawk River	24	1	234			4	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	47	108090	Male	4	Mohawk River	20	1	234			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	71	110661	Male	4	Mohawk River	20	1	234			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	17	110682	Female	4	Mohawk River	16	1	234			1	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	35	110699	Undetermined	4	Mohawk River	24	1	234			4	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	45	110708	Female	4	Mohawk River	16	1	234			3	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	38	111363	Male	4	Mohawk River	20	1	234			2	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	6	111369	Undetermined	4	Mohawk River	24	1	234			4	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	47	111406	Male	4	Mohawk River	20	1	234			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	68		Male	4	Mohawk River	20	1	234			2	6	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	103	111457	Undetermined	4	Mohawk River	24	1	234			4	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	12		Female	4	Mohawk River	16	1	234	107.6	88.8	1	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	10	111511	Male	4	Mohawk River	20	1	234			2	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	11	111512	Female	4	Mohawk River	16	1	234			1	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	32	111533	Female	4	Mohawk River	16	1	234			1	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	42	111541	Female	4	Mohawk River	16	1	234			1	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	16		Female	4	Mohawk River	16	1	234	86	75.9	1	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	34		Female	4	Mohawk River	16	1	234	86.8	78.4	1	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	7		Male	4	Mohawk River	20	1	234	91	84.3	2	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	23		Female	4	Mohawk River	16	1	234	95.8	87.8	1	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	22		Male	4	Mohawk River	20	1	234			2	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	27		Female	4	Mohawk River	16	1	234	91	82.9	1	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	3		Female	4	Mohawk River	16	1	234	107.2	95.3	1	3	7/1/1999	7/1/1999	200	3.333333333	Hours	Angling	44	Schoharie Region	5	64	3	9
Blueback Herring	125	115475	Male	4	Mohawk River	20	1	234			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	2	116039	Male	4	Mohawk River	20	1	234			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	3	116040	Male	4	Mohawk River	20	1	234			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	263	116300	Male	4	Mohawk River	20	1	234			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	1	116401	Male	4	Mohawk River	20	1	234			2	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	7	116407	Male	4	Mohawk River	20	1	234			2	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	9	116409	Male	4	Mohawk River	20	1	234			2	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	2		Male	4	Mohawk River	20	1	234	110.5	98.8	1	3	5/16/2000	5/16/2000	20	0.333333333	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	1	2
Blueback Herring	32	117382	Male	4	Mohawk River	20	1	234			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	87	117657	Male	4	Mohawk River	20	1	234			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	129	117699	Male	4	Mohawk River	20	1	234			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	100	118104	Male	4	Mohawk River	20	1	234			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	77	118291	Male	4	Mohawk River	20	1	234			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	78	118292	Male	4	Mohawk River	20	1	234			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	38		Male	4	Mohawk River	20	1	234	103.6	93	2	3	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	227		Female	4	Mohawk River	16	1	234			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	32	121300	Male	4	Mohawk River	20	1	234			2	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	72		Male	4	Mohawk River	20	1	234			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	9		Male	4	Mohawk River	20	1	234	116	104.1	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	38		Female	4	Mohawk River	16	1	234			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	117		Male	4	Mohawk River	20	1	234			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	4		Male	4	Mohawk River	20	1	234			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	62		Male	4	Mohawk River	20	1	234			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	75		Male	4	Mohawk River	20	1	234			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	98		Male	4	Mohawk River	20	1	234	117.7	105.3	2	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	30		Male	4	Mohawk River	20	1	234	103.9	96.4	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	69		Undetermined	4	Mohawk River	24	1	234			4	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	19		Female	4	Mohawk River	16	1	234			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	14	100380	Female	4	Mohawk River	16	1	235			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	23	100389	Female	4	Mohawk River	16	1	235			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	46	100412	Male	4	Mohawk River	20	1	235			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	55	100421	Female	4	Mohawk River	16	1	235			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	100	100466	Male	4	Mohawk River	20	1	235			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	141		Male	4	Mohawk River	20	1	235	106.2	97.5	2	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	33	100499	Male	4	Mohawk River	20	1	235			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	53	100519	Male	4	Mohawk River	20	1	235			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	84	100550	Male	4	Mohawk River	20	1	235			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	22	100578	Female	4	Mohawk River	16	1	235			1	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	26	100582	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	29	100585	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	38	100594	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	60	100616	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	62	100618	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	63	100619	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	68	100624	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	71	100627	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	72	100628	Undetermined	4	Mohawk River	24	1	235			4	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	76	100632	Female	4	Mohawk River	16	1	235			1	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	79	100634	Female	4	Mohawk River	16	1	235			1	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	41	100684	Male	4	Mohawk River	20	1	235			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	48	100691	Male	4	Mohawk River	20	1	235			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	63	100704	Male	4	Mohawk River	20	1	235			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	208	100832	Female	4	Mohawk River	16	1	235			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	240	100864	Female	4	Mohawk River	16	1	235			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	244		Male	4	Mohawk River	20	1	235			2	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	10	100886	Female	4	Mohawk River	16	1	235			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	30	100906	Female	4	Mohawk River	16	1	235			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	44	100919	Undetermined	4	Mohawk River	24	1	235			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	48	100922	Male	4	Mohawk River	20	1	235			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	53	100927	Male	4	Mohawk River	20	1	235			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	70	100941	Female	4	Mohawk River	16	1	235			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	76	100947	Male	4	Mohawk River	20	1	235			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	91		Female	4	Mohawk River	16	1	235			1	6	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	98	100962	Male	4	Mohawk River	20	1	235			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	114	100978	Male	4	Mohawk River	20	1	235			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	127	100991	Male	4	Mohawk River	20	1	235			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	144		Female	4	Mohawk River	16	1	235			3	6	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	154	109012	Undetermined	4	Mohawk River	24	1	235			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	156	109014	Male	4	Mohawk River	20	1	235			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	162	109020	Male	4	Mohawk River	20	1	235			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	190		Female	4	Mohawk River	16	1	235			1	6	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	194	109050	Female	4	Mohawk River	16	1	235			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	233	109087	Female	4	Mohawk River	16	1	235			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	246	109100	Female	4	Mohawk River	16	1	235			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	257	109110	Female	4	Mohawk River	16	1	235			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	271		Male	4	Mohawk River	20	1	235	87.3	85.8	2	3	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	10	109120	Male	4	Mohawk River	20	1	235			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	21		Undetermined	4	Mohawk River	24	1	235			4	6	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	17	109143	Male	4	Mohawk River	20	1	235			2	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	30	109156	Male	4	Mohawk River	20	1	235			2	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	18		Male	4	Mohawk River	20	1	235	118.9	103.8	2	3	5/11/1999	5/11/1999	70	1.166666667	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	4	101046	Male	4	Mohawk River	20	1	235			2	1	5/11/1999	5/11/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	3	101071	Male	4	Mohawk River	20	1	235			2	1	5/12/1999	5/12/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	21	101114	Male	4	Mohawk River	20	1	235			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	35	101128	Male	4	Mohawk River	20	1	235			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	98	101191	Female	4	Mohawk River	16	1	235			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	13	101223	Male	4	Mohawk River	20	1	235			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	22	101232	Male	4	Mohawk River	20	1	235			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	97	101307	Female	4	Mohawk River	16	1	235			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	118	101328	Male	4	Mohawk River	20	1	235			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	125	101335	Female	4	Mohawk River	16	1	235			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	154	101364	Male	4	Mohawk River	20	1	235			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	188	101398	Male	4	Mohawk River	20	1	235			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	208	101418	Female	4	Mohawk River	16	1	235			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	210	101420	Male	4	Mohawk River	20	1	235			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	218	101428	Male	4	Mohawk River	20	1	235			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	231	101441	Male	4	Mohawk River	20	1	235			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	20	104020	Male	4	Mohawk River	20	1	235			2	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	16		Male	4	Mohawk River	20	1	235			2	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	16	104076	Male	4	Mohawk River	20	1	235			2	1	5/18/1999	5/18/1999	20	0.333333333	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	2	104134	Male	4	Mohawk River	20	1	235			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	16	104148	Female	4	Mohawk River	16	1	235			1	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	79	104282	Male	4	Mohawk River	20	1	235			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	116	104319	Male	4	Mohawk River	20	1	235			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	132	104335	Male	4	Mohawk River	20	1	235			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	148	104351	Male	4	Mohawk River	20	1	235			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	325	104528	Male	4	Mohawk River	20	1	235			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	355	104558	Male	4	Mohawk River	20	1	235			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	400	104603	Male	4	Mohawk River	20	1	235			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	34	104647	Male	4	Mohawk River	20	1	235			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	42	104655	Male	4	Mohawk River	20	1	235			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	11	104746	Male	4	Mohawk River	20	1	235			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	17	104752	Male	4	Mohawk River	20	1	235			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	27	104762	Male	4	Mohawk River	20	1	235			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	4	104806	Female	4	Mohawk River	16	1	235			2	1	5/27/1999	5/27/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	25	104853	Male	4	Mohawk River	20	1	235			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	41	104869	Male	4	Mohawk River	20	1	235			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	63	104892	Male	4	Mohawk River	20	1	235			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	87	104916	Male	4	Mohawk River	20	1	235			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	13	104944	Female	4	Mohawk River	16	1	235			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	38	104969	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	47	104978	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	83	106037	Female	4	Mohawk River	16	1	235			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	91	106029	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	101	106019	Female	4	Mohawk River	16	1	235			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	111	106009	Female	4	Mohawk River	16	1	235			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	113	106007	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	141	106072	Female	4	Mohawk River	16	1	235			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	179	106110	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	206	106138	Female	4	Mohawk River	16	1	235			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	216	106148	Female	4	Mohawk River	16	1	235			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	218	106150	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	264	106196	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	324	106256	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	332	106264	Female	4	Mohawk River	16	1	235			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	335	106267	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	342	106274	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	349	106281	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	382	106314	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	395	106328	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	405	106338	Female	4	Mohawk River	16	1	235			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	406	106339	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	419	106352	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	429	106362	Female	4	Mohawk River	16	1	235			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	436	106369	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	460	106393	Female	4	Mohawk River	16	1	235			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	474	106407	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	11	106466	Male	4	Mohawk River	20	1	235			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	27	106523	Female	4	Mohawk River	16	1	235			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	45	106541	Female	4	Mohawk River	16	1	235			1	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	13	106557	Male	4	Mohawk River	20	1	235			2	9	6/4/1999	6/4/1999	15			Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	16		Female	4	Mohawk River	16	1	235			1	9	6/4/1999	6/4/1999	15			Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	20		Male	4	Mohawk River	20	1	235			2	9	6/4/1999	6/4/1999	15			Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	24		Male	4	Mohawk River	20	1	235			2	9	6/4/1999	6/4/1999	15			Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	3	106592	Male	4	Mohawk River	20	1	235			2	1	6/9/1999	6/9/1999	63	1.05	Hours	Angling	44	Schoharie Region	2	52	3	1
Blueback Herring	11	106618	Female	4	Mohawk River	16	1	235			4	1	6/10/1999	6/10/1999	75	1.25	Hours	Angling	43	Amsterdam Region	3	28	3	7
Blueback Herring	14	106621	Undetermined	4	Mohawk River	24	1	235			4	1	6/10/1999	6/10/1999	75	1.25	Hours	Angling	43	Amsterdam Region	3	28	3	7
Blueback Herring	22	106630	Female	4	Mohawk River	16	1	235			4	1	6/10/1999	6/10/1999	75	1.25	Hours	Angling	43	Amsterdam Region	3	28	3	7
Blueback Herring	28		Male	4	Mohawk River	20	1	235	86	81	2	3	6/10/1999	6/10/1999	75	1.25	Hours	Angling	43	Amsterdam Region	3	28	3	7
Blueback Herring	3		Male	4	Mohawk River	20	1	235	101.7	97.5	2	3	6/15/1999	6/15/1999	95	1.583333333	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	22		Male	4	Mohawk River	20	1	235	89.4	85.4	2	3	6/16/1999	6/16/1999	210	3.5	Hours	Angling	43	Amsterdam Region	2	35	3	
Blueback Herring	6		Male	4	Mohawk River	20	1	235	94.8	87.7	2	3	6/16/1999	6/16/1999	60	1	Hours	Angling	44	Schoharie Region	3	44	3	
Blueback Herring	3		Male	4	Mohawk River	20	1	235			2	6	6/17/1999	6/17/1999	90	1.5	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	29		Male	4	Mohawk River	20	1	235	96	87	2	3	6/17/1999	6/17/1999	90	1.5	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	15	105186	Male	4	Mohawk River	20	1	235			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	31	105202	Male	4	Mohawk River	20	1	235			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	39	105210	Male	4	Mohawk River	20	1	235			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	40	105211	Male	4	Mohawk River	20	1	235			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	92	105263	Male	4	Mohawk River	20	1	235			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	135	105306	Male	4	Mohawk River	20	1	235			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	149	105320	Male	4	Mohawk River	20	1	235			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	184	105355	Male	4	Mohawk River	20	1	235			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	186	105357	Male	4	Mohawk River	20	1	235			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	192	105363	Female	4	Mohawk River	16	1	235			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	204	105375	Male	4	Mohawk River	20	1	235			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	237	105408	Male	4	Mohawk River	20	1	235			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	257	105428	Male	4	Mohawk River	20	1	235			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	10	105484	Male	4	Mohawk River	20	1	235			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	12	105486	Male	4	Mohawk River	20	1	235			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	96	105570	Male	4	Mohawk River	20	1	235			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	111	105797	Female	4	Mohawk River	16	1	235			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	126	105812	Male	4	Mohawk River	20	1	235			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	153	105840	Female	4	Mohawk River	16	1	235			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	168	105855	Female	4	Mohawk River	16	1	235			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	181	105868	Female	4	Mohawk River	16	1	235			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	15	105984	Male	4	Mohawk River	20	1	235			2	1	5/28/1999	5/28/1999	30	0.5	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	67	107159	Female	4	Mohawk River	16	1	235			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	76	107168	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	96	107218	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	132	107504	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	172	107543	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	175	107546	Female	4	Mohawk River	16	1	235			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	226	107597	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	245	107615	Undetermined	4	Mohawk River	24	1	235			4	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	248	107618	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	305	107675	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	322	107692	Female	4	Mohawk River	16	1	235			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	328	107698	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	2	107002	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	4	107004	Female	4	Mohawk River	16	1	235			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9

															Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	16	107015	Female	4	Mohawk River	16	1	235			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	48	107047	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	100	107099	Female	4	Mohawk River	16	1	235			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	125	107273	Female	4	Mohawk River	16	1	235			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	137	107286	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	158	107307	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	175	107324	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	209	107358	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	230	107379	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	246	107395	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	247	107396	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	250	107399	Female	4	Mohawk River	16	1	235			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	289	107438	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	305	107454	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	333	107482	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	352		Female	4	Mohawk River	16	1	235			2	6	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	414	107761	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	417	107764	Male	4	Mohawk River	20	1	235			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	1		Male	4	Mohawk River	20	1	235	83.2	79	3	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	36		Female	4	Mohawk River	16	1	235	107.5	90.7	1	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	87	107814	Male	4	Mohawk River	20	1	235			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	111	107838	Male	4	Mohawk River	20	1	235			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	117	107844	Male	4	Mohawk River	20	1	235			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	121	107848	Undetermined	4	Mohawk River	24	1	235			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	128	107855	Male	4	Mohawk River	20	1	235			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	185	107910	Male	4	Mohawk River	20	1	235			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	201	107926	Female	4	Mohawk River	16	1	235			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	205	107930	Female	4	Mohawk River	16	1	235			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	223	107948	Male	4	Mohawk River	20	1	235			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	234	107959	Female	4	Mohawk River	16	1	235			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	454	110522	Female	4	Mohawk River	16	1	235			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	479	110544	Undetermined	4	Mohawk River	24	1	235			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	484	110549	Undetermined	4	Mohawk River	24	1	235			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	37	110037	Male	4	Mohawk River	20	1	235			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	49	110049	Male	4	Mohawk River	20	1	235			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	52	110052	Male	4	Mohawk River	20	1	235			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	104	110104	Female	4	Mohawk River	16	1	235			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	149	110149	Female	4	Mohawk River	16	1	235			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	176	110176	Male	4	Mohawk River	20	1	235			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	189	110189	Male	4	Mohawk River	20	1	235			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	193	110193	Female	4	Mohawk River	16	1	235			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	219	110219	Male	4	Mohawk River	20	1	235			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	275	110275	Male	4	Mohawk River	20	1	235			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	2	110311	Female	4	Mohawk River	16	1	235			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	52	110761	Female	4	Mohawk River	16	1	235			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	61	110770	Male	4	Mohawk River	20	1	235			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	84	110792	Male	4	Mohawk River	20	1	235			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	91	110799	Male	4	Mohawk River	20	1	235			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	112	110819	Female	4	Mohawk River	16	1	235			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	120	110827	Female	4	Mohawk River	16	1	235			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	121	110828	Female	4	Mohawk River	16	1	235			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	126	110833	Male	4	Mohawk River	20	1	235			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	146	110852	Female	4	Mohawk River	16	1	235			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	164	110870	Male	4	Mohawk River	20	1	235			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	165	110871	Male	4	Mohawk River	20	1	235			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	207	110911	Male	4	Mohawk River	20	1	235			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	211	110915	Male	4	Mohawk River	20	1	235			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	18	110955	Undetermined	4	Mohawk River	24	1	235			4	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	54	110990	Female	4	Mohawk River	16	1	235			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	57	110993	Male	4	Mohawk River	20	1	235			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	62	110998	Female	4	Mohawk River	16	1	235			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	64	110551	Female	4	Mohawk River	16	1	235			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	104	110589	Female	4	Mohawk River	16	1	235			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	126	110611	Male	4	Mohawk River	20	1	235			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	131	110616	Male	4	Mohawk River	20	1	235			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	135	110619	Male	4	Mohawk River	20	1	235			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	142	110625	Male	4	Mohawk River	20	1	235			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	147	110630	Female	4	Mohawk River	16	1	235			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	167	110650	Male	4	Mohawk River	20	1	235			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	6	111006	Female	4	Mohawk River	16	1	235			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	36	111034	Male	4	Mohawk River	20	1	235			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	59	111055	Undetermined	4	Mohawk River	24	1	235			3	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	88	111082	Male	4	Mohawk River	20	1	235			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	102	111094	Male	4	Mohawk River	20	1	235			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	104	111096	Male	4	Mohawk River	20	1	235			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	149	111138	Male	4	Mohawk River	20	1	235			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	156	111145	Male	4	Mohawk River	20	1	235			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	163	111152	Male	4	Mohawk River	20	1	235			3	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	171	111160	Male	4	Mohawk River	20	1	235			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	205	111194	Male	4	Mohawk River	20	1	235			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	224	111211	Undetermined	4	Mohawk River	24	1	235			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	235	111222	Male	4	Mohawk River	20	1	235			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	257	111242	Male	4	Mohawk River	20	1	235			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	275	111260	Male	4	Mohawk River	20	1	235			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	288	111273	Male	4	Mohawk River	20	1	235			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	293	111278	Male	4	Mohawk River	20	1	235			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	6	108006	Undetermined	4	Mohawk River	24	1	235			4	1	6/7/1999	6/7/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	2	108012	Undetermined	4	Mohawk River	24	1	235			4	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	39	108046	Male	4	Mohawk River	20	1	235			2	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	11	108058	Female	4	Mohawk River	16	1	235			1	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	19	108066	Male	4	Mohawk River	20	1	235			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	41	108085	Male	4	Mohawk River	20	1	235			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	66	110658	Male	4	Mohawk River	20	1	235			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	73	110663	Undetermined	4	Mohawk River	24	1	235			4	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	75	110665	Male	4	Mohawk River	20	1	235			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	79	110668	Male	4	Mohawk River	20	1	235			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	15	110680	Female	4	Mohawk River	16	1	235			1	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	8	110728	Male	4	Mohawk River	20	1	235			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	9	110729	Male	4	Mohawk River	20	1	235			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	20	110740	Female	4	Mohawk River	16	1	235			1	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	28	110748	Male	4	Mohawk River	20	1	235			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	42	111321	Male	4	Mohawk River	20	1	235			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	13	111340	Female	4	Mohawk River	16	1	235			1	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	27	111353	Male	4	Mohawk River	20	1	235			2	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	29	111390	Male	4	Mohawk River	20	1	235			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	35	111395	Male	4	Mohawk River	20	1	235			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	44	111403	Male	4	Mohawk River	20	1	235			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	53	111412	Female	4	Mohawk River	16	1	235			1	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	70	111427	Undetermined	4	Mohawk River	24	1	235			4	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	6		Male	4	Mohawk River	20	1	235	86.8	81.7	2	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	13		Male	4	Mohawk River	20	1	235	89.6	86	2	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	31		Male	4	Mohawk River	20	1	235	92.8	79.6	2	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	33		Female	4	Mohawk River	16	1	235	96.2	90.5	1	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	38		Male	4	Mohawk River	20	1	235	89	84.8	2	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	1	111502	Female	4	Mohawk River	16	1	235			1	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	29	111530	Female	4	Mohawk River	16	1	235			1	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	10		Male	4	Mohawk River	20	1	235	97.4	88.5	2	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	19		Male	4	Mohawk River	20	1	235	104.5	93.9	2	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	5		Male	4	Mohawk River	20	1	235	95.2	90.8	2	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	7		Male	4	Mohawk River	20	1	235			2	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	13		Male	4	Mohawk River	20	1	235			2	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	24		Male	4	Mohawk River	20	1	235			2	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	2		Male	4	Mohawk River	20	1	235			2	6	6/17/1999	6/17/1999	45	0.75	Hours	Scap net/Lift net	44	Schoharie Region	3	61	3	
Blueback Herring	12		Male	4	Mohawk River	20	1	235	83.3	78.7	2	3	6/17/1999	6/17/1999	60	1	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	2		Male	4	Mohawk River	20	1	235	87.5	80.5	2	3	6/21/1999	6/21/1999	60	1	Hours	Angling	44	Schoharie Region	5	60	3	
Blueback Herring	5		Female	4	Mohawk River	16	1	235	97.8	86	3	3	6/21/1999	6/21/1999	60	1	Hours	Angling	43	Amsterdam Region	2	39	3	
Blueback Herring	3		Male	4	Mohawk River	20	1	235	84.2	78.7	2	3	6/22/1999	6/22/1999	20	0.333333333	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	13		Male	4	Mohawk River	20	1	235	92.7	89	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	23		Female	4	Mohawk River	16	1	235	107.7	100.6	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	113	115463	Male	4	Mohawk River	20	1	235			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	137	115487	Male	4	Mohawk River	20	1	235			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	90	116127	Male	4	Mohawk River	20	1	235			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	242	116279	Male	4	Mohawk River	20	1	235			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	17		Male	4	Mohawk River	20	1	235	127.1	111.3	1	3	5/16/2000	5/16/2000	20	0.333333333	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	1	2
Blueback Herring	139	117709	Male	4	Mohawk River	20	1	235			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	26	118030	Male	4	Mohawk River	20	1	235			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	31	118035	Male	4	Mohawk River	20	1	235			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	37	118041	Male	4	Mohawk River	20	1	235			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	77	118081	Male	4	Mohawk River	20	1	235			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	79	118083	Male	4	Mohawk River	20	1	235			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	67	118177	Male	4	Mohawk River	20	1	235			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	75	118289	Male	4	Mohawk River	20	1	235			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	76	118290	Male	4	Mohawk River	20	1	235			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	169		Female	4	Mohawk River	16	1	235	108.7	92.5	1	3	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	3		Male	4	Mohawk River	20	1	235	98.4	93.8	2	3	6/22/2000	6/22/2000	240	8	Hours	Angling	43	Amsterdam Region		39	3	9
Blueback Herring	14		Male	4	Mohawk River	20	1	235	96.4	88.6	2	3	6/22/2000	6/22/2000	240	8	Hours	Angling	43	Amsterdam Region		39	3	9
Blueback Herring	65		Undetermined	4	Mohawk River	24	1	235			4	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	87		Male	4	Mohawk River	20	1	235			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	18	121286	Undetermined	4	Mohawk River	24	1	235			4	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	40	121309	Undetermined	4	Mohawk River	24	1	235			4	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	57		Male	4	Mohawk River	20	1	235			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	32		Male	4	Mohawk River	20	1	235	123.1	110.3	2	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	148		Male	4	Mohawk River	20	1	235			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	88		Female	4	Mohawk River	16	1	235	126.7	96.9	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	69	100435	Male	4	Mohawk River	20	1	236			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	75	100441	Female	4	Mohawk River	16	1	236			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	145		Female	4	Mohawk River	16	1	236	123.8	103.9	1	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	63	100529	Male	4	Mohawk River	20	1	236			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	10	100566	Male	4	Mohawk River	20	1	236			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	67	100623	Undetermined	4	Mohawk River	24	1	236			4	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	28	100672	Male	4	Mohawk River	20	1	236			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	56	100699	Male	4	Mohawk River	20	1	236			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	135	100772	Male	4	Mohawk River	20	1	236			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	164		Undetermined	4	Mohawk River	24	1	236			4	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	174	100808	Undetermined	4	Mohawk River	24	1	236			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	180		Female	4	Mohawk River	16	1	236			3	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	220	100844	Female	4	Mohawk River	16	1	236			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	32	100908	Male	4	Mohawk River	20	1	236			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	35		Male	4	Mohawk River	20	1	236			3	6	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	106	100970	Female	4	Mohawk River	16	1	236			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	132	100994	Male	4	Mohawk River	20	1	236			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	178	109036	Female	4	Mohawk River	16	1	236			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	227	109081	Male	4	Mohawk River	20	1	236			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	237	109091	Undetermined	4	Mohawk River	24	1	236			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	8	109134	Female	4	Mohawk River	16	1	236			1	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	2	101070	Male	4	Mohawk River	20	1	236			2	1	5/12/1999	5/12/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	7	101075	Male	4	Mohawk River	20	1	236			2	1	5/12/1999	5/12/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	7	101100	Female	4	Mohawk River	16	1	236			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	34	101244	Male	4	Mohawk River	20	1	236			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	120	101330	Female	4	Mohawk River	16	1	236			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	138	101348	Male	4	Mohawk River	20	1	236			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	163	101373	Male	4	Mohawk River	20	1	236			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	169	101379	Female	4	Mohawk River	16	1	236			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	206	101416	Female	4	Mohawk River	16	1	236			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	58		Female	4	Mohawk River	16	1	236	121.7	102.9	1	3	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	62		Male	4	Mohawk River	20	1	236	116.8	103	2	3	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	18	104018	Male	4	Mohawk River	20	1	236			2	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	43		Female	4	Mohawk River	16	1	236	108.8	91.8	1	3	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	2		Male	4	Mohawk River	20	1	236			2	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	28		Female	4	Mohawk River	16	1	236			1	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	1	104133	Male	4	Mohawk River	20	1	236			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	28	104160	Male	4	Mohawk River	20	1	236			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	69	104201	Male	4	Mohawk River	20	1	236			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	76	104279	Female	4	Mohawk River	16	1	236			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	125	104328	Male	4	Mohawk River	20	1	236			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	135	104338	Female	4	Mohawk River	16	1	236			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	146	104349	Male	4	Mohawk River	20	1	236			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	365	104568	Female	4	Mohawk River	16	1	236			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	383	104586	Male	4	Mohawk River	20	1	236			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	406	104609	Male	4	Mohawk River	20	1	236			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	21	104634	Male	4	Mohawk River	20	1	236			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	53	104666	Female	4	Mohawk River	16	1	236			1	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	17	104795	Male	4	Mohawk River	20	1	236			2	1	5/26/1999	5/26/1999	100	1.666666667	Hours	Angling	43	Amsterdam Region	2	34	3	
Blueback Herring	7	104809	Female	4	Mohawk River	16	1	236			1	1	5/27/1999	5/27/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	54	104882	Male	4	Mohawk River	20	1	236			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	51	104982	Male	4	Mohawk River	20	1	236			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	63	104994	Male	4	Mohawk River	20	1	236			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	177	106108	Male	4	Mohawk River	20	1	236			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	192	106124	Male	4	Mohawk River	20	1	236			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	194	106126	Female	4	Mohawk River	16	1	236			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	199	106131	Female	4	Mohawk River	16	1	236			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	219	106151	Female	4	Mohawk River	16	1	236			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	230	106162	Female	4	Mohawk River	16	1	236			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	233	106165	Male	4	Mohawk River	20	1	236			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	293	106225	Male	4	Mohawk River	20	1	236			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	310	106242	Female	4	Mohawk River	16	1	236			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	316	106248	Female	4	Mohawk River	16	1	236			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	350	106282	Female	4	Mohawk River	16	1	236			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	385	106317	Male	4	Mohawk River	20	1	236			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	394	106327	Male	4	Mohawk River	20	1	236			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	447	106380	Male	4	Mohawk River	20	1	236			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	482	106415	Female	4	Mohawk River	16	1	236			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	9	106464	Male	4	Mohawk River	20	1	236			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	41	106496	Male	4	Mohawk River	20	1	236			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	38	106534	Male	4	Mohawk River	20	1	236			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	11	106556	Female	4	Mohawk River	16	1	236			1	9	6/4/1999	6/4/1999	15			Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	16	106581	Male	4	Mohawk River	20	1	236			2	1	6/7/1999	6/7/1999	98	1.633333333	Hours	Angling	42	Schenectady Region	4	23	3	6
Blueback Herring	1	106590	Female	4	Mohawk River	16	1	236			2	1	6/9/1999	6/9/1999	63	1.05	Hours	Angling	44	Schoharie Region	2	52	3	1
Blueback Herring	4	106593	Male	4	Mohawk River	20	1	236			2	1	6/9/1999	6/9/1999	63	1.05	Hours	Angling	44	Schoharie Region	2	52	3	1
Blueback Herring	6	106595	Male	4	Mohawk River	20	1	236			2	1	6/9/1999	6/9/1999	63	1.05	Hours	Angling	44	Schoharie Region	2	52	3	1
Blueback Herring	18		Male	4	Mohawk River	20	1	236	96.1	90	2	3	6/9/1999	6/9/1999	63	1.05	Hours	Angling	44	Schoharie Region	2	52	3	1
Blueback Herring	8	106615	Undetermined	4	Mohawk River	24	1	236			4	1	6/10/1999	6/10/1999	75	1.25	Hours	Angling	43	Amsterdam Region	3	28	3	7
Blueback Herring	5	106635	Undetermined	4	Mohawk River	24	1	236			4	9	6/15/1999	6/15/1999	95	1.583333333	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	2		Male	4	Mohawk River	20	1	236	82.2	77	2	3	6/15/1999	6/15/1999				Angling	43	Amsterdam Region	2	28	3	
Blueback Herring	15	106650	Male	4	Mohawk River	20	1	236			2	9	6/16/1999	6/16/1999	210	3.5	Hours	Angling	43	Amsterdam Region	2	35	3	
Blueback Herring	50	105221	Female	4	Mohawk River	16	1	236			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	141	105312	Female	4	Mohawk River	16	1	236			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	187	105358	Male	4	Mohawk River	20	1	236			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	249	105420	Male	4	Mohawk River	20	1	236			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	250	105421	Male	4	Mohawk River	20	1	236			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	262	105433	Male	4	Mohawk River	20	1	236			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	70	105544	Male	4	Mohawk River	20	1	236			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	83	105557	Female	4	Mohawk River	16	1	236			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	115	105589	Male	4	Mohawk River	20	1	236			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	6	105693	Male	4	Mohawk River	20	1	236			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	27	105714	Female	4	Mohawk River	16	1	236			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	44	105731	Female	4	Mohawk River	16	1	236			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	79	105765	Male	4	Mohawk River	20	1	236			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	106	105792	Female	4	Mohawk River	16	1	236			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	118	105804	Male	4	Mohawk River	20	1	236			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	134	105820	Female	4	Mohawk River	16	1	236			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	182	105869	Male	4	Mohawk River	20	1	236			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	1	105993	Male	4	Mohawk River	20	1	236			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	16	107108	Male	4	Mohawk River	20	1	236			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	28	107120	Female	4	Mohawk River	16	1	236			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	68	107160	Female	4	Mohawk River	16	1	236			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	99	107221	Female	4	Mohawk River	16	1	236			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	109	107231	Male	4	Mohawk River	20	1	236			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	148	107520	Male	4	Mohawk River	20	1	236			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	203	107574	Male	4	Mohawk River	20	1	236			3	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	330	107700	Male	4	Mohawk River	20	1	236			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	31	107030	Female	4	Mohawk River	16	1	236			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	42	107041	Female	4	Mohawk River	16	1	236			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	49	107048	Female	4	Mohawk River	16	1	236			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	59	107058	Male	4	Mohawk River	20	1	236			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	85	107084	Female	4	Mohawk River	16	1	236			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	98	107097	Male	4	Mohawk River	20	1	236			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	101	107100	Female	4	Mohawk River	16	1	236			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	297	107446	Female	4	Mohawk River	16	1	236			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	344	107493	Female	4	Mohawk River	16	1	236			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	360	107707	Male	4	Mohawk River	20	1	236			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	364	107711	Male	4	Mohawk River	20	1	236			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	375	107722	Male	4	Mohawk River	20	1	236			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	391	107738	Male	4	Mohawk River	20	1	236			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	28		Female	4	Mohawk River	16	1	236	114.7	95.4	1	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	99	107826	Male	4	Mohawk River	20	1	236			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	127	107854	Female	4	Mohawk River	16	1	236			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	129	107856	Male	4	Mohawk River	20	1	236			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	156		Female	4	Mohawk River	16	1	236			2	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	161	107887	Male	4	Mohawk River	20	1	236			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	191	107916	Undetermined	4	Mohawk River	24	1	236			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	207	107932	Female	4	Mohawk River	16	1	236			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	219	107944	Male	4	Mohawk River	20	1	236			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	221	107946	Male	4	Mohawk River	20	1	236			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	276	107998	Male	4	Mohawk River	20	1	236			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	289	110361	Male	4	Mohawk River	20	1	236			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	295	110367	Female	4	Mohawk River	16	1	236			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	298	110370	Female	4	Mohawk River	16	1	236			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	346	110417	Male	4	Mohawk River	20	1	236			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	371	110442	Male	4	Mohawk River	20	1	236			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	373	110444	Female	4	Mohawk River	16	1	236			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	428	110498	Male	4	Mohawk River	20	1	236			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	41	110041	Female	4	Mohawk River	16	1	236			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	48	110048	Male	4	Mohawk River	20	1	236			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	88	110088	Male	4	Mohawk River	20	1	236			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	123	110123	Female	4	Mohawk River	16	1	236			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	148	110148	Female	4	Mohawk River	16	1	236			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	175	110175	Male	4	Mohawk River	20	1	236			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	281	110281	Male	4	Mohawk River	20	1	236			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	289	110289	Female	4	Mohawk River	16	1	236			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	24	110333	Male	4	Mohawk River	20	1	236			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	137	110843	Female	4	Mohawk River	16	1	236			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	149	110855	Undetermined	4	Mohawk River	24	1	236			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	183	110887	Male	4	Mohawk River	20	1	236			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	216	110920	Male	4	Mohawk River	20	1	236			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	33	110970	Male	4	Mohawk River	20	1	236			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	49	110985	Female	4	Mohawk River	16	1	236			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	109	110594	Undetermined	4	Mohawk River	24	1	236			4	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	133		Male	4	Mohawk River	20	1	236			2	6	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	80	111075	Female	4	Mohawk River	16	1	236			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	81	111076	Female	4	Mohawk River	16	1	236			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	82	111077	Female	4	Mohawk River	16	1	236			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	84	111079	Female	4	Mohawk River	16	1	236			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	118	111110	Male	4	Mohawk River	20	1	236			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	131	111122	Male	4	Mohawk River	20	1	236			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	139	111130	Female	4	Mohawk River	16	1	236			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	157	111146	Undetermined	4	Mohawk River	24	1	236			3	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	190	111179	Male	4	Mohawk River	20	1	236			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	201	111190	Male	4	Mohawk River	20	1	236			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	242	111228	Female	4	Mohawk River	16	1	236			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	245	111231	Male	4	Mohawk River	20	1	236			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	259	111244	Male	4	Mohawk River	20	1	236			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	269	111254	Undetermined	4	Mohawk River	24	1	236			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	304	111289	Male	4	Mohawk River	20	1	236			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	322	111307	Male	4	Mohawk River	20	1	236			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	10	108057	Female	4	Mohawk River	16	1	236			1	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	22	108069	Male	4	Mohawk River	20	1	236			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	44	108087	Undetermined	4	Mohawk River	24	1	236			4	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	53	108096	Male	4	Mohawk River	20	1	236			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	65	110657	Male	4	Mohawk River	20	1	236			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	23	110688	Male	4	Mohawk River	20	1	236			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	14	110734	Male	4	Mohawk River	20	1	236			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	26	110746	Male	4	Mohawk River	20	1	236			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	29	110749	Male	4	Mohawk River	20	1	236			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	33	111312	Male	4	Mohawk River	20	1	236			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	1	111331	Female	4	Mohawk River	16	1	236			1	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	2	111365	Male	4	Mohawk River	20	1	236			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	39		Male	4	Mohawk River	20	1	236			2	6	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	40	111399	Male	4	Mohawk River	20	1	236			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	73	111430	Male	4	Mohawk River	20	1	236			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	77	111434	Female	4	Mohawk River	16	1	236			1	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	93	111447	Male	4	Mohawk River	20	1	236			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	37		Female	4	Mohawk River	16	1	236	89.3	84	1	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	7	111508	Male	4	Mohawk River	20	1	236			3	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	16	111517	Male	4	Mohawk River	20	1	236			2	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	4	111549	Male	4	Mohawk River	20	1	236			2	1	6/8/1999	6/8/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	7		Undetermined	4	Mohawk River	24	1	236			4	6	6/8/1999	6/8/1999				Angling	41	Waterford Region	2	1	3	9
Blueback Herring	13		Male	4	Mohawk River	20	1	236	97.4	42	2	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	3		Male	4	Mohawk River	20	1	236	88.1	83.9	2	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	24		Male	4	Mohawk River	20	1	236	79.5	75.4	2	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	29		Male	4	Mohawk River	20	1	236	95	85.3	2	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	15		Male	4	Mohawk River	20	1	236			2	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	28		Male	4	Mohawk River	20	1	236			2	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	33		Male	4	Mohawk River	20	1	236			2	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	7		Male	4	Mohawk River	20	1	236	100.8	88.9	2	3	6/22/1999	6/22/1999	120	2	Hours	Angling	45	Little Falls River	5	78	3	
Blueback Herring	11		Male	4	Mohawk River	20	1	236	89.3	84.6	2	3	6/22/1999	6/22/1999	20	0.333333333	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	14		Male	4	Mohawk River	20	1	236	93.1	89.7	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	18		Female	4	Mohawk River	16	1	236	100.2	95	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	41		Female	4	Mohawk River	16	1	236	96.4	90.4	1	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	72	115422	Male	4	Mohawk River	20	1	236			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	93	115443	Male	4	Mohawk River	20	1	236			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	114	115464	Male	4	Mohawk River	20	1	236			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	39	116076	Male	4	Mohawk River	20	1	236			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	74	116111	Undetermined	4	Mohawk River	24	1	236			4	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	173	116210	Male	4	Mohawk River	20	1	236			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	205	116242	Male	4	Mohawk River	20	1	236			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	4	116404	Male	4	Mohawk River	20	1	236			2	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	25	117375	Male	4	Mohawk River	20	1	236			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	105	117675	Male	4	Mohawk River	20	1	236			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	1		Female	4	Mohawk River	16	1	236	109.5	89.3	1	3	5/31/2000	5/31/2000	35	1.75	Hours	Angling	43	Amsterdam Region		44	3	9

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	21		Male	4	Mohawk River	20	1	236	121	105.6	2	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	28		Female	4	Mohawk River	16	1	236	114.7	94	1	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	17	118021	Male	4	Mohawk River	20	1	236			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	40	118044	Male	4	Mohawk River	20	1	236			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	78	118082	Female	4	Mohawk River	16	1	236			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	31	118141	Male	4	Mohawk River	20	1	236			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	48	118158	Male	4	Mohawk River	20	1	236			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	8	118222	Male	4	Mohawk River	20	1	236			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	150	118364	Male	4	Mohawk River	20	1	236			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	160		Female	4	Mohawk River	16	1	236	107	89.9	1	3	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	10		Male	4	Mohawk River	20	1	236	106.5	96.9	2	3	6/13/2000	6/13/2000	155	2.583333333	Hours	Angling	44	Schoharie Region		53	3	9
Blueback Herring	44		Male	4	Mohawk River	20	1	236			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	45		Male	4	Mohawk River	20	1	236			2	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	47		Male	4	Mohawk River	20	1	236			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	278		Female	4	Mohawk River	16	1	236			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	21	121289	Male	4	Mohawk River	20	1	236			2	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	12		Male	4	Mohawk River	20	1	236			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	57		Female	4	Mohawk River	16	1	236			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	60		Male	4	Mohawk River	20	1	236			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	41		Male	4	Mohawk River	20	1	236	112.9	101.4	2	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	108		Male	4	Mohawk River	20	1	236	110.6	100.5	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	45		Male	4	Mohawk River	20	1	236			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	6		Male	4	Mohawk River	20	1	236	100.2	93.9	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	18		Male	4	Mohawk River	20	1	236	106.7	94.3	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	58		Male	4	Mohawk River	20	1	236	103.8	97.9	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	79		Female	4	Mohawk River	16	1	236	124.4	99.2	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	93		Male	4	Mohawk River	20	1	236			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	128		Female	4	Mohawk River	16	1	236			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	32		Male	4	Mohawk River	20	1	236			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	62		Female	4	Mohawk River	16	1	236			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	58	100424	Male	4	Mohawk River	20	1	237			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	59	100425	Male	4	Mohawk River	20	1	237			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	63	100429	Male	4	Mohawk River	20	1	237			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	113		Female	4	Mohawk River	16	1	237	110	92.3	1	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	118		Female	4	Mohawk River	16	1	237	112.9	96.5	1	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	28	100494	Female	4	Mohawk River	16	1	237			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	30	100586	Male	4	Mohawk River	20	1	237			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	65	100621	Male	4	Mohawk River	20	1	237			3	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	10	100655	Male	4	Mohawk River	20	1	237			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	32	100675	Undetermined	4	Mohawk River	24	1	237			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	36	100679	Female	4	Mohawk River	16	1	237			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	67		Male	4	Mohawk River	20	1	237			2	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	102	100741	Male	4	Mohawk River	20	1	237			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	143	100779	Female	4	Mohawk River	16	1	237			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	178	100811	Undetermined	4	Mohawk River	24	1	237			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	192	100820	Female	4	Mohawk River	16	1	237			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	225	100849	Male	4	Mohawk River	20	1	237			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	50	100924	Female	4	Mohawk River	16	1	237			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	56	100930	Male	4	Mohawk River	20	1	237			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	113	100977	Female	4	Mohawk River	16	1	237			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	121	100985	Male	4	Mohawk River	20	1	237			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	163	109021	Female	4	Mohawk River	16	1	237			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	186	109043	Male	4	Mohawk River	20	1	237			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	242	109096	Female	4	Mohawk River	16	1	237			3	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	255	109108	Male	4	Mohawk River	20	1	237			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	19	109145	Female	4	Mohawk River	16	1	237			2	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	13	101106	Male	4	Mohawk River	20	1	237			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	16	101109	Male	4	Mohawk River	20	1	237			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	54	101147	Female	4	Mohawk River	16	1	237			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	55	101148	Male	4	Mohawk River	20	1	237			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	83	101176	Male	4	Mohawk River	20	1	237			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	2	101212	Male	4	Mohawk River	20	1	237			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	56	101266	Female	4	Mohawk River	16	1	237			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	83	101293	Female	4	Mohawk River	16	1	237			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	136	101346	Male	4	Mohawk River	20	1	237			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	177	101387	Male	4	Mohawk River	20	1	237			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	244	101454	Male	4	Mohawk River	20	1	237			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	17	104050	Female	4	Mohawk River	16	1	237			3	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	38		Female	4	Mohawk River	16	1	237			3	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	12	104072	Male	4	Mohawk River	20	1	237			2	1	5/18/1999	5/18/1999	20	0.333333333	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	7	104139	Male	4	Mohawk River	20	1	237			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	18	104150	Male	4	Mohawk River	20	1	237			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	9	104212	Male	4	Mohawk River	20	1	237			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	20	104223	Male	4	Mohawk River	20	1	237			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9

Adult BBH Data

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SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	57	104260	Female	4	Mohawk River	16	1	237			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	80	104283	Male	4	Mohawk River	20	1	237			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	94	104297	Female	4	Mohawk River	16	1	237			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	109	104312	Male	4	Mohawk River	20	1	237			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	229	104432	Male	4	Mohawk River	20	1	237			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	245	104448	Female	4	Mohawk River	16	1	237			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	316	104519	Female	4	Mohawk River	16	1	237			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	320	104523	Female	4	Mohawk River	16	1	237			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	336	104539	Male	4	Mohawk River	20	1	237			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	351	104554	Male	4	Mohawk River	20	1	237			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	8		Male	4	Mohawk River	20	1	237	118.7	104.2	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	105	104718	Male	4	Mohawk River	20	1	237			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	107	104720	Female	4	Mohawk River	16	1	237			1	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	113	104726	Female	4	Mohawk River	16	1	237			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	1	104736	Male	4	Mohawk River	20	1	237			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	18	104796	Male	4	Mohawk River	20	1	237			2	1	5/26/1999	5/26/1999	100	1.666666667	Hours	Angling	43	Amsterdam Region	2	34	3	
Blueback Herring	57	104885	Female	4	Mohawk River	16	1	237			1	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	80	104909	Female	4	Mohawk River	16	1	237			3	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	196	106128	Male	4	Mohawk River	20	1	237			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	239	106171	Female	4	Mohawk River	16	1	237			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	256	106188	Male	4	Mohawk River	20	1	237			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	359	106291	Male	4	Mohawk River	20	1	237			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	457	106390	Male	4	Mohawk River	20	1	237			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	459	106392	Male	4	Mohawk River	20	1	237			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	486	106419	Female	4	Mohawk River	16	1	237			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	20	106475	Male	4	Mohawk River	20	1	237			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	21	106476	Male	4	Mohawk River	20	1	237			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	38	106493	Male	4	Mohawk River	20	1	237			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	34	106530	Female	4	Mohawk River	16	1	237			1	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	19	106560	Male	4	Mohawk River	20	1	237			2	9	6/4/1999	6/4/1999	15			Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	1		Male	4	Mohawk River	20	1	237	100	93	2	3	6/14/1999	6/14/1999	144	2.4	Hours	Angling	42	Schenectady Region	4	23	3	
Blueback Herring	4	106639	Male	4	Mohawk River	20	1	237			2	9	6/16/1999	6/16/1999	210	3.5	Hours	Angling	43	Amsterdam Region	2	35	3	
Blueback Herring	13	106648	Male	4	Mohawk River	20	1	237			2	9	6/16/1999	6/16/1999	210	3.5	Hours	Angling	43	Amsterdam Region	2	35	3	
Blueback Herring	7		Male	4	Mohawk River	20	1	237	88.9	86.8	2	3	6/16/1999	6/16/1999	60	1	Hours	Angling	44	Schoharie Region	3	44	3	
Blueback Herring	9		Male	4	Mohawk River	20	1	237	90.3	82.8	2	3	6/16/1999	6/16/1999	60	1	Hours	Angling	44	Schoharie Region	3	44	3	
Blueback Herring	6	105177	Male	4	Mohawk River	20	1	237			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	43	105214	Female	4	Mohawk River	16	1	237			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	139	105310	Male	4	Mohawk River	20	1	237			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	145	105316	Male	4	Mohawk River	20	1	237			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	173	105344	Male	4	Mohawk River	20	1	237			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	277	105448	Male	4	Mohawk River	20	1	237			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	80	105554	Female	4	Mohawk River	16	1	237			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	131	105605	Male	4	Mohawk River	20	1	237			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	14	105701	Male	4	Mohawk River	20	1	237			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	32	105719	Female	4	Mohawk River	16	1	237			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	82	105768	Male	4	Mohawk River	20	1	237			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	110	105796	Male	4	Mohawk River	20	1	237			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	119	105805	Male	4	Mohawk River	20	1	237			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	190	105877	Male	4	Mohawk River	20	1	237			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	194	105881	Male	4	Mohawk River	20	1	237			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	2	105994	Male	4	Mohawk River	20	1	237			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	30	107122	Female	4	Mohawk River	16	1	237			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	31	107123	Male	4	Mohawk River	20	1	237			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	33	107125	Female	4	Mohawk River	16	1	237			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	46	107138	Female	4	Mohawk River	16	1	237			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	49	107141	Male	4	Mohawk River	20	1	237			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	55	107147	Female	4	Mohawk River	16	1	237			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	71	107163	Female	4	Mohawk River	16	1	237			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	164	107535	Male	4	Mohawk River	20	1	237			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	176	107547	Male	4	Mohawk River	20	1	237			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	200	107571	Male	4	Mohawk River	20	1	237			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	202	107573	Male	4	Mohawk River	20	1	237			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	210	107581	Male	4	Mohawk River	20	1	237			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	233	107604	Male	4	Mohawk River	20	1	237			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	280	107650	Male	4	Mohawk River	20	1	237			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	282	107652	Undetermined	4	Mohawk River	24	1	237			4	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	302	107672	Male	4	Mohawk River	20	1	237			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	306	107676	Male	4	Mohawk River	20	1	237			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	9	107009	Female	4	Mohawk River	16	1	237			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	38	107037	Female	4	Mohawk River	16	1	237			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	70	107069	Male	4	Mohawk River	20	1	237			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	89	107088	Male	4	Mohawk River	20	1	237			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	134	107283	Male	4	Mohawk River	20	1	237			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	176	107325	Male	4	Mohawk River	20	1	237			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	181	107330	Male	4	Mohawk River	20	1	237			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	213	107362	Male	4	Mohawk River	20	1	237			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	242	107391	Female	4	Mohawk River	16	1	237			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	251	107400	Male	4	Mohawk River	20	1	237			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	260	107409	Male	4	Mohawk River	20	1	237			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	284	107433	Female	4	Mohawk River	16	1	237			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	299	107448	Female	4	Mohawk River	16	1	237			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	383	107730	Male	4	Mohawk River	20	1	237			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	394	107741	Male	4	Mohawk River	20	1	237			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	413	107760	Male	4	Mohawk River	20	1	237			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	424	107771	Male	4	Mohawk River	20	1	237			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	10		Female	4	Mohawk River	16	1	237	109.6	92.4	1	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	13		Male	4	Mohawk River	20	1	237	103.1	93.6	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	19		Male	4	Mohawk River	20	1	237	99.6	89.3	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	26		Female	4	Mohawk River	16	1	237	93.3	85	1	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	194	107919	Female	4	Mohawk River	16	1	237			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	217	107942	Male	4	Mohawk River	20	1	237			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	274	107996	Female	4	Mohawk River	16	1	237			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	283	110355	Female	4	Mohawk River	16	1	237			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	285	110357	Male	4	Mohawk River	20	1	237			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	290	110362	Undetermined	4	Mohawk River	24	1	237			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	321	110393	Female	4	Mohawk River	16	1	237			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	364	110435	Male	4	Mohawk River	20	1	237			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	402	110473	Male	4	Mohawk River	20	1	237			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	412	110482	Female	4	Mohawk River	16	1	237			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	425	110495	Male	4	Mohawk River	20	1	237			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	436	110506	Male	4	Mohawk River	20	1	237			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	20	110020	Female	4	Mohawk River	16	1	237			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	30	110030	Male	4	Mohawk River	20	1	237			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	34	110034	Female	4	Mohawk River	16	1	237			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	36	110036	Male	4	Mohawk River	20	1	237			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	70	110070	Male	4	Mohawk River	20	1	237			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	94	110094	Male	4	Mohawk River	20	1	237			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	114	110114	Female	4	Mohawk River	16	1	237			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	117	110117	Female	4	Mohawk River	16	1	237			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	151	110151	Male	4	Mohawk River	20	1	237			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	166	110166	Female	4	Mohawk River	16	1	237			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	212	110212	Female	4	Mohawk River	16	1	237			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	214	110214	Female	4	Mohawk River	16	1	237			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	223	110223	Male	4	Mohawk River	20	1	237			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	302	110302	Female	4	Mohawk River	16	1	237			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	305	110305	Undetermined	4	Mohawk River	24	1	237			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	307	110307	Male	4	Mohawk River	20	1	237			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	1	110310	Undetermined	4	Mohawk River	24	1	237			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	25	110334	Female	4	Mohawk River	16	1	237			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	26	110335	Female	4	Mohawk River	16	1	237			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	37	110346	Male	4	Mohawk River	20	1	237			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	59	110768	Female	4	Mohawk River	16	1	237			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	83	110791	Undetermined	4	Mohawk River	24	1	237			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	85	110793	Female	4	Mohawk River	16	1	237			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	104	110811	Female	4	Mohawk River	16	1	237			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	135	110841	Female	4	Mohawk River	16	1	237			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	5	110943	Female	4	Mohawk River	16	1	237			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	12	110949	Female	4	Mohawk River	16	1	237			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	48	110984	Male	4	Mohawk River	20	1	237			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	50	110986	Male	4	Mohawk River	20	1	237			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	55	110991	Female	4	Mohawk River	16	1	237			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	67	110553	Female	4	Mohawk River	16	1	237			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	75		Female	4	Mohawk River	16	1	237			1	6	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	77	110562	Male	4	Mohawk River	20	1	237			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	89	110574	Male	4	Mohawk River	20	1	237			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	158	110641	Male	4	Mohawk River	20	1	237			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	165	110648	Female	4	Mohawk River	16	1	237			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	23	111022	Male	4	Mohawk River	20	1	237			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	41	111038	Female	4	Mohawk River	16	1	237			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	45	111041	Female	4	Mohawk River	16	1	237			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	56	111052	Female	4	Mohawk River	16	1	237			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	62	111058	Female	4	Mohawk River	16	1	237			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	76	111071	Female	4	Mohawk River	16	1	237			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	222	111209	Undetermined	4	Mohawk River	24	1	237			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	229	111216	Male	4	Mohawk River	20	1	237			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	232	111219	Undetermined	4	Mohawk River	24	1	237			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	279	111264	Undetermined	4	Mohawk River	24	1	237			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	289	111274	Male	4	Mohawk River	20	1	237			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9

															Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	316	111301	Male	4	Mohawk River	20	1	237			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	17		Female	4	Mohawk River	16	1	237			1	6	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	1	108050	Undetermined	4	Mohawk River	24	1	237			4	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	3	108052	Male	4	Mohawk River	20	1	237			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	59	110652	Male	4	Mohawk River	20	1	237			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	63	110655	Female	4	Mohawk River	16	1	237			1	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	69	110660	Male	4	Mohawk River	20	1	237			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	5		Male	4	Mohawk River	20	1	237			2	6	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	8	110675	Undetermined	4	Mohawk River	24	1	237			4	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	11		Female	4	Mohawk River	16	1	237			1	6	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	26	110691	Male	4	Mohawk River	20	1	237			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	41	110704	Female	4	Mohawk River	16	1	237			1	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	42	110705	Male	4	Mohawk River	20	1	237			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	35	111314	Female	4	Mohawk River	16	1	237			1	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	40	111319	Male	4	Mohawk River	20	1	237			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	15	111377	Undetermined	4	Mohawk River	24	1	237			4	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	28	111389	Undetermined	4	Mohawk River	24	1	237			4	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	60	111419	Male	4	Mohawk River	20	1	237			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	25		Female	4	Mohawk River	16	1	237	99.8	93.1	2	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	30		Female	4	Mohawk River	16	1	237	96.1	83.1	3	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	4	111505	Male	4	Mohawk River	20	1	237			2	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	22	111523	Female	4	Mohawk River	16	1	237			1	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	8	111558	Male	4	Mohawk River	20	1	237			2	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	9
Blueback Herring	30		Female	4	Mohawk River	16	1	237	84.7	79.7	1	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	8		Male	4	Mohawk River	20	1	237			2	6	6/17/1999	6/17/1999	45	0.75	Hours	Scap net/Lift net	44	Schoharie Region	3	61	3	
Blueback Herring	1		Male	4	Mohawk River	20	1	237	102	99	3	3	6/21/1999	6/21/1999	75	1.25	Hours	Angling	41	Waterford Region	5	1	3	9
Blueback Herring	13		Male	4	Mohawk River	20	1	237	91	86.4	2	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	44		Male	4	Mohawk River	20	1	237	95	88.2	2	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	8		Male	4	Mohawk River	20	1	237	79.5	76.1	3	3	6/23/1999	6/23/1999	20	0.333333333	Hours	Angling	45	Little Falls River	5	70	3	
Blueback Herring	8		Male	4	Mohawk River	20	1	237	89.5	84.3	2	3	6/30/1999	6/30/1999	130	2.166666667	Hours	Angling	44	Schoharie Region	5	64	3	9
Blueback Herring	6		Male	4	Mohawk River	20	1	237	92.1	87.6	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	10		Female	4	Mohawk River	16	1	237	109.3	104.2	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	28		Male	4	Mohawk River	20	1	237	89.1	87.7	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	42		Female	4	Mohawk River	16	1	237	103.2	92.1	1	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	76	115426	Male	4	Mohawk River	20	1	237			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	96	115446	Male	4	Mohawk River	20	1	237			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	119	116156	Male	4	Mohawk River	20	1	237			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region	2	3	3	6
Blueback Herring	141	116178	Female	4	Mohawk River	16	1	237			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region	2	3	3	6
Blueback Herring	47	117396	Male	4	Mohawk River	20	1	237			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region	2	3	3	6
Blueback Herring	116	117686	Undetermined	4	Mohawk River	24	1	237			4	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region	2	3	3	6
Blueback Herring	120	117690	Male	4	Mohawk River	20	1	237			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region	2	3	3	6
Blueback Herring	1	118005	Female	4	Mohawk River	16	1	237			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region	2	3	3	9
Blueback Herring	71	118075	Male	4	Mohawk River	20	1	237			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region	2	3	3	9
Blueback Herring	10	118120	Male	4	Mohawk River	20	1	237			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region	2	3	3	9
Blueback Herring	16	118126	Male	4	Mohawk River	20	1	237			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region	2	3	3	9
Blueback Herring	98	118208	Male	4	Mohawk River	20	1	237			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region	2	3	3	9
Blueback Herring	39		Male	4	Mohawk River	20	1	237	94.6	91.1	2	3	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region	2	3	3	9
Blueback Herring	24	117822	Male	4	Mohawk River	20	1	237			2	1	6/13/2000	6/13/2000	220	11	Hours	Angling	43	Amsterdam Region	44	3	3	9
Blueback Herring	17	117876	Male	4	Mohawk River	20	1	237			2	1	6/21/2000	6/21/2000	310	10.33333333	Hours	Angling	43	Amsterdam Region	44	3	3	9
Blueback Herring	45		Male	4	Mohawk River	20	1	237			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region	1	3	3	2
Blueback Herring	78		Male	4	Mohawk River	20	1	237			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region	1	3	3	7
Blueback Herring	151		Male	4	Mohawk River	20	1	237			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region	1	3	3	7
Blueback Herring	246		Male	4	Mohawk River	20	1	237			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region	1	3	3	7
Blueback Herring	349		Male	4	Mohawk River	20	1	237			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region	1	3	3	7
Blueback Herring	65	121328	Male	4	Mohawk River	20	1	237			2	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region	1	3	3	9
Blueback Herring	134		Male	4	Mohawk River	20	1	237			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region	1	3	3	2
Blueback Herring	26		Female	4	Mohawk River	16	1	237	119.7	105.5	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region	1	3	3	
Blueback Herring	105		Male	4	Mohawk River	20	1	237			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region	1	3	3	9
Blueback Herring	159		Male	4	Mohawk River	20	1	237			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region	1	3	3	9
Blueback Herring	189		Male	4	Mohawk River	20	1	237			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region	1	3	3	9
Blueback Herring	42		Male	4	Mohawk River	20	1	237			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region	1	3	3	9
Blueback Herring	108		Female	4	Mohawk River	16	1	237			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region	1	3	3	9
Blueback Herring	4		Female	4	Mohawk River	16	1	237	103.7	97.1	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region	1	3	3	9
Blueback Herring	52		Male	4	Mohawk River	20	1	237	115.4	105	2	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region	1	3	3	9
Blueback Herring	62		Female	4	Mohawk River	16	1	237			3	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region	12	3	3	9
Blueback Herring	43		Male	4	Mohawk River	20	1	237			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region	1	3	3	
Blueback Herring	55		Male	4	Mohawk River	20	1	237			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region	1	3	3	
Blueback Herring	14		Female	4	Mohawk River	16	1	237			1	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region	23	3	3	9
Blueback Herring	85		Female	4	Mohawk River	16	1	237	96.6	90.7	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region	12	3	3	9
Blueback Herring	47		Male	4	Mohawk River	20	1	237			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region	12	3	3	9
Blueback Herring	82		Male	4	Mohawk River	20	1	237			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region	12	3	3	9
Blueback Herring	1		Male	4	Mohawk River	20	1	237			2	6	6/5/2001	6/5/2001	80	2.666666667	Hours	Angling	43	Amsterdam Region	38	3	3	9
Blueback Herring	82		Male	4	Mohawk River	20	1	237			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region	1	3	3	9
Blueback Herring	116		Male	4	Mohawk River	20	1	237			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region	1	3	3	9

Adult BBH Data

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SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	64		Male	4	Mohawk River	20	1	237	99.9	95.4	3	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	28		Male	4	Mohawk River	20	1	237			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	10		Male	4	Mohawk River	20	1	237			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	71	100437	Male	4	Mohawk River	20	1	238			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	88	100454	Male	4	Mohawk River	20	1	238			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	71	100537	Female	4	Mohawk River	16	1	238			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	3	100559	Female	4	Mohawk River	16	1	238			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	14	100570	Female	4	Mohawk River	16	1	238			1	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	91		Female	4	Mohawk River	16	1	238	114.3	94	1	3	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	18	100663	Female	4	Mohawk River	16	1	238			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	120	100758	Male	4	Mohawk River	20	1	238			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	141	100778	Female	4	Mohawk River	16	1	238			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	189		Female	4	Mohawk River	16	1	238			3	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	60	100933	Female	4	Mohawk River	16	1	238			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	90	100957	Undetermined	4	Mohawk River	24	1	238			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	95	100960	Male	4	Mohawk River	20	1	238			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	151	109009	Female	4	Mohawk River	16	1	238			3	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	165	109023	Male	4	Mohawk River	20	1	238			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	214	109068	Female	4	Mohawk River	16	1	238			3	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	2	109114	Male	4	Mohawk River	20	1	238			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	17	109123	Male	4	Mohawk River	20	1	238			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	10	109136	Female	4	Mohawk River	16	1	238			1	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	20	109146	Female	4	Mohawk River	16	1	238			1	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	62	101155	Male	4	Mohawk River	20	1	238			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	97	101190	Male	4	Mohawk River	20	1	238			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	52	101262	Male	4	Mohawk River	20	1	238			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	69	101279	Male	4	Mohawk River	20	1	238			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	104	101314	Male	4	Mohawk River	20	1	238			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	137	101347	Male	4	Mohawk River	20	1	238			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	141	101351	Male	4	Mohawk River	20	1	238			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	184	101394	Male	4	Mohawk River	20	1	238			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	29	104029	Male	4	Mohawk River	20	1	238			2	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	8		Female	4	Mohawk River	16	1	238			1	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	46		Male	4	Mohawk River	20	1	238	115.6	102.3	2	3	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	60	104263	Male	4	Mohawk River	20	1	238			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	210	104413	Female	4	Mohawk River	16	1	238			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	397	104600	Male	4	Mohawk River	20	1	238			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	409	104612	Male	4	Mohawk River	20	1	238			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	27		Female	4	Mohawk River	16	1	238	119.2	100	1	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	86	104699	Male	4	Mohawk River	20	1	238			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	42		Male	4	Mohawk River	20	1	238	96.9	88.9	2	3	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	74	106046	Female	4	Mohawk River	16	1	238			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	79	106041	Female	4	Mohawk River	16	1	238			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	100	106020	Male	4	Mohawk River	20	1	238			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	182	106113	Female	4	Mohawk River	16	1	238			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	228	106160	Male	4	Mohawk River	20	1	238			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	294	106226	Male	4	Mohawk River	20	1	238			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	304	106236	Male	4	Mohawk River	20	1	238			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	334	106266	Male	4	Mohawk River	20	1	238			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	386	106318	Male	4	Mohawk River	20	1	238			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	403	106336	Male	4	Mohawk River	20	1	238			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	441	106374	Male	4	Mohawk River	20	1	238			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	448	106381	Male	4	Mohawk River	20	1	238			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	10	106465	Female	4	Mohawk River	16	1	238			3	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	14	106469	Male	4	Mohawk River	20	1	238			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	21	106517	Female	4	Mohawk River	16	1	238			1	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	14	106603	Male	4	Mohawk River	20	1	238			2	1	6/9/1999	6/9/1999	63	1.05	Hours	Angling	44	Schoharie Region	2	52	3	1
Blueback Herring	21	106629	Undetermined	4	Mohawk River	24	1	238			4	1	6/10/1999	6/10/1999	75	1.25	Hours	Angling	43	Amsterdam Region	3	28	3	7
Blueback Herring	9		Male	4	Mohawk River	20	1	238	90.4	84.1	3	3	6/15/1999	6/15/1999				Angling	43	Amsterdam Region	2	28	3	
Blueback Herring	3		Female	4	Mohawk River	16	1	238	113.1	98.7	3	3	6/16/1999	6/16/1999	60	1	Hours	Angling	44	Schoharie Region	3	44	3	
Blueback Herring	20		Male	4	Mohawk River	20	1	238	87.2	81	2	3	6/16/1999	6/16/1999	60	1	Hours	Angling	44	Schoharie Region	3	44	3	
Blueback Herring	19		Male	4	Mohawk River	20	1	238	93.5	88.5	2	3	6/17/1999	6/17/1999	90	1.5	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	30	105201	Male	4	Mohawk River	20	1	238			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	66	105237	Male	4	Mohawk River	20	1	238			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	287	105458	Male	4	Mohawk River	20	1	238			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	5	105479	Male	4	Mohawk River	20	1	238			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	43	105517	Female	4	Mohawk River	16	1	238			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	48	105522	Female	4	Mohawk River	16	1	238			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	59	105533	Female	4	Mohawk River	16	1	238			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	93	105567	Male	4	Mohawk River	20	1	238			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	141	105615	Female	4	Mohawk River	16	1	238			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	153	105627	Male	4	Mohawk River	20	1	238			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	11	105698	Male	4	Mohawk River	20	1	238			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	107	105793	Male	4	Mohawk River	20	1	238			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	147	105834	Female	4	Mohawk River	16	1	238			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	156	105843	Male	4	Mohawk River	20	1	238			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	172	105859	Male	4	Mohawk River	20	1	238			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	176	105863	Male	4	Mohawk River	20	1	238			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	188	105875	Male	4	Mohawk River	20	1	238			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	25	107117	Male	4	Mohawk River	20	1	238			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	50	107142	Male	4	Mohawk River	20	1	238			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	65	107157	Male	4	Mohawk River	20	1	238			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	129	107501	Female	4	Mohawk River	16	1	238			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	137	107509	Male	4	Mohawk River	20	1	238			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	140	107512	Female	4	Mohawk River	16	1	238			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	189	107560	Male	4	Mohawk River	20	1	238			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	221	107592	Male	4	Mohawk River	20	1	238			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	268	107638	Female	4	Mohawk River	16	1	238			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	278	107648	Female	4	Mohawk River	16	1	238			3	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	313	107683	Female	4	Mohawk River	16	1	238			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	318	107688	Male	4	Mohawk River	20	1	238			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	323	107693	Male	4	Mohawk River	20	1	238			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	1	107001	Female	4	Mohawk River	16	1	238			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	14	107014	Male	4	Mohawk River	20	1	238			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	69	107068	Male	4	Mohawk River	20	1	238			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	76	107075	Female	4	Mohawk River	16	1	238			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	112		Female	4	Mohawk River	16	1	238			1	6	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	138	107287	Male	4	Mohawk River	20	1	238			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	142	107291	Female	4	Mohawk River	16	1	238			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	188	107337	Female	4	Mohawk River	16	1	238			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	191	107340	Female	4	Mohawk River	16	1	238			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	212	107361	Female	4	Mohawk River	16	1	238			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	243	107392	Female	4	Mohawk River	16	1	238			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	261	107410	Female	4	Mohawk River	16	1	238			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	264	107413	Male	4	Mohawk River	20	1	238			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	287	107436	Male	4	Mohawk River	20	1	238			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	293	107442	Female	4	Mohawk River	16	1	238			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	382	107729	Female	4	Mohawk River	16	1	238			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	412	107759	Male	4	Mohawk River	20	1	238			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	420	107767	Female	4	Mohawk River	16	1	238			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	431	107777	Male	4	Mohawk River	20	1	238			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	11		Female	4	Mohawk River	16	1	238	110.3	89.6	1	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	47		Female	4	Mohawk River	16	1	238	100	93.4	3	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	52		Male	4	Mohawk River	20	1	238	107.8	95.4	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	75		Female	4	Mohawk River	16	1	238			1	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	98	107825	Female	4	Mohawk River	16	1	238			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	104	107831	Male	4	Mohawk River	20	1	238			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	132	107859	Undetermined	4	Mohawk River	24	1	238			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	141	107868	Male	4	Mohawk River	20	1	238			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	168	107893	Undetermined	4	Mohawk River	24	1	238			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	176	107901	Female	4	Mohawk River	16	1	238			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	184	107909	Male	4	Mohawk River	20	1	238			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	188	107913	Male	4	Mohawk River	20	1	238			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	192	107917	Female	4	Mohawk River	16	1	238			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	193	107918	Male	4	Mohawk River	20	1	238			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	218	107943	Male	4	Mohawk River	20	1	238			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	242	107967	Female	4	Mohawk River	16	1	238			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	244	107969	Female	4	Mohawk River	16	1	238			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	252	107975	Female	4	Mohawk River	16	1	238			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	253	107976	Male	4	Mohawk River	20	1	238			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	254	107977	Male	4	Mohawk River	20	1	238			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	273	107995	Female	4	Mohawk River	16	1	238			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	300	110372	Male	4	Mohawk River	20	1	238			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	305	110377	Female	4	Mohawk River	16	1	238			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	323	110395	Undetermined	4	Mohawk River	24	1	238			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	345	110416	Female	4	Mohawk River	16	1	238			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	362	110433	Male	4	Mohawk River	20	1	238			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	368	110439	Female	4	Mohawk River	16	1	238			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	375	110446	Female	4	Mohawk River	16	1	238			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	384	110455	Male	4	Mohawk River	20	1	238			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	391	110462	Male	4	Mohawk River	20	1	238			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	416	110486	Male	4	Mohawk River	20	1	238			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	424	110494	Male	4	Mohawk River	20	1	238			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	441	110511	Male	4	Mohawk River	20	1	238			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	448	110516	Female	4	Mohawk River	16	1	238			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	471	110536	Male	4	Mohawk River	20	1	238			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	472	110537	Female	4	Mohawk River	16	1	238			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	18	110018	Male	4	Mohawk River	20	1	238			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	35	110035	Male	4	Mohawk River	20	1	238			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	140	110140	Female	4	Mohawk River	16	1	238			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	154	110154	Female	4	Mohawk River	16	1	238			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	184	110184	Male	4	Mohawk River	20	1	238			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	190	110190	Female	4	Mohawk River	16	1	238			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	192	110192	Male	4	Mohawk River	20	1	238			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	196	110196	Female	4	Mohawk River	16	1	238			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	245	110245	Female	4	Mohawk River	16	1	238			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	250	110250	Male	4	Mohawk River	20	1	238			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	270	110270	Female	4	Mohawk River	16	1	238			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	56	110765	Male	4	Mohawk River	20	1	238			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	76	110784	Female	4	Mohawk River	16	1	238			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	79	110787	Female	4	Mohawk River	16	1	238			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	82	110790	Female	4	Mohawk River	16	1	238			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	94	110802	Male	4	Mohawk River	20	1	238			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	109	110816	Male	4	Mohawk River	20	1	238			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	177	110881	Female	4	Mohawk River	16	1	238			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	199	110903	Female	4	Mohawk River	16	1	238			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	212	110916	Female	4	Mohawk River	16	1	238			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	215	110919	Female	4	Mohawk River	16	1	238			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	233	110937	Female	4	Mohawk River	16	1	238			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	19	110956	Male	4	Mohawk River	20	1	238			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	85	110570	Male	4	Mohawk River	20	1	238			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	141	110624	Male	4	Mohawk River	20	1	238			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	1	111001	Male	4	Mohawk River	20	1	238			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	4	111004	Female	4	Mohawk River	16	1	238			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	51	111047	Male	4	Mohawk River	20	1	238			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	74	111069	Male	4	Mohawk River	20	1	238			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	125	111116	Male	4	Mohawk River	20	1	238			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	126	111117	Undetermined	4	Mohawk River	24	1	238			3	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	142	111132	Male	4	Mohawk River	20	1	238			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	150	111139	Female	4	Mohawk River	16	1	238			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	162	111151	Female	4	Mohawk River	16	1	238			3	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	176	111165	Female	4	Mohawk River	16	1	238			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	195	111184	Male	4	Mohawk River	20	1	238			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	226	111213	Undetermined	4	Mohawk River	24	1	238			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	250		Male	4	Mohawk River	20	1	238			2	6	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	273	111258	Male	4	Mohawk River	20	1	238			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	16	108025	Female	4	Mohawk River	16	1	238			1	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	35	108042	Female	4	Mohawk River	16	1	238			1	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	41	108048	Male	4	Mohawk River	20	1	238			2	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	15	108062	Male	4	Mohawk River	20	1	238			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	10	110677	Male	4	Mohawk River	20	1	238			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	37	110700	Undetermined	4	Mohawk River	24	1	238			4	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	31		Male	4	Mohawk River	20	1	238			2	6	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	36	111315	Male	4	Mohawk River	20	1	238			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	14	111376	Male	4	Mohawk River	20	1	238			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	50	111409	Male	4	Mohawk River	20	1	238			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	66	111424	Male	4	Mohawk River	20	1	238			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	26		Female	4	Mohawk River	16	1	238	101.5	93.6	2	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	34		Female	4	Mohawk River	16	1	238	112.6	90.8	2	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	9	111510	Male	4	Mohawk River	20	1	238			2	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	1		Female	4	Mohawk River	16	1	238			2	6	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	9
Blueback Herring	35		Male	4	Mohawk River	20	1	238	109.3	103.6	2	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	5		Male	4	Mohawk River	20	1	238			2	6	6/17/1999	6/17/1999	45	0.75	Hours	Scap net/Lift net	44	Schoharie Region	3	61	3	
Blueback Herring	24		Female	4	Mohawk River	16	1	238	101.5	97.6	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	3	115353	Male	4	Mohawk River	20	1	238			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	47	115397	Undetermined	4	Mohawk River	24	1	238			4	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	25	116062	Female	4	Mohawk River	16	1	238			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	174	116211	Male	4	Mohawk River	20	1	238			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	190	116227	Male	4	Mohawk River	20	1	238			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	202	116239	Male	4	Mohawk River	20	1	238			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	221	116258	Male	4	Mohawk River	20	1	238			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	235	116272	Male	4	Mohawk River	20	1	238			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	252	116289	Male	4	Mohawk River	20	1	238			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	15		Male	4	Mohawk River	20	1	238	122.4	117.7	1	3	5/16/2000	5/16/2000	20	0.333333333	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	1	2
Blueback Herring	27	117377	Male	4	Mohawk River	20	1	238			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	42	117391	Male	4	Mohawk River	20	1	238			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	106	117676	Male	4	Mohawk River	20	1	238			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	113	117683	Female	4	Mohawk River	16	1	238			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	24		Female	4	Mohawk River	16	1	238	123.4	103.2	1	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	38		Male	4	Mohawk River	20	1	238	112.2	101.9	2	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	40	118254	Male	4	Mohawk River	20	1	238			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	52	118266	Male	4	Mohawk River	20	1	238			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	101	118315	Male	4	Mohawk River	20	1	238			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	179		Male	4	Mohawk River	20	1	238	109.6	99.9	2	3	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	23	118387	Male	4	Mohawk River	20	1	238			2	1	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	13	118439	Male	4	Mohawk River	20	1	238			2	1	6/5/2000	6/5/2000	190	9.5	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	17	118443	Male	4	Mohawk River	20	1	238			2	1	6/5/2000	6/5/2000	190	9.5	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	30		Male	4	Mohawk River	20	1	238	100.8	96.4	3	3	6/5/2000	6/5/2000	190	9.5	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	21	117819	Male	4	Mohawk River	20	1	238			2	1	6/13/2000	6/13/2000	220	11	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	83		Male	4	Mohawk River	20	1	238			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	116		Male	4	Mohawk River	20	1	238			2	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	256		Male	4	Mohawk River	20	1	238			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	343		Male	4	Mohawk River	20	1	238			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	12	121531	Male	4	Mohawk River	20	1	238			3	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	36	121550	Male	4	Mohawk River	20	1	238			2	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	38		Male	4	Mohawk River	20	1	238	117.8	106	2	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	154		Male	4	Mohawk River	20	1	238			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	194		Female	4	Mohawk River	16	1	238			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	55		Male	4	Mohawk River	20	1	238			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	17		Male	4	Mohawk River	20	1	238			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	19		Male	4	Mohawk River	20	1	238	95.3	91.6	3	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	23		Female	4	Mohawk River	16	1	238	121.1	102.4	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	42		Female	4	Mohawk River	16	1	238			3	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	108		Undetermined	4	Mohawk River	24	1	238			4	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	109		Male	4	Mohawk River	20	1	238			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	10		Male	4	Mohawk River	20	1	238	101.4	91.3	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	77		Female	4	Mohawk River	16	1	238	126	103.9	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	40		Female	4	Mohawk River	16	1	238			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	72		Female	4	Mohawk River	16	1	238			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	147		Female	4	Mohawk River	16	1	238			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	25		Male	4	Mohawk River	20	1	238			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	126		Male	4	Mohawk River	20	1	239	112.7	100.4	2	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	2	100468	Male	4	Mohawk River	20	1	239			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	25	100491	Male	4	Mohawk River	20	1	239			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	58	100524	Male	4	Mohawk River	20	1	239			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	43	100599	Male	4	Mohawk River	20	1	239			4	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	44	100600	Male	4	Mohawk River	20	1	239			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	17	100662	Female	4	Mohawk River	16	1	239			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	58	100701	Female	4	Mohawk River	16	1	239			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	205	100829	Undetermined	4	Mohawk River	24	1	239			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	231	100855	Male	4	Mohawk River	20	1	239			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	234	100858	Female	4	Mohawk River	16	1	239			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	242	100866	Male	4	Mohawk River	20	1	239			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	15	100891	Male	4	Mohawk River	20	1	239			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	17	100893	Female	4	Mohawk River	16	1	239			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	51	100925	Female	4	Mohawk River	16	1	239			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	80	100951	Female	4	Mohawk River	16	1	239			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	89	100956	Male	4	Mohawk River	20	1	239			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	94	100959	Male	4	Mohawk River	20	1	239			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	110	100974	Female	4	Mohawk River	16	1	239			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	120	100984	Male	4	Mohawk River	20	1	239			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	122	100986	Male	4	Mohawk River	20	1	239			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	217	109071	Male	4	Mohawk River	20	1	239			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	20	101062	Female	4	Mohawk River	16	1	239			1	1	5/11/1999	5/11/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	24	101066	Male	4	Mohawk River	20	1	239			2	1	5/11/1999	5/11/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	41	101134	Male	4	Mohawk River	20	1	239			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	109	101202	Male	4	Mohawk River	20	1	239			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	143	101353	Male	4	Mohawk River	20	1	239			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	192	101402	Male	4	Mohawk River	20	1	239			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	7	104007	Female	4	Mohawk River	16	1	239			1	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	44		Male	4	Mohawk River	20	1	239	119.2	106.1	2	3	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	11	104047	Female	4	Mohawk River	16	1	239			3	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	41	104173	Male	4	Mohawk River	20	1	239			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	48	104180	Male	4	Mohawk River	20	1	239			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	32	104235	Male	4	Mohawk River	20	1	239			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	174	104377	Female	4	Mohawk River	16	1	239			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	212	104415	Female	4	Mohawk River	16	1	239			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	330	104533	Female	4	Mohawk River	16	1	239			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	345	104548	Female	4	Mohawk River	16	1	239			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	410	104613	Male	4	Mohawk River	20	1	239			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	26		Male	4	Mohawk River	20	1	239	104.1	91.6	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	37		Male	4	Mohawk River	20	1	239	111.6	98.6	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	38		Male	4	Mohawk River	20	1	239	105.8	95.7	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	43		Male	4	Mohawk River	20	1	239	114.6	101.3	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	

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																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	9	104622	Female	4	Mohawk River	16	1	239			1	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	52	104665	Female	4	Mohawk River	16	1	239			1	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	62	104675	Male	4	Mohawk River	20	1	239			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	5	104740	Male	4	Mohawk River	20	1	239			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	7	104742	Male	4	Mohawk River	20	1	239			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	36	104771	Male	4	Mohawk River	20	1	239			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	12	104789	Male	4	Mohawk River	20	1	239			2	1	5/26/1999	5/26/1999	100	1.666666667	Hours	Angling	43	Amsterdam Region	2	34	3	
Blueback Herring	12	104814	Male	4	Mohawk River	20	1	239			2	1	5/27/1999	5/27/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	28	104856	Female	4	Mohawk River	16	1	239			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	61	104890	Female	4	Mohawk River	16	1	239			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	92	104923	Male	4	Mohawk River	20	1	239			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	10	104941	Female	4	Mohawk River	16	1	239			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	126	106057	Male	4	Mohawk River	20	1	239			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	169	106100	Female	4	Mohawk River	16	1	239			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	200	106132	Female	4	Mohawk River	16	1	239			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	211	106143	Female	4	Mohawk River	16	1	239			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	250	106182	Male	4	Mohawk River	20	1	239			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	278	106210	Male	4	Mohawk River	20	1	239			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	306	106238	Male	4	Mohawk River	20	1	239			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	348	106280	Male	4	Mohawk River	20	1	239			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	351	106283	Male	4	Mohawk River	20	1	239			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	388	106320	Female	4	Mohawk River	16	1	239			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	443	106376	Male	4	Mohawk River	20	1	239			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	458	106391	Male	4	Mohawk River	20	1	239			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	473	106406	Female	4	Mohawk River	16	1	239			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	477	106410	Female	4	Mohawk River	16	1	239			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	17	106472	Male	4	Mohawk River	20	1	239			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	20	106516	Male	4	Mohawk River	20	1	239			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	41	106537	Female	4	Mohawk River	16	1	239			1	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	9	106598	Male	4	Mohawk River	20	1	239			2	1	6/9/1999	6/9/1999	63	1.05	Hours	Angling	44	Schoharie Region	2	52	3	1
Blueback Herring	5	106611	Undetermined	4	Mohawk River	24	1	239			4	1	6/10/1999	6/10/1999	75	1.25	Hours	Angling	43	Amsterdam Region	3	28	3	7
Blueback Herring	2		Female	4	Mohawk River	16	1	239	116.6	106	3	3	6/15/1999	6/15/1999	95	1.583333333	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	10		Male	4	Mohawk River	20	1	239	89.6	85.3	3	3	6/15/1999	6/15/1999				Angling	43	Amsterdam Region	2	28	3	
Blueback Herring	18		Female	4	Mohawk River	16	1	239	113.5	104.9	2	3	6/15/1999	6/15/1999				Angling	43	Amsterdam Region	2	28	3	
Blueback Herring	27	105198	Male	4	Mohawk River	20	1	239			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	33	105204	Male	4	Mohawk River	20	1	239			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	161	105332	Female	4	Mohawk River	16	1	239			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	60	105534	Male	4	Mohawk River	20	1	239			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	92	105778	Female	4	Mohawk River	16	1	239			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	100	105786	Female	4	Mohawk River	16	1	239			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	185	105872	Male	4	Mohawk River	20	1	239			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	189	105876	Male	4	Mohawk River	20	1	239			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	11	107103	Female	4	Mohawk River	16	1	239			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	77	107169	Female	4	Mohawk River	16	1	239			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	127	107249	Female	4	Mohawk River	16	1	239			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	163	107534	Male	4	Mohawk River	20	1	239			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	223	107594	Male	4	Mohawk River	20	1	239			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	255	107625	Female	4	Mohawk River	16	1	239			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	286	107656	Undetermined	4	Mohawk River	24	1	239			4	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	7	107007	Male	4	Mohawk River	20	1	239			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	13	107013	Male	4	Mohawk River	20	1	239			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	78	107077	Female	4	Mohawk River	16	1	239			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	153	107302	Male	4	Mohawk River	20	1	239			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	271	107420	Male	4	Mohawk River	20	1	239			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	275	107424	Male	4	Mohawk River	20	1	239			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	302	107451	Male	4	Mohawk River	20	1	239			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	380	107727	Female	4	Mohawk River	16	1	239			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	416	107763	Female	4	Mohawk River	16	1	239			3	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	9		Male	4	Mohawk River	20	1	239	98.9	91.7	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	18		Male	4	Mohawk River	20	1	239	102	94.1	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	27		Female	4	Mohawk River	16	1	239	110.5	93.7	1	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	50		Male	4	Mohawk River	20	1	239	97.1	94	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	69	107798	Male	4	Mohawk River	20	1	239			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	73	107802	Male	4	Mohawk River	20	1	239			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	164	107889	Male	4	Mohawk River	20	1	239			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	173	107898	Female	4	Mohawk River	16	1	239			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	213	107938	Female	4	Mohawk River	16	1	239			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	258	107981	Male	4	Mohawk River	20	1	239			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	266	107989	Male	4	Mohawk River	20	1	239			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	277	107999	Female	4	Mohawk River	16	1	239			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	342	110413	Female	4	Mohawk River	16	1	239			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	392	110463	Male	4	Mohawk River	20	1	239			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	444	110514	Female	4	Mohawk River	16	1	239			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9

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SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	7	110007	Female	4	Mohawk River	16	1	239			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	9	110009	Female	4	Mohawk River	16	1	239			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	16	110016	Female	4	Mohawk River	16	1	239			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	67	110067	Male	4	Mohawk River	20	1	239			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	89	110089	Female	4	Mohawk River	16	1	239			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	10	110947	Female	4	Mohawk River	16	1	239			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	113	110598	Male	4	Mohawk River	20	1	239			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	120	110605	Female	4	Mohawk River	16	1	239			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	140		Undetermined	4	Mohawk River	24	1	239			4	6	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	145	110628	Male	4	Mohawk River	20	1	239			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	156	110639	Female	4	Mohawk River	16	1	239			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	159	110642	Male	4	Mohawk River	20	1	239			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	233	111220	Male	4	Mohawk River	20	1	239			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	263	111248	Male	4	Mohawk River	20	1	239			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	295	111280	Undetermined	4	Mohawk River	24	1	239			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	29	108075	Female	4	Mohawk River	16	1	239			1	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	33		Female	4	Mohawk River	16	1	239			1	6	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	26	111352	Male	4	Mohawk River	20	1	239			2	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	75	111432	Female	4	Mohawk River	16	1	239			1	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	20		Female	4	Mohawk River	16	1	239	118.8	95.7	1	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	9		Male	4	Mohawk River	20	1	239			3	6	6/8/1999	6/8/1999				Angling	41	Waterford Region	2	1	3	9
Blueback Herring	12		Male	4	Mohawk River	20	1	239	85.7	43.1	2	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	1		Female	4	Mohawk River	16	1	239	94.7	86.8	1	3	6/22/1999	6/22/1999	120	2	Hours	Angling	45	Little Falls River	5	78	3	
Blueback Herring	5		Female	4	Mohawk River	16	1	239	114.1	98.2	1	3	6/22/1999	6/22/1999	120	2	Hours	Angling	45	Little Falls River	5	78	3	
Blueback Herring	12		Male	4	Mohawk River	20	1	239	108	102.3	3	3	6/22/1999	6/22/1999	20	0.333333333	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	44	115394	Male	4	Mohawk River	20	1	239			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	111	115461	Male	4	Mohawk River	20	1	239			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	85	116122	Undetermined	4	Mohawk River	24	1	239			4	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	89	116126	Male	4	Mohawk River	20	1	239			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	30	116430	Male	4	Mohawk River	20	1	239			2	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	34		Male	4	Mohawk River	20	1	239	114.5	101.1	2	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	19	117369	Male	4	Mohawk River	20	1	239			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	125	117695	Male	4	Mohawk River	20	1	239			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	3		Male	4	Mohawk River	20	1	239	109.1	99.9	2	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	4		Male	4	Mohawk River	20	1	239	110.6	101.7	2	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	11		Female	4	Mohawk River	16	1	239	117.9	99	1	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	72	118076	Male	4	Mohawk River	20	1	239			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	90	118304	Male	4	Mohawk River	20	1	239			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	11	117859	Male	4	Mohawk River	20	1	239			2	1	6/20/2000	6/20/2000	135	4.5	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	47		Male	4	Mohawk River	20	1	239			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	138		Undetermined	4	Mohawk River	24	1	239			4	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	148		Male	4	Mohawk River	20	1	239			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	252		Male	4	Mohawk River	20	1	239			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	267		Male	4	Mohawk River	20	1	239			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	72	121335	Male	4	Mohawk River	20	1	239			2	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	82	121345	Male	4	Mohawk River	20	1	239			2	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	12		Male	4	Mohawk River	20	1	239			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	55		Male	4	Mohawk River	20	1	239			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	82		Male	4	Mohawk River	20	1	239			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	116		Male	4	Mohawk River	20	1	239			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	103		Undetermined	4	Mohawk River	24	1	239			4	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	111		Female	4	Mohawk River	16	1	239			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	72		Male	4	Mohawk River	20	1	239	113.2	107.9	3	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	1		Male	4	Mohawk River	20	1	239			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	21		Male	4	Mohawk River	20	1	239			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	77		Male	4	Mohawk River	20	1	239			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	9		Male	4	Mohawk River	20	1	239	103.8	96.1	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	60		Male	4	Mohawk River	20	1	239	100.9	94.9	3	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	62		Male	4	Mohawk River	20	1	239	105.8	97.3	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	2		Female	4	Mohawk River	16	1	239			2	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	59		Male	4	Mohawk River	20	1	239			2	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	12		Male	4	Mohawk River	20	1	239			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	5		Female	4	Mohawk River	16	1	239			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	57		Male	4	Mohawk River	20	1	239			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	64		Male	4	Mohawk River	20	1	239			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	4	100369	Male	4	Mohawk River	20	1	240			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	6	100371	Male	4	Mohawk River	20	1	240			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	25	100391	Male	4	Mohawk River	20	1	240			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	72	100438	Male	4	Mohawk River	20	1	240			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	50	100516	Male	4	Mohawk River	20	1	240			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	6	100562	Undetermined	4	Mohawk River	24	1	240			4	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	25	100581	Male	4	Mohawk River	20	1	240			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	80	100635	Female	4	Mohawk River	16	1	240			1	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	92		Male	4	Mohawk River	20	1	240	98.1	95.8	2	3	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	97		Male	4	Mohawk River	20	1	240	87.8	85.6	3	3	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	34	100677	Male	4	Mohawk River	20	1	240			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	78	100717	Female	4	Mohawk River	16	1	240			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	79	100718	Undetermined	4	Mohawk River	24	1	240			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	91	100730	Female	4	Mohawk River	16	1	240			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	115	100753	Female	4	Mohawk River	16	1	240			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	117	100755	Male	4	Mohawk River	20	1	240			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	145	100781	Male	4	Mohawk River	20	1	240			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	163	100799	Female	4	Mohawk River	16	1	240			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	182	100813	Undetermined	4	Mohawk River	24	1	240			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	191	100819	Female	4	Mohawk River	16	1	240			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	226	100850	Female	4	Mohawk River	16	1	240			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	2	100878	Male	4	Mohawk River	20	1	240			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	8	100884	Female	4	Mohawk River	16	1	240			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	19	100895	Female	4	Mohawk River	16	1	240			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	97		Female	4	Mohawk River	16	1	240			3	6	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	109	100973	Female	4	Mohawk River	16	1	240			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	119	100983	Undetermined	4	Mohawk River	24	1	240			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	123	100987	Male	4	Mohawk River	20	1	240			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	166	109024	Male	4	Mohawk River	20	1	240			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	167	109025	Female	4	Mohawk River	16	1	240			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	169	109027	Undetermined	4	Mohawk River	24	1	240			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	171	109029	Female	4	Mohawk River	16	1	240			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	174	109032	Female	4	Mohawk River	16	1	240			3	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	183	109040	Female	4	Mohawk River	16	1	240			3	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	204	109060	Female	4	Mohawk River	16	1	240			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	207	109063	Undetermined	4	Mohawk River	24	1	240			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	258	109111	Male	4	Mohawk River	20	1	240			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	276		Female	4	Mohawk River	16	1	240	103.7	94.9	1	3	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	19		Male	4	Mohawk River	20	1	240			2	6	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	16	109142	Female	4	Mohawk River	16	1	240			1	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	10	101078	Male	4	Mohawk River	20	1	240			2	1	5/12/1999	5/12/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	16	101084	Female	4	Mohawk River	16	1	240			1	1	5/12/1999	5/12/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	23	101116	Male	4	Mohawk River	20	1	240			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	155	101365	Male	4	Mohawk River	20	1	240			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	189	101399	Male	4	Mohawk River	20	1	240			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	254	101464	Male	4	Mohawk River	20	1	240			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	12	104012	Male	4	Mohawk River	20	1	240			2	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	34	104034	Female	4	Mohawk River	16	1	240			1	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	38	104038	Male	4	Mohawk River	20	1	240			2	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	50		Female	4	Mohawk River	16	1	240	99.6	91.5	1	3	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	51	104183	Female	4	Mohawk River	16	1	240			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	60	104192	Female	4	Mohawk River	16	1	240			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	16	104219	Male	4	Mohawk River	20	1	240			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	86	104289	Female	4	Mohawk River	16	1	240			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	117	104320	Male	4	Mohawk River	20	1	240			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	142	104345	Male	4	Mohawk River	20	1	240			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	145	104348	Male	4	Mohawk River	20	1	240			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	282	104485	Female	4	Mohawk River	16	1	240			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	13		Female	4	Mohawk River	16	1	240	112.3	94.1	1	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	67		Male	4	Mohawk River	20	1	240	122.6	108.6	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	71		Male	4	Mohawk River	20	1	240	117.6	105.2	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	6	104619	Female	4	Mohawk River	16	1	240			1	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	34	104769	Male	4	Mohawk River	20	1	240			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	3	104821	Male	4	Mohawk River	20	1	240			2	1	5/27/1999	5/27/1999	82	1.366666667	Hours	Angling	42	Schenectady Region	4	23	3	
Blueback Herring	52	104880	Male	4	Mohawk River	20	1	240			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	90	104919	Male	4	Mohawk River	20	1	240			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	30	104961	Female	4	Mohawk River	16	1	240			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	82	106038	Female	4	Mohawk River	16	1	240			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	93	106027	Male	4	Mohawk River	20	1	240			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	105	106015	Female	4	Mohawk River	16	1	240			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	143	106074	Female	4	Mohawk River	16	1	240			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	151	106082	Female	4	Mohawk River	16	1	240			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	155	106086	Female	4	Mohawk River	16	1	240			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	158	106089	Male	4	Mohawk River	20	1	240			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	161	106092	Female	4	Mohawk River	16	1	240			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	166	106097	Female	4	Mohawk River	16	1	240			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	185	106116	Male	4	Mohawk River	20	1	240			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	251	106183	Female	4	Mohawk River	16	1	240			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	296	106228	Female	4	Mohawk River	16	1	240			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	315	106247	Female	4	Mohawk River	16	1	240			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	318	106250	Female	4	Mohawk River	16	1	240			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	328	106260	Male	4	Mohawk River	20	1	240			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	355	106287	Male	4	Mohawk River	20	1	240			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	413	106346	Female	4	Mohawk River	16	1	240			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	417	106350	Female	4	Mohawk River	16	1	240			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	445	106378	Male	4	Mohawk River	20	1	240			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	454	106387	Female	4	Mohawk River	16	1	240			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	468	106401	Female	4	Mohawk River	16	1	240			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	475	106408	Female	4	Mohawk River	16	1	240			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	1	106435	Male	4	Mohawk River	20	1	240			2	1	6/2/1999	6/2/1999	61	1.016666667	Hours	Angling	45	Little Falls River	2	78	3	
Blueback Herring	4	106438	Male	4	Mohawk River	20	1	240			2	1	6/2/1999	6/2/1999	61	1.016666667	Hours	Angling	45	Little Falls River	2	78	3	
Blueback Herring	31	106486	Male	4	Mohawk River	20	1	240			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	40	106495	Male	4	Mohawk River	20	1	240			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	8	106504	Female	4	Mohawk River	16	1	240			1	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	23	106519	Male	4	Mohawk River	20	1	240			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	26		Female	4	Mohawk River	16	1	240			1	9	6/4/1999	6/4/1999	15			Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	10	106575	Male	4	Mohawk River	20	1	240			2	1	6/7/1999	6/7/1999	98	1.633333333	Hours	Angling	42	Schenectady Region	4	23	3	6
Blueback Herring	19	106584	Female	4	Mohawk River	16	1	240			1	1	6/7/1999	6/7/1999	98	1.633333333	Hours	Angling	42	Schenectady Region	4	23	3	6
Blueback Herring	20		Male	4	Mohawk River	20	1	240	104.8	100.3	3	3	6/15/1999	6/15/1999				Angling	43	Amsterdam Region	2	28	3	
Blueback Herring	3	106638	Female	4	Mohawk River	16	1	240			3	9	6/16/1999	6/16/1999	210	3.5	Hours	Angling	43	Amsterdam Region	2	35	3	
Blueback Herring	124	105295	Male	4	Mohawk River	20	1	240			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	131	105302	Male	4	Mohawk River	20	1	240			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	283	105454	Male	4	Mohawk River	20	1	240			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	66	105540	Male	4	Mohawk River	20	1	240			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	90	105776	Male	4	Mohawk River	20	1	240			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	159	105846	Male	4	Mohawk River	20	1	240			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	175	105862	Male	4	Mohawk River	20	1	240			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	47	107139	Female	4	Mohawk River	16	1	240			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	70	107162	Female	4	Mohawk River	16	1	240			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	72	107164	Female	4	Mohawk River	16	1	240			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	88	107210	Female	4	Mohawk River	16	1	240			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	130	107502	Female	4	Mohawk River	16	1	240			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	133	107505	Female	4	Mohawk River	16	1	240			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	152	107524	Female	4	Mohawk River	16	1	240			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	158	107529	Undetermined	4	Mohawk River	24	1	240			4	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	190	107561	Male	4	Mohawk River	20	1	240			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	213	107584	Female	4	Mohawk River	16	1	240			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	40	107039	Female	4	Mohawk River	16	1	240			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	54	107053	Male	4	Mohawk River	20	1	240			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	154	107303	Male	4	Mohawk River	20	1	240			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	165	107314	Male	4	Mohawk River	20	1	240			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	179	107328	Male	4	Mohawk River	20	1	240			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	185	107334	Male	4	Mohawk River	20	1	240			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	226	107375	Male	4	Mohawk River	20	1	240			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	233	107382	Female	4	Mohawk River	16	1	240			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	325	107474	Female	4	Mohawk River	16	1	240			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	326	107475	Male	4	Mohawk River	20	1	240			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	392	107739	Female	4	Mohawk River	16	1	240			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	393	107740	Undetermined	4	Mohawk River	24	1	240			4	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	442	107788	Male	4	Mohawk River	20	1	240			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	449	107795	Female	4	Mohawk River	16	1	240			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	20		Female	4	Mohawk River	16	1	240	110.5	91.6	1	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	21		Male	4	Mohawk River	20	1	240	94.8	90.4	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	49		Male	4	Mohawk River	20	1	240	98	89.7	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	125	107852	Male	4	Mohawk River	20	1	240			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	154	107881	Male	4	Mohawk River	20	1	240			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	181	107906	Male	4	Mohawk River	20	1	240			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	232	107957	Female	4	Mohawk River	16	1	240			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	426	110496	Female	4	Mohawk River	16	1	240			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	449	110517	Female	4	Mohawk River	16	1	240			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	86	110086	Male	4	Mohawk River	20	1	240			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	91	110091	Female	4	Mohawk River	16	1	240			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	101	110101	Male	4	Mohawk River	20	1	240			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	127	110127	Female	4	Mohawk River	16	1	240			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	158	110158	Female	4	Mohawk River	16	1	240			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	172	110172	Male	4	Mohawk River	20	1	240			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	173	110173	Female	4	Mohawk River	16	1	240			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	268	110268	Male	4	Mohawk River	20	1	240			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	282	110282	Female	4	Mohawk River	16	1	240			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	296	110296	Female	4	Mohawk River	16	1	240			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	8	110317	Male	4	Mohawk River	20	1	240			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	34	110343	Male	4	Mohawk River	20	1	240			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	98	110806	Undetermined	4	Mohawk River	24	1	240			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	133	110839	Female	4	Mohawk River	16	1	240			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	145	110851	Male	4	Mohawk River	20	1	240			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	159	110865	Female	4	Mohawk River	16	1	240			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	169	110875	Undetermined	4	Mohawk River	24	1	240			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	176		Male	4	Mohawk River	20	1	240			2	6	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	217	110921	Undetermined	4	Mohawk River	24	1	240			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	16	110953	Male	4	Mohawk River	20	1	240			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	66	110552	Undetermined	4	Mohawk River	24	1	240			4	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	81	110566	Male	4	Mohawk River	20	1	240			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	86	110571	Male	4	Mohawk River	20	1	240			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	123	110608	Female	4	Mohawk River	16	1	240			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	154	110637	Female	4	Mohawk River	16	1	240			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	5	111005	Female	4	Mohawk River	16	1	240			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	92		Female	4	Mohawk River	16	1	240			3	6	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	172	111161	Female	4	Mohawk River	16	1	240			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	313	111298	Female	4	Mohawk River	16	1	240			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	32	108078	Undetermined	4	Mohawk River	24	1	240			4	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	21	110686	Male	4	Mohawk River	20	1	240			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	24	110689	Undetermined	4	Mohawk River	24	1	240			4	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	60	110720	Male	4	Mohawk River	20	1	240			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	10	110730	Male	4	Mohawk River	20	1	240			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	4	111334	Male	4	Mohawk River	20	1	240			2	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	8	111336	Female	4	Mohawk River	16	1	240			1	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	3	111366	Female	4	Mohawk River	16	1	240			1	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	4	111367	Male	4	Mohawk River	20	1	240			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	92	111446	Female	4	Mohawk River	16	1	240			1	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	5		Female	4	Mohawk River	16	1	240	98.9	90.3	1	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	32		Female	4	Mohawk River	16	1	240	114.1	93.8	2	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	6	111551	Female	4	Mohawk River	16	1	240			1	1	6/8/1999	6/8/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	9		Male	4	Mohawk River	20	1	240	102.1	89.9	2	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	3		Female	4	Mohawk River	16	1	240			1	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	15		Male	4	Mohawk River	20	1	240	89.8	85.7	3	3	6/22/1999	6/22/1999	20	0.333333333	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	4		Male	4	Mohawk River	20	1	240	84.1	80.6	2	3	6/23/1999	6/23/1999	20	0.333333333	Hours	Angling	45	Little Falls River	5	70	3	
Blueback Herring	1		Male	4	Mohawk River	20	1	240	88.2	84.7	2	3	6/30/1999	6/30/1999	110	1.833333333	Hours	Angling	44	Schoharie Region	5	64	3	9
Blueback Herring	4		Male	4	Mohawk River	20	1	240	99.9	95.4	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	35		Female	4	Mohawk River	16	1	240	104.2	101.7	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	77	115427	Male	4	Mohawk River	20	1	240			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	135	115485	Male	4	Mohawk River	20	1	240			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	150	115500	Female	4	Mohawk River	16	1	240			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	67	116104	Male	4	Mohawk River	20	1	240			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	99	116136	Male	4	Mohawk River	20	1	240			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	157	116194	Undetermined	4	Mohawk River	24	1	240			4	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	166	116203	Male	4	Mohawk River	20	1	240			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	34	117384	Male	4	Mohawk River	20	1	240			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	40	117389	Male	4	Mohawk River	20	1	240			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	67	117637	Male	4	Mohawk River	20	1	240			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	70	117640	Male	4	Mohawk River	20	1	240			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	79	117649	Male	4	Mohawk River	20	1	240			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	95	117665	Male	4	Mohawk River	20	1	240			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	127	117697	Male	4	Mohawk River	20	1	240			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	15		Male	4	Mohawk River	20	1	240	125.9	114.7	2	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region	2	3	9	
Blueback Herring	8	118012	Male	4	Mohawk River	20	1	240			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region	2	3	9	
Blueback Herring	22	118026	Male	4	Mohawk River	20	1	240			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region	2	3	9	
Blueback Herring	23	118027	Male	4	Mohawk River	20	1	240			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region	2	3	9	
Blueback Herring	85	118089	Male	4	Mohawk River	20	1	240			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region	2	3	9	
Blueback Herring	88	118092	Male	4	Mohawk River	20	1	240			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region	2	3	9	
Blueback Herring	24	118134	Male	4	Mohawk River	20	1	240			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region	2	3	9	
Blueback Herring	72	118182	Female	4	Mohawk River	16	1	240			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region	2	3	9	
Blueback Herring	80	118190	Male	4	Mohawk River	20	1	240			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region	2	3	9	
Blueback Herring	14	118228	Male	4	Mohawk River	20	1	240			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region	2	3	2	
Blueback Herring	67	118281	Female	4	Mohawk River	16	1	240			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region	2	3	2	
Blueback Herring	126	118340	Male	4	Mohawk River	20	1	240			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region	2	3	2	
Blueback Herring	170		Female	4	Mohawk River	16	1	240	116.4	94.6	1	3	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region	2	3	2	
Blueback Herring	15	118379	Male	4	Mohawk River	20	1	240			2	1	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region	2	3	9	
Blueback Herring	19	117817	Male	4	Mohawk River	20	1	240			2	1	6/13/2000	6/13/2000	220	11	Hours	Angling	43	Amsterdam Region	44	3	9	
Blueback Herring	20	117879	Male	4	Mohawk River	20	1	240			2	1	6/21/2000	6/21/2000	310	10.33333333	Hours	Angling	43	Amsterdam Region	44	3	9	
Blueback Herring	3	117882	Male	4	Mohawk River	20	1	240			2	1	6/21/2000	6/21/2000	25	0.833333333	Hours	Angling	43	Amsterdam Region	39	3	9	
Blueback Herring	96		Male	4	Mohawk River	20	1	240			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region	1	3	2	
Blueback Herring	2		Male	4	Mohawk River	20	1	240			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region	1	3	7	
Blueback Herring	26		Male	4	Mohawk River	20	1	240			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region	1	3	7	
Blueback Herring	75		Male	4	Mohawk River	20	1	240			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region	1	3	7	
Blueback Herring	15	121283	Undetermined	4	Mohawk River	24	1	240			4	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region	1	3	9	
Blueback Herring	50	121314	Male	4	Mohawk River	20	1	240			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region	1	3	9	
Blueback Herring	31	121545	Female	4	Mohawk River	16	1	240			1	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region	12	3	9	
Blueback Herring	33		Male	4	Mohawk River	20	1	240			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region	1	3	2	
Blueback Herring	45		Male	4	Mohawk River	20	1	240			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region	1	3	2	
Blueback Herring	30		Male	4	Mohawk River	20	1	240	116.4	104.5	2	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region	1	3		

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	39		Male	4	Mohawk River	20	1	240			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	55		Male	4	Mohawk River	20	1	240			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	134		Male	4	Mohawk River	20	1	240			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	163		Male	4	Mohawk River	20	1	240			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	29		Female	4	Mohawk River	16	1	240			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	73		Female	4	Mohawk River	16	1	240			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	45		Female	4	Mohawk River	16	1	240			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	65		Male	4	Mohawk River	20	1	240			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	34		Male	4	Mohawk River	20	1	240	116.3	104.8	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	38		Female	4	Mohawk River	16	1	240	128.9	98.5	2	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	44		Female	4	Mohawk River	16	1	240	106.3	94.2	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	78		Female	4	Mohawk River	16	1	240	135.6	106.6	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	7		Male	4	Mohawk River	20	1	240			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	18		Male	4	Mohawk River	20	1	240			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	42		Undetermined	4	Mohawk River	24	1	240			4	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	49		Male	4	Mohawk River	20	1	240			2	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	6		Male	4	Mohawk River	20	1	240			2	6	5/31/2001	5/31/2001	75	3.75	Hours	Angling	44	Schoharie Region		63	3	9
Blueback Herring	40		Male	4	Mohawk River	20	1	240	117.7	108.4	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	63		Male	4	Mohawk River	20	1	240			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	26		Male	4	Mohawk River	20	1	240			2	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	36		Female	4	Mohawk River	16	1	240			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	37		Male	4	Mohawk River	20	1	240			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	44		Female	4	Mohawk River	16	1	240			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	38		Female	4	Mohawk River	16	1	240	124.3	95.1	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	41		Female	4	Mohawk River	16	1	240	128.2	103.9	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	20		Male	4	Mohawk River	20	1	240			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	17		Female	4	Mohawk River	16	1	240			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	40		Male	4	Mohawk River	20	1	240			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	7	120604	Male	4	Mohawk River	20	1	240			2	1	5/29/2001	5/29/2001	13	0.216666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	20	120626	Male	4	Mohawk River	20	1	240			2	1	5/29/2001	5/29/2001	10	0.166666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	6	120648	Female	4	Mohawk River	16	1	240			1	1	5/29/2001	5/29/2001	13	0.216666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	28	100394	Male	4	Mohawk River	20	1	241			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	38	100404	Female	4	Mohawk River	16	1	241			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	52	100518	Male	4	Mohawk River	20	1	241			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	80	100546	Male	4	Mohawk River	20	1	241			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	33	100589	Female	4	Mohawk River	16	1	241			4	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	47	100603	Female	4	Mohawk River	16	1	241			1	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	58	100614	Male	4	Mohawk River	20	1	241			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	64	100620	Male	4	Mohawk River	20	1	241			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	21	100666	Male	4	Mohawk River	20	1	241			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	53	100696	Female	4	Mohawk River	16	1	241			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	65	100706	Male	4	Mohawk River	20	1	241			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	106	100744	Male	4	Mohawk River	20	1	241			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	116	100754	Female	4	Mohawk River	16	1	241			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	123	100760	Female	4	Mohawk River	16	1	241			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	127	100764	Female	4	Mohawk River	16	1	241			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	153	100789	Male	4	Mohawk River	20	1	241			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	160	100796	Male	4	Mohawk River	20	1	241			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	165	100800	Female	4	Mohawk River	16	1	241			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	187	100816	Female	4	Mohawk River	16	1	241			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	196	100822	Female	4	Mohawk River	16	1	241			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	204	100828	Male	4	Mohawk River	20	1	241			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	40	100915	Male	4	Mohawk River	20	1	241			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	42	100917	Female	4	Mohawk River	16	1	241			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	61	100934	Undetermined	4	Mohawk River	24	1	241			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	176	109034	Female	4	Mohawk River	16	1	241			3	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	3	101096	Female	4	Mohawk River	16	1	241			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	19	101112	Male	4	Mohawk River	20	1	241			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	102	101195	Male	4	Mohawk River	20	1	241			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	10	101220	Male	4	Mohawk River	20	1	241			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	92	101302	Male	4	Mohawk River	20	1	241			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	128	101338	Male	4	Mohawk River	20	1	241			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	197	101407	Male	4	Mohawk River	20	1	241			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	53		Male	4	Mohawk River	20	1	241	121.6	107.9	2	3	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	5	104065	Male	4	Mohawk River	20	1	241			2	1	5/18/1999	5/18/1999	20	0.333333333	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	14	104074	Male	4	Mohawk River	20	1	241			2	1	5/18/1999	5/18/1999	20	0.333333333	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	65	104197	Male	4	Mohawk River	20	1	241			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	4	104207	Male	4	Mohawk River	20	1	241			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	152	104355	Female	4	Mohawk River	16	1	241			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	288	104491	Female	4	Mohawk River	16	1	241			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	49		Male	4	Mohawk River	20	1	241	116.6	104	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	51		Male	4	Mohawk River	20	1	241	106.2	95.8	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	62		Male	4	Mohawk River	20	1	241	106.3	96.5	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	22	104635	Male	4	Mohawk River	20	1	241			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	76	104689	Female	4	Mohawk River	16	1	241			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	31	104766	Male	4	Mohawk River	20	1	241			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	43		Male	4	Mohawk River	20	1	241	101.3	94.6	2	3	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	67	104896	Male	4	Mohawk River	20	1	241			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	102	106018	Female	4	Mohawk River	16	1	241			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	168	106099	Male	4	Mohawk River	20	1	241			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	178	106109	Female	4	Mohawk River	16	1	241			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	242	106174	Male	4	Mohawk River	20	1	241			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	265	106197	Female	4	Mohawk River	16	1	241			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	272	106204	Male	4	Mohawk River	20	1	241			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	307	106239	Female	4	Mohawk River	16	1	241			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	375	106307	Male	4	Mohawk River	20	1	241			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	463	106396	Male	4	Mohawk River	20	1	241			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	14	106455	Male	4	Mohawk River	20	1	241			2	1	6/3/1999	6/3/1999	60	1	Hours	Angling	43	Amsterdam Region	3	38	3	7
Blueback Herring	6	106461	Female	4	Mohawk River	16	1	241			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	32	106487	Female	4	Mohawk River	16	1	241			1	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	1	106497	Female	4	Mohawk River	16	1	241			1	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	9	106555	Female	4	Mohawk River	16	1	241			1	9	6/4/1999	6/4/1999	15			Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	15	106604	Male	4	Mohawk River	20	1	241			2	1	6/9/1999	6/9/1999	63	1.05	Hours	Angling	44	Schoharie Region	2	52	3	1
Blueback Herring	19		Male	4	Mohawk River	20	1	241	97.2	91.7	3	3	6/15/1999	6/15/1999				Angling	43	Amsterdam Region	2	28	3	
Blueback Herring	4		Male	4	Mohawk River	20	1	241			2	6	6/17/1999	6/17/1999	90	1.5	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	114	105285	Female	4	Mohawk River	16	1	241			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	179	105350	Male	4	Mohawk River	20	1	241			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	194	105365	Male	4	Mohawk River	20	1	241			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	229	105400	Female	4	Mohawk River	16	1	241			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	246	105417	Male	4	Mohawk River	20	1	241			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	297	105468	Male	4	Mohawk River	20	1	241			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	299	105470	Male	4	Mohawk River	20	1	241			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	301	105472	Female	4	Mohawk River	16	1	241			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	6	105480	Female	4	Mohawk River	16	1	241			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	22	105496	Female	4	Mohawk River	16	1	241			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	140	105614	Male	4	Mohawk River	20	1	241			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	146	105620	Male	4	Mohawk River	20	1	241			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	66	105752	Female	4	Mohawk River	16	1	241			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	85	105771	Female	4	Mohawk River	16	1	241			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	103	105789	Female	4	Mohawk River	16	1	241			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	121	105807	Male	4	Mohawk River	20	1	241			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	6	105975	Female	4	Mohawk River	16	1	241			1	1	5/28/1999	5/28/1999	30	0.5	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	4	105996	Male	4	Mohawk River	20	1	241			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	69	107161	Female	4	Mohawk River	16	1	241			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	82	107204	Male	4	Mohawk River	20	1	241			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	128	107250	Female	4	Mohawk River	16	1	241			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	154	107526	Male	4	Mohawk River	20	1	241			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	162	107533	Female	4	Mohawk River	16	1	241			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	206	107577	Female	4	Mohawk River	16	1	241			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	211	107582	Female	4	Mohawk River	16	1	241			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	235		Male	4	Mohawk River	20	1	241			2	6	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	309	107679	Male	4	Mohawk River	20	1	241			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	317	107687	Female	4	Mohawk River	16	1	241			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	66	107065	Female	4	Mohawk River	16	1	241			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	68	107067	Male	4	Mohawk River	20	1	241			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	88	107087	Male	4	Mohawk River	20	1	241			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	116	107264	Female	4	Mohawk River	16	1	241			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	135	107284	Female	4	Mohawk River	16	1	241			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	157	107306	Male	4	Mohawk River	20	1	241			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	219	107368	Female	4	Mohawk River	16	1	241			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	245	107394	Female	4	Mohawk River	16	1	241			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	254	107403	Female	4	Mohawk River	16	1	241			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	298	107447	Male	4	Mohawk River	20	1	241			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	323	107472	Female	4	Mohawk River	16	1	241			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	337	107486	Female	4	Mohawk River	16	1	241			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	410	107757	Female	4	Mohawk River	16	1	241			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	427	107774	Undetermined	4	Mohawk River	24	1	241			4	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	440	107786	Male	4	Mohawk River	20	1	241			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	443	107789	Female	4	Mohawk River	16	1	241			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	22		Female	4	Mohawk River	16	1	241	108.3	92	1	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	60		Female	4	Mohawk River	16	1	241	118.8	98.6	1	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	100	107827	Male	4	Mohawk River	20	1	241			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	107	107834	Male	4	Mohawk River	20	1	241			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	108	107835	Female	4	Mohawk River	16	1	241			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	163	107888	Female	4	Mohawk River	16	1	241			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	224	107949	Male	4	Mohawk River	20	1	241			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	279	110351	Female	4	Mohawk River	16	1	241			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	354	110425	Male	4	Mohawk River	20	1	241			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9

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																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	366	110437	Undetermined	4	Mohawk River	24	1	241			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	442	110512	Female	4	Mohawk River	16	1	241			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	474	110539	Male	4	Mohawk River	20	1	241			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	17	110017	Male	4	Mohawk River	20	1	241			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	26	110026	Female	4	Mohawk River	16	1	241			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	115	110115	Female	4	Mohawk River	16	1	241			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	153	110153	Undetermined	4	Mohawk River	24	1	241			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	155	110155	Undetermined	4	Mohawk River	24	1	241			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	180	110180	Female	4	Mohawk River	16	1	241			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	218	110218	Female	4	Mohawk River	16	1	241			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	21	110330	Female	4	Mohawk River	16	1	241			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	27	110336	Male	4	Mohawk River	20	1	241			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	30	110339	Undetermined	4	Mohawk River	24	1	241			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	62	110771	Female	4	Mohawk River	16	1	241			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	129	110836	Female	4	Mohawk River	16	1	241			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	232	110936	Female	4	Mohawk River	16	1	241			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	32	110969	Undetermined	4	Mohawk River	24	1	241			4	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	107	110592	Female	4	Mohawk River	16	1	241			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	127	111118	Female	4	Mohawk River	16	1	241			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	180	111169	Male	4	Mohawk River	20	1	241			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	197	111186	Male	4	Mohawk River	20	1	241			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	262	111247	Female	4	Mohawk River	16	1	241			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	271	111256	Male	4	Mohawk River	20	1	241			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	296	111281	Male	4	Mohawk River	20	1	241			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	307	111292	Male	4	Mohawk River	20	1	241			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	51	108094	Female	4	Mohawk River	16	1	241			1	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	52	108095	Male	4	Mohawk River	20	1	241			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	54	108097	Undetermined	4	Mohawk River	24	1	241			4	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	47	110710	Undetermined	4	Mohawk River	24	1	241			4	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	4	110724	Male	4	Mohawk River	20	1	241			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	32	110750	Male	4	Mohawk River	20	1	241			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	20	111346	Female	4	Mohawk River	16	1	241			1	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	20	111382	Male	4	Mohawk River	20	1	241			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	79	111436	Undetermined	4	Mohawk River	24	1	241			4	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	14	111515	Male	4	Mohawk River	20	1	241			2	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	3		Male	4	Mohawk River	20	1	241	97.2	89.1	2	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	26		Male	4	Mohawk River	20	1	241			2	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	3		Male	4	Mohawk River	20	1	241			2	6	6/17/1999	6/17/1999	22	0.366666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	1		Male	4	Mohawk River	20	1	241			2	6	6/17/1999	6/17/1999	60	1	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	4		Male	4	Mohawk River	20	1	241	109.9	106	3	3	6/21/1999	6/21/1999	75	1.25	Hours	Angling	41	Waterford Region	5	1	3	9
Blueback Herring	2		Female	4	Mohawk River	16	1	241	118.9	106.5	1	3	6/22/1999	6/22/1999	120	2	Hours	Angling	45	Little Falls River	5	78	3	
Blueback Herring	7		Male	4	Mohawk River	20	1	241	96.7	91	2	3	6/30/1999	6/30/1999	110	1.833333333	Hours	Angling	44	Schoharie Region	5	64	3	9
Blueback Herring	102	115452	Female	4	Mohawk River	16	1	241			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	107	115457	Male	4	Mohawk River	20	1	241			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	120	115470	Male	4	Mohawk River	20	1	241			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	139	115489	Male	4	Mohawk River	20	1	241			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	44	116081	Male	4	Mohawk River	20	1	241			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	63	116100	Male	4	Mohawk River	20	1	241			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	76	116113	Male	4	Mohawk River	20	1	241			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	98	116135	Male	4	Mohawk River	20	1	241			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	135	116172	Male	4	Mohawk River	20	1	241			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	27	116427	Male	4	Mohawk River	20	1	241			2	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	6		Female	4	Mohawk River	16	1	241	122.6	106	1	3	5/16/2000	5/16/2000	20	0.333333333	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	1	2
Blueback Herring	2	117352	Male	4	Mohawk River	20	1	241			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	9	117359	Female	4	Mohawk River	16	1	241			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	21	117371	Male	4	Mohawk River	20	1	241			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	35	117385	Male	4	Mohawk River	20	1	241			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	58	117628	Male	4	Mohawk River	20	1	241			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	81	117651	Male	4	Mohawk River	20	1	241			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	82	117652	Male	4	Mohawk River	20	1	241			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	92	117662	Male	4	Mohawk River	20	1	241			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	117	117687	Male	4	Mohawk River	20	1	241			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	12		Male	4	Mohawk River	20	1	241	115.4	103	2	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	14	118018	Male	4	Mohawk River	20	1	241			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	42	118046	Male	4	Mohawk River	20	1	241			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	60	118064	Male	4	Mohawk River	20	1	241			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	76	118080	Female	4	Mohawk River	16	1	241			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	81	118085	Male	4	Mohawk River	20	1	241			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	96	118206	Male	4	Mohawk River	20	1	241			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	29	118243	Male	4	Mohawk River	20	1	241			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	12	118438	Male	4	Mohawk River	20	1	241			2	1	6/5/2000	6/5/2000	190	9.5	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	7		Female	4	Mohawk River	16	1	241	119.7	93.8	1	3	6/13/2000	6/13/2000	155	2.583333333	Hours	Angling	44	Schoharie Region		53	3	9
Blueback Herring	8	117856	Female	4	Mohawk River	16	1	241			1	1	6/20/2000	6/20/2000	135	4.5	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	19		Female	4	Mohawk River	16	1	241	120	93.6	1	3	6/22/2000	6/22/2000	240	8	Hours	Angling	43	Amsterdam Region		39	3	9

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	49		Male	4	Mohawk River	20	1	241			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	5		Male	4	Mohawk River	20	1	241			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	38		Undetermined	4	Mohawk River	24	1	241			4	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	63		Female	4	Mohawk River	16	1	241			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	9		Undetermined	4	Mohawk River	24	1	241			4	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	16		Male	4	Mohawk River	20	1	241			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	156		Male	4	Mohawk River	20	1	241			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	214		Male	4	Mohawk River	20	1	241			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	222		Male	4	Mohawk River	20	1	241			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	232		Male	4	Mohawk River	20	1	241			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	279		Male	4	Mohawk River	20	1	241			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	110	121372	Male	4	Mohawk River	20	1	241			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	32	121546	Male	4	Mohawk River	20	1	241			2	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	3		Male	4	Mohawk River	20	1	241			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	26		Male	4	Mohawk River	20	1	241			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	101		Male	4	Mohawk River	20	1	241			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	107		Male	4	Mohawk River	20	1	241			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	113		Male	4	Mohawk River	20	1	241			2	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	115		Female	4	Mohawk River	16	1	241			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	10		Male	4	Mohawk River	20	1	241	129.3	114.1	2	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	62		Female	4	Mohawk River	16	1	241	124	103.9	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	85		Female	4	Mohawk River	16	1	241	124.7	107.1	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	73		Male	4	Mohawk River	20	1	241			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	8		Male	4	Mohawk River	20	1	241			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	58		Male	4	Mohawk River	20	1	241			2	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	55		Male	4	Mohawk River	20	1	241			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	75		Male	4	Mohawk River	20	1	241			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	90		Male	4	Mohawk River	20	1	241			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	2		Male	4	Mohawk River	20	1	241			3	6	6/5/2001	6/5/2001	80	2.666666667	Hours	Angling	43	Amsterdam Region		38	3	9
Blueback Herring	54		Male	4	Mohawk River	20	1	241	97.4	95.9	3	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	19		Male	4	Mohawk River	20	1	241			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	42	100408	Male	4	Mohawk River	20	1	242			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	62	100428	Female	4	Mohawk River	16	1	242			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	91	100457	Female	4	Mohawk River	16	1	242			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	143		Male	4	Mohawk River	20	1	242	122.1	108	1	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	60	100526	Male	4	Mohawk River	20	1	242			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	78	100544	Male	4	Mohawk River	20	1	242			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	37	100593	Female	4	Mohawk River	16	1	242			1	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	51	100607	Female	4	Mohawk River	16	1	242			4	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	56	100612	Male	4	Mohawk River	20	1	242			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	24	100669	Male	4	Mohawk River	20	1	242			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	68	100708	Female	4	Mohawk River	16	1	242			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	77	100716	Female	4	Mohawk River	16	1	242			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	121		Undetermined	4	Mohawk River	24	1	242			4	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	133	100770	Female	4	Mohawk River	16	1	242			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	181	100812	Female	4	Mohawk River	16	1	242			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	202	100826	Male	4	Mohawk River	20	1	242			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	223	100847	Undetermined	4	Mohawk River	24	1	242			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	230	100854	Male	4	Mohawk River	20	1	242			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	236	100860	Female	4	Mohawk River	16	1	242			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	243	100867	Male	4	Mohawk River	20	1	242			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	21	100897	Female	4	Mohawk River	16	1	242			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	41	100916	Female	4	Mohawk River	16	1	242			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	64	100936	Female	4	Mohawk River	16	1	242			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	83		Undetermined	4	Mohawk River	24	1	242			4	6	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	101	100965	Female	4	Mohawk River	16	1	242			3	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	125	100989	Undetermined	4	Mohawk River	24	1	242			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	168	109026	Female	4	Mohawk River	16	1	242			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	209	109064	Male	4	Mohawk River	20	1	242			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	215	109069	Male	4	Mohawk River	20	1	242			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	238	109092	Male	4	Mohawk River	20	1	242			3	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	274		Male	4	Mohawk River	20	1	242	99.1	91.1	2	3	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	6	109132	Female	4	Mohawk River	16	1	242			1	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	3	101029	Male	4	Mohawk River	20	1	242			2	1	5/11/1999	5/11/1999	70	1.166666667	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	8	101076	Male	4	Mohawk River	20	1	242			2	1	5/12/1999	5/12/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	9	101077	Male	4	Mohawk River	20	1	242			2	1	5/12/1999	5/12/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	37	101130	Male	4	Mohawk River	20	1	242			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	118		Male	4	Mohawk River	20	1	242	121	107.1	2	3	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	35	101245	Male	4	Mohawk River	20	1	242			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	38	101248	Male	4	Mohawk River	20	1	242			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	40	101250	Female	4	Mohawk River	16	1	242			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	130	101340	Male	4	Mohawk River	20	1	242			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	161	101371	Male	4	Mohawk River	20	1	242			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	174	101384	Female	4	Mohawk River	16	1	242			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9

Adult BBH Data

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SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	203	101413	Male	4	Mohawk River	20	1	242			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	38		Female	4	Mohawk River	16	1	242	126.8	103.2	1	3	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	47		Female	4	Mohawk River	16	1	242	125.6	112.9	1	3	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	59		Female	4	Mohawk River	16	1	242	125	102.4	1	3	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	25	104054	Female	4	Mohawk River	16	1	242			1	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	7	104067	Male	4	Mohawk River	20	1	242			2	1	5/18/1999	5/18/1999	20	0.333333333	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	20	104080	Female	4	Mohawk River	16	1	242			3	1	5/18/1999	5/18/1999	20	0.333333333	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	44	104176	Female	4	Mohawk River	16	1	242			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	64	104196	Male	4	Mohawk River	20	1	242			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	2	104205	Male	4	Mohawk River	20	1	242			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	130	104333	Male	4	Mohawk River	20	1	242			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	12		Male	4	Mohawk River	20	1	242	115.7	102.5	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	25	104638	Male	4	Mohawk River	20	1	242			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	57	104670	Male	4	Mohawk River	20	1	242			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	10	104787	Female	4	Mohawk River	16	1	242			1	1	5/26/1999	5/26/1999	100	1.666666667	Hours	Angling	43	Amsterdam Region	2	34	3	
Blueback Herring	10	104812	Male	4	Mohawk River	20	1	242			2	1	5/27/1999	5/27/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	8	104826	Male	4	Mohawk River	20	1	242			2	1	5/27/1999	5/27/1999	82	1.366666667	Hours	Angling	42	Schenectady Region	4	23	3	
Blueback Herring	2	104830	Male	4	Mohawk River	20	1	242			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	84	104913	Female	4	Mohawk River	16	1	242			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	21	104952	Female	4	Mohawk River	16	1	242			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	33	104964	Female	4	Mohawk River	16	1	242			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	52	104983	Male	4	Mohawk River	20	1	242			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	67	104998	Female	4	Mohawk River	16	1	242			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	70	106050	Female	4	Mohawk River	16	1	242			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	78	106042	Male	4	Mohawk River	20	1	242			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	145	106076	Male	4	Mohawk River	20	1	242			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	241	106173	Male	4	Mohawk River	20	1	242			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	300	106232	Female	4	Mohawk River	16	1	242			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	302	106234	Female	4	Mohawk River	16	1	242			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	415	106348	Female	4	Mohawk River	16	1	242			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	438	106371	Male	4	Mohawk River	20	1	242			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	29	106484	Male	4	Mohawk River	20	1	242			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	22	106587	Female	4	Mohawk River	16	1	242			2	1	6/7/1999	6/7/1999	98	1.633333333	Hours	Angling	42	Schenectady Region	4	23	3	6
Blueback Herring	8	105179	Male	4	Mohawk River	20	1	242			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	73	105244	Male	4	Mohawk River	20	1	242			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	191	105362	Male	4	Mohawk River	20	1	242			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	45	105519	Male	4	Mohawk River	20	1	242			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	23	105710	Female	4	Mohawk River	16	1	242			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	96	105782	Male	4	Mohawk River	20	1	242			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	202	105889	Female	4	Mohawk River	16	1	242			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	7	105999	Female	4	Mohawk River	16	1	242			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	44	107136	Female	4	Mohawk River	16	1	242			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	78	107170	Male	4	Mohawk River	20	1	242			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	84	107206	Male	4	Mohawk River	20	1	242			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	86	107208	Male	4	Mohawk River	20	1	242			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	105	107227	Male	4	Mohawk River	20	1	242			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	144	107516	Male	4	Mohawk River	20	1	242			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	151	107523	Undetermined	4	Mohawk River	24	1	242			4	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	160	107531	Male	4	Mohawk River	20	1	242			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	170	107541	Male	4	Mohawk River	20	1	242			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	188	107559	Male	4	Mohawk River	20	1	242			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	208	107579	Male	4	Mohawk River	20	1	242			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	212	107583	Female	4	Mohawk River	16	1	242			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	256	107626	Female	4	Mohawk River	16	1	242			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	270	107640	Undetermined	4	Mohawk River	24	1	242			4	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	287	107657	Undetermined	4	Mohawk River	24	1	242			4	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	289	107659	Female	4	Mohawk River	16	1	242			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	291	107661	Female	4	Mohawk River	16	1	242			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	304	107674	Male	4	Mohawk River	20	1	242			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	56	107055	Male	4	Mohawk River	20	1	242			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	57	107056	Female	4	Mohawk River	16	1	242			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	95	107094	Female	4	Mohawk River	16	1	242			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	130	107278	Male	4	Mohawk River	20	1	242			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	144	107293	Female	4	Mohawk River	16	1	242			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	149	107298	Female	4	Mohawk River	16	1	242			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	162	107311	Female	4	Mohawk River	16	1	242			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	211	107360	Male	4	Mohawk River	20	1	242			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	215	107364	Female	4	Mohawk River	16	1	242			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	218	107367	Male	4	Mohawk River	20	1	242			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	277	107426	Female	4	Mohawk River	16	1	242			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	309	107458	Female	4	Mohawk River	16	1	242			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	369	107716	Male	4	Mohawk River	20	1	242			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	408	107755	Female	4	Mohawk River	16	1	242			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	421	107768	Female	4	Mohawk River	16	1	242			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	428		Female	4	Mohawk River	16	1	242			1	6	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	450	107796	Female	4	Mohawk River	16	1	242			3	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	24		Female	4	Mohawk River	16	1	242	115.1	97	1	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	78	107806	Undetermined	4	Mohawk River	24	1	242			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	110	107837	Male	4	Mohawk River	20	1	242			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	167	107892	Male	4	Mohawk River	20	1	242			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	187	107912	Undetermined	4	Mohawk River	24	1	242			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	189	107914	Male	4	Mohawk River	20	1	242			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	263	107986	Female	4	Mohawk River	16	1	242			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	308	110380	Female	4	Mohawk River	16	1	242			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	331	110402	Female	4	Mohawk River	16	1	242			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	430	110500	Male	4	Mohawk River	20	1	242			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	76		Male	4	Mohawk River	20	1	242			2	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	100	110100	Male	4	Mohawk River	20	1	242			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	167	110167	Female	4	Mohawk River	16	1	242			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	199	110199	Female	4	Mohawk River	16	1	242			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	284	110284	Female	4	Mohawk River	16	1	242			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	297	110297	Female	4	Mohawk River	16	1	242			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	5	110314	Male	4	Mohawk River	20	1	242			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	46	110755	Male	4	Mohawk River	20	1	242			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	55	110764	Male	4	Mohawk River	20	1	242			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	77	110785	Female	4	Mohawk River	16	1	242			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	102	110809	Undetermined	4	Mohawk River	24	1	242			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	161	110867	Male	4	Mohawk River	20	1	242			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	179	110883	Male	4	Mohawk River	20	1	242			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	230	110934	Male	4	Mohawk River	20	1	242			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	21	110958	Male	4	Mohawk River	20	1	242			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	37	110974	Female	4	Mohawk River	16	1	242			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	91	110576	Female	4	Mohawk River	16	1	242			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	35	111033	Female	4	Mohawk River	16	1	242			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	95	111087	Male	4	Mohawk River	20	1	242			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	122	111114	Female	4	Mohawk River	16	1	242			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	181	111170	Male	4	Mohawk River	20	1	242			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	237	111224	Female	4	Mohawk River	16	1	242			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	243	111229	Undetermined	4	Mohawk River	24	1	242			3	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	284	111269	Male	4	Mohawk River	20	1	242			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	318	111303	Female	4	Mohawk River	16	1	242			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	326	111311	Undetermined	4	Mohawk River	24	1	242			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	57	108100	Female	4	Mohawk River	16	1	242			1	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	5	110725	Undetermined	4	Mohawk River	24	1	242			4	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	23	110743	Male	4	Mohawk River	20	1	242			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	34	111313	Male	4	Mohawk River	20	1	242			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	62	111421	Female	4	Mohawk River	16	1	242			1	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	104	111458	Female	4	Mohawk River	16	1	242			1	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	4		Male	4	Mohawk River	20	1	242	98.8	95.4	3	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	17		Female	4	Mohawk River	16	1	242	113.1	92.2	1	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	37	111537	Undetermined	4	Mohawk River	24	1	242			4	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	38		Female	4	Mohawk River	16	1	242			1	6	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	41	111540	Female	4	Mohawk River	16	1	242			1	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	46	111545	Female	4	Mohawk River	16	1	242			1	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	33		Male	4	Mohawk River	20	1	242	109.2	104.6	2	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	13		Male	4	Mohawk River	20	1	242	110.4	101	2	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	4		Male	4	Mohawk River	20	1	242	108.2	99.1	2	3	6/21/1999	6/21/1999	60	1	Hours	Angling	43	Amsterdam Region	2	39	3	
Blueback Herring	3		Female	4	Mohawk River	16	1	242	106.2	96.1	1	3	6/22/1999	6/22/1999	120	2	Hours	Angling	45	Little Falls River	5	78	3	
Blueback Herring	7		Male	4	Mohawk River	20	1	242	103.5	100.1	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	31	115381	Male	4	Mohawk River	20	1	242			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	80	115430	Male	4	Mohawk River	20	1	242			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	10	116047	Male	4	Mohawk River	20	1	242			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	26	116063	Undetermined	4	Mohawk River	24	1	242			4	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	47	116084	Male	4	Mohawk River	20	1	242			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	92	116129	Male	4	Mohawk River	20	1	242			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	132	116169	Undetermined	4	Mohawk River	24	1	242			4	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	177	116214	Male	4	Mohawk River	20	1	242			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	194	116231	Male	4	Mohawk River	20	1	242			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	206	116243	Male	4	Mohawk River	20	1	242			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	10	116410	Male	4	Mohawk River	20	1	242			2	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	26	116426	Male	4	Mohawk River	20	1	242			2	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	34	116434	Female	4	Mohawk River	16	1	242			1	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	14		Male	4	Mohawk River	20	1	242	125.7	112.6	1	3	5/16/2000	5/16/2000	20	0.333333333	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	1	2
Blueback Herring	22		Female	4	Mohawk River	16	1	242	128.9	100.6	1	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	26	117376	Male	4	Mohawk River	20	1	242			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	97	117667	Male	4	Mohawk River	20	1	242			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	130	117700	Female	4	Mohawk River	16	1	242			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	6		Male	4	Mohawk River	20	1	242			2	9	6/1/2000	6/1/2000	70	1.166666667	Hours	Scap net/Lift net	41	Waterford Region		2	3	6
Blueback Herring	25	118029	Male	4	Mohawk River	20	1	242			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	38	118042	Female	4	Mohawk River	16	1	242			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	91	118095	Male	4	Mohawk River	20	1	242			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	3	118217	Female	4	Mohawk River	16	1	242			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	69	118283	Male	4	Mohawk River	20	1	242			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	127	118341	Male	4	Mohawk River	20	1	242			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	172		Male	4	Mohawk River	20	1	242	104.1	95.5	2	3	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	5	118431	Male	4	Mohawk River	20	1	242			2	1	6/5/2000	6/5/2000	190	9.5	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	82		Male	4	Mohawk River	20	1	242			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	25		Male	4	Mohawk River	20	1	242			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	158		Male	4	Mohawk River	20	1	242			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	242		Male	4	Mohawk River	20	1	242			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	325		Male	4	Mohawk River	20	1	242			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	344		Male	4	Mohawk River	20	1	242			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	16	121284	Male	4	Mohawk River	20	1	242			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	74	121337	Undetermined	4	Mohawk River	24	1	242			4	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	80	121343	Undetermined	4	Mohawk River	24	1	242			4	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	99	121361	Male	4	Mohawk River	20	1	242			2	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	33	121547	Male	4	Mohawk River	20	1	242			2	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	13		Male	4	Mohawk River	20	1	242			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	36		Male	4	Mohawk River	20	1	242			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	48		Male	4	Mohawk River	20	1	242			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	98		Male	4	Mohawk River	20	1	242			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	111		Male	4	Mohawk River	20	1	242			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	66		Female	4	Mohawk River	16	1	242	142.4	119.6	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	75		Male	4	Mohawk River	20	1	242	125.2	111.7	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	20		Male	4	Mohawk River	20	1	242			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	78		Male	4	Mohawk River	20	1	242			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	104		Male	4	Mohawk River	20	1	242			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	133		Male	4	Mohawk River	20	1	242			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	190		Male	4	Mohawk River	20	1	242			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	13		Female	4	Mohawk River	16	1	242			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	40		Male	4	Mohawk River	20	1	242			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	75		Male	4	Mohawk River	20	1	242			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	126		Male	4	Mohawk River	20	1	242			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	145		Female	4	Mohawk River	16	1	242			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	39		Male	4	Mohawk River	20	1	242			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	86		Female	4	Mohawk River	16	1	242			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	55		Male	4	Mohawk River	20	1	242	114.3	101.2	2	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	11		Female	4	Mohawk River	16	1	242			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	112		Undetermined	4	Mohawk River	24	1	242			4	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	53		Male	4	Mohawk River	20	1	242			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	23		Undetermined	4	Mohawk River	24	1	242			4	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	46		Male	4	Mohawk River	20	1	242			2	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	65		Male	4	Mohawk River	20	1	242	100.3	98.3	3	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	16		Female	4	Mohawk River	16	1	242			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	18		Male	4	Mohawk River	20	1	242			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	29		Male	4	Mohawk River	20	1	242			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	78		Female	4	Mohawk River	16	1	242			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	11		Female	4	Mohawk River	16	1	242			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	21		Male	4	Mohawk River	20	1	242			2	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	52		Male	4	Mohawk River	20	1	242			2	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	8		Male	4	Mohawk River	20	1	242			2	6	6/6/2001	6/6/2001	60	3	Hours	Angling	43	Amsterdam Region		34	3	9
Blueback Herring	8		Male	4	Mohawk River	20	1	242	99	95.1	3	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	1		Male	4	Mohawk River	20	1	242			2	6	6/12/2001	6/12/2001	45	2.25	Hours	Angling	43	Amsterdam Region		38	3	9
Blueback Herring	6		Male	4	Mohawk River	20	1	242			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	22		Male	4	Mohawk River	20	1	242			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	23		Female	4	Mohawk River	16	1	242			1	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	37		Female	4	Mohawk River	16	1	242			1	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	18	120624	Male	4	Mohawk River	20	1	242			2	1	5/29/2001	5/29/2001	10	0.166666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	7	120649	Male	4	Mohawk River	20	1	242			2	1	5/29/2001	5/29/2001	13	0.216666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	132		Female	4	Mohawk River	16	1	243	125.3	108.6	1	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	16	100482	Male	4	Mohawk River	20	1	243			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	13	100569	Female	4	Mohawk River	16	1	243			1	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	53	100609	Female	4	Mohawk River	16	1	243			1	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	59	100615	Female	4	Mohawk River	16	1	243			1	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	14	100659	Female	4	Mohawk River	16	1	243			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	134	100771	Female	4	Mohawk River	16	1	243			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	147	100783	Female	4	Mohawk River	16	1	243			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	227	100851	Undetermined	4	Mohawk River	24	1	243			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	238	100862	Female	4	Mohawk River	16	1	243			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	11	100887	Female	4	Mohawk River	16	1	243			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	55	100929	Female	4	Mohawk River	16	1	243			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	172	109030	Female	4	Mohawk River	16	1	243			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	239	109093	Male	4	Mohawk River	20	1	243			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	4	109130	Female	4	Mohawk River	16	1	243			3	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	15	101083	Male	4	Mohawk River	20	1	243			2	1	5/12/1999	5/12/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	48	101141	Male	4	Mohawk River	20	1	243			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	79	101172	Female	4	Mohawk River	16	1	243			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	20	101230	Female	4	Mohawk River	16	1	243			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	78	101288	Female	4	Mohawk River	16	1	243			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	247	101457	Male	4	Mohawk River	20	1	243			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	23	104053	Female	4	Mohawk River	16	1	243			1	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	27	104055	Male	4	Mohawk River	20	1	243			2	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	11	104143	Male	4	Mohawk River	20	1	243			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	189	104392	Male	4	Mohawk River	20	1	243			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	233	104436	Female	4	Mohawk River	16	1	243			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	264	104467	Female	4	Mohawk River	16	1	243			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	2		Female	4	Mohawk River	16	1	243	116.5	100.4	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	19		Female	4	Mohawk River	16	1	243	122.1	104.9	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	11	104624	Male	4	Mohawk River	20	1	243			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	29	104642	Male	4	Mohawk River	20	1	243			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	45	104658	Male	4	Mohawk River	20	1	243			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	94	104707	Male	4	Mohawk River	20	1	243			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	6	104783	Male	4	Mohawk River	20	1	243			2	1	5/26/1999	5/26/1999	100	1.666666667	Hours	Angling	43	Amsterdam Region	2	34	3	
Blueback Herring	65	104894	Female	4	Mohawk River	16	1	243			1	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	81	104910	Female	4	Mohawk River	16	1	243			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	68	104999	Female	4	Mohawk River	16	1	243			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	92	106028	Female	4	Mohawk River	16	1	243			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	125	106056	Female	4	Mohawk River	16	1	243			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	154	106085	Female	4	Mohawk River	16	1	243			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	271	106203	Female	4	Mohawk River	16	1	243			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	279	106211	Male	4	Mohawk River	20	1	243			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	312	106244	Male	4	Mohawk River	20	1	243			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	325	106257	Female	4	Mohawk River	16	1	243			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	22	106518	Female	4	Mohawk River	16	1	243			1	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	43	106539	Male	4	Mohawk River	20	1	243			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	8		Female	4	Mohawk River	16	1	243			1	6	6/17/1999	6/17/1999	90	1.5	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	14	105185	Female	4	Mohawk River	16	1	243			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	44	105215	Female	4	Mohawk River	16	1	243			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	94	105265	Female	4	Mohawk River	16	1	243			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	115	105286	Female	4	Mohawk River	16	1	243			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	136	105307	Female	4	Mohawk River	16	1	243			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	215	105386	Female	4	Mohawk River	16	1	243			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	35	105509	Male	4	Mohawk River	20	1	243			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	69	105543	Male	4	Mohawk River	20	1	243			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	124	105598	Male	4	Mohawk River	20	1	243			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	49	105735	Female	4	Mohawk River	16	1	243			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	81	105767	Female	4	Mohawk River	16	1	243			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	83	105769	Male	4	Mohawk River	20	1	243			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	164	105851	Female	4	Mohawk River	16	1	243			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	169	105856	Male	4	Mohawk River	20	1	243			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	178	105865	Female	4	Mohawk River	16	1	243			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	193	105880	Female	4	Mohawk River	16	1	243			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	207	105894	Male	4	Mohawk River	20	1	243			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	19	107111	Female	4	Mohawk River	16	1	243			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	24	107116	Male	4	Mohawk River	20	1	243			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	27	107119	Female	4	Mohawk River	16	1	243			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	32	107124	Female	4	Mohawk River	16	1	243			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	108	107230	Male	4	Mohawk River	20	1	243			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	207	107578	Female	4	Mohawk River	16	1	243			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	249	107619	Female	4	Mohawk River	16	1	243			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	272	107642	Undetermined	4	Mohawk River	24	1	243			4	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	283	107653	Female	4	Mohawk River	16	1	243			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	321	107691	Female	4	Mohawk River	16	1	243			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	55	107054	Male	4	Mohawk River	20	1	243			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	62	107061	Male	4	Mohawk River	20	1	243			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	146	107295	Male	4	Mohawk River	20	1	243			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	232	107381	Female	4	Mohawk River	16	1	243			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	279	107428	Male	4	Mohawk River	20	1	243			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	359	107706	Undetermined	4	Mohawk River	24	1	243			4	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	389	107736	Male	4	Mohawk River	20	1	243			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	438	107784	Female	4	Mohawk River	16	1	243			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	115	107842	Female	4	Mohawk River	16	1	243			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	151	107878	Male	4	Mohawk River	20	1	243			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	241	107966	Male	4	Mohawk River	20	1	243			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	292	110364	Female	4	Mohawk River	16	1	243			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	296	110368	Male	4	Mohawk River	20	1	243			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	320	110392	Undetermined	4	Mohawk River	24	1	243			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	329	110400	Female	4	Mohawk River	16	1	243			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	334	110405	Male	4	Mohawk River	20	1	243			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	335	110406	Female	4	Mohawk River	16	1	243			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	355	110426	Male	4	Mohawk River	20	1	243			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	361	110432	Female	4	Mohawk River	16	1	243			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	435	110505	Female	4	Mohawk River	16	1	243			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	53	110053	Undetermined	4	Mohawk River	24	1	243			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	150	110150	Female	4	Mohawk River	16	1	243			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	269	110269	Female	4	Mohawk River	16	1	243			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	36	110345	Female	4	Mohawk River	16	1	243			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	130	110837	Female	4	Mohawk River	16	1	243			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	147	110853	Male	4	Mohawk River	20	1	243			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	213	110917	Undetermined	4	Mohawk River	24	1	243			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	234	110938	Male	4	Mohawk River	20	1	243			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	42	110979	Male	4	Mohawk River	20	1	243			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	16	111016	Female	4	Mohawk River	16	1	243			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	87	111081	Female	4	Mohawk River	16	1	243			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	177	111166	Undetermined	4	Mohawk River	24	1	243			3	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	206	111195	Male	4	Mohawk River	20	1	243			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	309	111294	Female	4	Mohawk River	16	1	243			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	16	108063	Undetermined	4	Mohawk River	24	1	243			4	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	61	110653	Undetermined	4	Mohawk River	24	1	243			4	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	62	110654	Female	4	Mohawk River	16	1	243			1	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	15	110735	Male	4	Mohawk River	20	1	243			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	10		Female	4	Mohawk River	16	1	243	99.5	87.3	2	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	3	111504	Female	4	Mohawk River	16	1	243			1	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	17	111518	Male	4	Mohawk River	20	1	243			2	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	14		Male	4	Mohawk River	20	1	243	111.4	106.6	2	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	26		Male	4	Mohawk River	20	1	243	96.7	90.1	2	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	27		Male	4	Mohawk River	20	1	243	95.6	88.2	2	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	4		Female	4	Mohawk River	16	1	243	113.2	92.7	1	3	6/22/1999	6/22/1999	120	2	Hours	Angling	45	Little Falls River	5	78	3	
Blueback Herring	10		Male	4	Mohawk River	20	1	243	95.7	88.3	2	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	26		Male	4	Mohawk River	20	1	243	108.6	104.9	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	13	115363	Male	4	Mohawk River	20	1	243			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	46	115396	Male	4	Mohawk River	20	1	243			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region	2	3	6	
Blueback Herring	60	115410	Female	4	Mohawk River	16	1	243			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region	2	3	6	
Blueback Herring	63	115413	Male	4	Mohawk River	20	1	243			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region	2	3	6	
Blueback Herring	94	115444	Male	4	Mohawk River	20	1	243			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region	2	3	6	
Blueback Herring	124	115474	Male	4	Mohawk River	20	1	243			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region	2	3	6	
Blueback Herring	129	115479	Male	4	Mohawk River	20	1	243			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region	2	3	6	
Blueback Herring	16	116053	Male	4	Mohawk River	20	1	243			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region	2	3	6	
Blueback Herring	17	116054	Male	4	Mohawk River	20	1	243			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region	2	3	6	
Blueback Herring	20	116057	Male	4	Mohawk River	20	1	243			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region	2	3	6	
Blueback Herring	41	116078	Male	4	Mohawk River	20	1	243			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region	2	3	6	
Blueback Herring	94	116131	Undetermined	4	Mohawk River	24	1	243			4	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region	2	3	6	
Blueback Herring	97	116134	Male	4	Mohawk River	20	1	243			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region	2	3	6	
Blueback Herring	145	116182	Male	4	Mohawk River	20	1	243			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region	2	3	6	
Blueback Herring	159	116196	Undetermined	4	Mohawk River	24	1	243			4	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region	2	3	6	
Blueback Herring	227	116264	Male	4	Mohawk River	20	1	243			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region	2	3	6	
Blueback Herring	69	117639	Male	4	Mohawk River	20	1	243			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region	2	3	6	
Blueback Herring	96	117666	Undetermined	4	Mohawk River	24	1	243			4	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region	2	3	6	
Blueback Herring	121	117691	Male	4	Mohawk River	20	1	243			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region	2	3	6	
Blueback Herring	134	117704	Male	4	Mohawk River	20	1	243			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region	2	3	6	
Blueback Herring	137	117707	Male	4	Mohawk River	20	1	243			3	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region	2	3	6	
Blueback Herring	14	117786	Female	4	Mohawk River	16	1	243			1	1	6/5/2000	6/5/2000	120	6	Hours	Angling	42	Schenectady Region	12	3	9	
Blueback Herring	20		Male	4	Mohawk River	20	1	243	121.3	109.9	2	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region	2	3	9	
Blueback Herring	74	118184	Male	4	Mohawk River	20	1	243			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region	2	3	9	
Blueback Herring	92	118202	Male	4	Mohawk River	20	1	243			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region	2	3	9	
Blueback Herring	94	118204	Male	4	Mohawk River	20	1	243			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region	2	3	9	
Blueback Herring	97	118207	Male	4	Mohawk River	20	1	243			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region	2	3	9	
Blueback Herring	21	118235	Male	4	Mohawk River	20	1	243			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region	2	3	2	
Blueback Herring	60	118274	Female	4	Mohawk River	16	1	243			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region	2	3	2	
Blueback Herring	147	118361	Undetermined	4	Mohawk River	24	1	243			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region	2	3	2	
Blueback Herring	155		Male	4	Mohawk River	20	1	243	106.1	100.7	2	3	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region	2	3	2	
Blueback Herring	180		Male	4	Mohawk River	20	1	243	113.3	103.2	2	3	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region	2	3	2	
Blueback Herring	32		Male	4	Mohawk River	20	1	243	115.1	102.7	2	3	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region	2	3	9	
Blueback Herring	25	118419	Male	4	Mohawk River	20	1	243			2	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region	2	3	9	
Blueback Herring	1	118427	Male	4	Mohawk River	20	1	243			2	1	6/5/2000	6/5/2000	190	9.5	Hours	Angling	41	Waterford Region	2	3	9	
Blueback Herring	9	118435	Male	4	Mohawk River	20	1	243			2	1	6/5/2000	6/5/2000	190	9.5	Hours	Angling	41	Waterford Region	2	3	9	
Blueback Herring	19	118445	Male	4	Mohawk River	20	1	243			2	1	6/5/2000	6/5/2000	190	9.5	Hours	Angling	41	Waterford Region	2	3	9	
Blueback Herring	7	117845	Male	4	Mohawk River	20	1	243			2	1	6/20/2000	6/20/2000	130	4.333333333	Hours	Angling	42	Schenectady Region	12	3	9	
Blueback Herring	1		Male	4	Mohawk River	20	1	243			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region	1	3	7	

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	36		Female	4	Mohawk River	16	1	243			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	62		Male	4	Mohawk River	20	1	243			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	7		Male	4	Mohawk River	20	1	243			2	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	29		Male	4	Mohawk River	20	1	243			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	93		Male	4	Mohawk River	20	1	243			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	80		Female	4	Mohawk River	16	1	243			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	130		Male	4	Mohawk River	20	1	243			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	292		Male	4	Mohawk River	20	1	243			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	317		Male	4	Mohawk River	20	1	243			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	33	121301	Undetermined	4	Mohawk River	24	1	243			4	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	43		Undetermined	4	Mohawk River	24	1	243			4	6	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	48		Female	4	Mohawk River	16	1	243			2	6	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	88	121351	Male	4	Mohawk River	20	1	243			2	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	101	121363	Undetermined	4	Mohawk River	24	1	243			4	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	32		Male	4	Mohawk River	20	1	243			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	63		Female	4	Mohawk River	16	1	243			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	24		Female	4	Mohawk River	16	1	243	124.7	107.3	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	71		Female	4	Mohawk River	16	1	243	140	111.1	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	88		Male	4	Mohawk River	20	1	243	116.7	106.4	2	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	63		Male	4	Mohawk River	20	1	243			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	92		Male	4	Mohawk River	20	1	243			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	106		Male	4	Mohawk River	20	1	243			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	145		Female	4	Mohawk River	16	1	243			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	175		Male	4	Mohawk River	20	1	243			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	193		Male	4	Mohawk River	20	1	243			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	48		Male	4	Mohawk River	20	1	243			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	12		Male	4	Mohawk River	20	1	243			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	16		Female	4	Mohawk River	16	1	243			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	9		Female	4	Mohawk River	16	1	243	134.4	116.1	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	25		Female	4	Mohawk River	16	1	243			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	48		Female	4	Mohawk River	16	1	243			3	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	80		Female	4	Mohawk River	16	1	243			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	102		Male	4	Mohawk River	20	1	243			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	120		Female	4	Mohawk River	16	1	243			3	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	126		Male	4	Mohawk River	20	1	243			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	3		Male	4	Mohawk River	20	1	243			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	20		Male	4	Mohawk River	20	1	243			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	37		Male	4	Mohawk River	20	1	243			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	22		Male	4	Mohawk River	20	1	243	112.1	107.9	3	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	29		Female	4	Mohawk River	16	1	243	105.9	100.6	3	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	37		Male	4	Mohawk River	20	1	243	111.4	103.7	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	57		Female	4	Mohawk River	16	1	243	128.5	103	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	52		Male	4	Mohawk River	20	1	243			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	77		Male	4	Mohawk River	20	1	243			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	15		Male	4	Mohawk River	20	1	243			2	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	16		Male	4	Mohawk River	20	1	243			2	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	25		Male	4	Mohawk River	20	1	243			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	30		Male	4	Mohawk River	20	1	243			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	51		Male	4	Mohawk River	20	1	243			2	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	70		Female	4	Mohawk River	16	1	243			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	51		Male	4	Mohawk River	20	1	243	98.9	95	2	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	2		Male	4	Mohawk River	20	1	243			2	6	6/12/2001	6/12/2001	45	2.25	Hours	Angling	43	Amsterdam Region		38	3	9
Blueback Herring	13		Male	4	Mohawk River	20	1	243			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	1		Female	4	Mohawk River	16	1	243			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	44		Female	4	Mohawk River	16	1	243			1	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	53		Male	4	Mohawk River	20	1	243			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	6	120603	Female	4	Mohawk River	16	1	243			2	1	5/29/2001	5/29/2001	13	0.216666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	2	100367	Male	4	Mohawk River	20	1	244			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	74	100440	Male	4	Mohawk River	20	1	244			3	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	95	100461	Female	4	Mohawk River	16	1	244			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	97	100463	Female	4	Mohawk River	16	1	244			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	105		Female	4	Mohawk River	16	1	244	127	111.2	1	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	37	100503	Male	4	Mohawk River	20	1	244			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	4	100560	Male	4	Mohawk River	20	1	244			3	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	16	100572	Male	4	Mohawk River	20	1	244			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	49	100605	Male	4	Mohawk River	20	1	244			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	55	100611	Male	4	Mohawk River	20	1	244			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	83	100638	Female	4	Mohawk River	16	1	244			1	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	23	100668	Female	4	Mohawk River	16	1	244			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	37	100680	Undetermined	4	Mohawk River	24	1	244			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	60	100703	Male	4	Mohawk River	20	1	244			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	73	100712	Undetermined	4	Mohawk River	24	1	244			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	80	100719	Female	4	Mohawk River	16	1	244			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	113	100751	Female	4	Mohawk River	16	1	244			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	154	100790	Female	4	Mohawk River	16	1	244			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	162	100798	Male	4	Mohawk River	20	1	244			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	212	100836	Female	4	Mohawk River	16	1	244			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	228	100852	Male	4	Mohawk River	20	1	244			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	241	100865	Male	4	Mohawk River	20	1	244			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	251	100873	Female	4	Mohawk River	16	1	244			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	115	100979	Female	4	Mohawk River	16	1	244			3	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	148	109006	Female	4	Mohawk River	16	1	244			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	220	109074	Female	4	Mohawk River	16	1	244			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	275		Male	4	Mohawk River	20	1	244	115.6	107.6	2	3	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	17		Male	4	Mohawk River	20	1	244	124.4	110.3	2	3	5/11/1999	5/11/1999	70	1.166666667	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	19	101087	Male	4	Mohawk River	20	1	244			2	1	5/12/1999	5/12/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	33	101243	Male	4	Mohawk River	20	1	244			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	122	101332	Female	4	Mohawk River	16	1	244			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	260		Female	4	Mohawk River	16	1	244	135	113.4	1	3	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	14	104146	Female	4	Mohawk River	16	1	244			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	102	104305	Male	4	Mohawk River	20	1	244			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	54	104667	Male	4	Mohawk River	20	1	244			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	111	104724	Male	4	Mohawk River	20	1	244			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	9	104786	Female	4	Mohawk River	16	1	244			1	1	5/26/1999	5/26/1999	100	1.666666667	Hours	Angling	43	Amsterdam Region	2	34	3	
Blueback Herring	23	104801	Male	4	Mohawk River	20	1	244			2	1	5/26/1999	5/26/1999	100	1.666666667	Hours	Angling	43	Amsterdam Region	2	34	3	
Blueback Herring	22	104850	Female	4	Mohawk River	16	1	244			1	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	41	104972	Female	4	Mohawk River	16	1	244			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	128	106059	Female	4	Mohawk River	16	1	244			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	175	106106	Female	4	Mohawk River	16	1	244			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	212	106144	Female	4	Mohawk River	16	1	244			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	311	106243	Male	4	Mohawk River	20	1	244			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	323	106255	Female	4	Mohawk River	16	1	244			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	424	106357	Female	4	Mohawk River	16	1	244			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	430	106363	Female	4	Mohawk River	16	1	244			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	461	106394	Male	4	Mohawk River	20	1	244			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	493	106426	Male	4	Mohawk River	20	1	244			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	499	106432	Female	4	Mohawk River	16	1	244			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	5	106446	Male	4	Mohawk River	20	1	244			2	1	6/3/1999	6/3/1999	60	1	Hours	Angling	43	Amsterdam Region	3	38	3	7
Blueback Herring	15	106511	Female	4	Mohawk River	16	1	244			1	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	32	106528	Female	4	Mohawk River	16	1	244			1	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	35	106531	Male	4	Mohawk River	20	1	244			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	14		Female	4	Mohawk River	16	1	244			3	9	6/4/1999	6/4/1999	15			Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	10	106599	Female	4	Mohawk River	16	1	244			2	1	6/9/1999	6/9/1999	63	1.05	Hours	Angling	44	Schoharie Region	2	52	3	1
Blueback Herring	13		Male	4	Mohawk River	20	1	244	103.3	99.4	3	3	6/16/1999	6/16/1999	60	1	Hours	Angling	44	Schoharie Region	3	44	3	
Blueback Herring	58	105229	Female	4	Mohawk River	16	1	244			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	104	105275	Male	4	Mohawk River	20	1	244			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	46	105520	Male	4	Mohawk River	20	1	244			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	71	105545	Female	4	Mohawk River	16	1	244			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	142	105616	Male	4	Mohawk River	20	1	244			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	4	105691	Female	4	Mohawk River	16	1	244			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	26	105713	Male	4	Mohawk River	20	1	244			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	52	105738	Female	4	Mohawk River	16	1	244			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	62	105748	Male	4	Mohawk River	20	1	244			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	186	105873	Male	4	Mohawk River	20	1	244			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	61	107153	Female	4	Mohawk River	16	1	244			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	193	107564	Female	4	Mohawk River	16	1	244			3	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	236	107606	Female	4	Mohawk River	16	1	244			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	276	107646	Female	4	Mohawk River	16	1	244			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	329	107699	Female	4	Mohawk River	16	1	244			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	65	107064	Male	4	Mohawk River	20	1	244			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	107	107256	Female	4	Mohawk River	16	1	244			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	167	107316	Male	4	Mohawk River	20	1	244			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	204	107353	Female	4	Mohawk River	16	1	244			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	206	107355	Female	4	Mohawk River	16	1	244			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	328	107477	Female	4	Mohawk River	16	1	244			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	365	107712	Female	4	Mohawk River	16	1	244			3	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	378	107725	Male	4	Mohawk River	20	1	244			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	388	107735	Female	4	Mohawk River	16	1	244			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	398	107745	Female	4	Mohawk River	16	1	244			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	401	107748	Male	4	Mohawk River	20	1	244			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	90	107817	Female	4	Mohawk River	16	1	244			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	118	107845	Female	4	Mohawk River	16	1	244			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	142	107869	Male	4	Mohawk River	20	1	244			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	177	107902	Male	4	Mohawk River	20	1	244			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	202	107927	Male	4	Mohawk River	20	1	244			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	268	107991	Female	4	Mohawk River	16	1	244			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	301	110373	Undetermined	4	Mohawk River	24	1	244			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	314	110386	Female	4	Mohawk River	16	1	244			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	367	110438	Female	4	Mohawk River	16	1	244			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	396	110467	Female	4	Mohawk River	16	1	244			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	399	110470	Female	4	Mohawk River	16	1	244			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	405	110476	Female	4	Mohawk River	16	1	244			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	458	110526	Male	4	Mohawk River	20	1	244			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	469	110534	Female	4	Mohawk River	16	1	244			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	481	110546	Female	4	Mohawk River	16	1	244			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	13	110013	Female	4	Mohawk River	16	1	244			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	44	110044	Female	4	Mohawk River	16	1	244			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	56	110056	Undetermined	4	Mohawk River	24	1	244			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	128	110128	Male	4	Mohawk River	20	1	244			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	162	110162	Male	4	Mohawk River	20	1	244			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	205	110205	Male	4	Mohawk River	20	1	244			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	257	110257	Female	4	Mohawk River	16	1	244			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	32	110341	Male	4	Mohawk River	20	1	244			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	58	110767	Male	4	Mohawk River	20	1	244			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	87	110795	Male	4	Mohawk River	20	1	244			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	95	110803	Female	4	Mohawk River	16	1	244			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	106	110813	Female	4	Mohawk River	16	1	244			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	22	110959	Male	4	Mohawk River	20	1	244			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	52	110988	Undetermined	4	Mohawk River	24	1	244			4	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	79	110564	Male	4	Mohawk River	20	1	244			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	148	110631	Male	4	Mohawk River	20	1	244			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	164	110647	Male	4	Mohawk River	20	1	244			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	39	111036	Female	4	Mohawk River	16	1	244			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	55	111051	Male	4	Mohawk River	20	1	244			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	270	111255	Male	4	Mohawk River	20	1	244			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	306	111291	Undetermined	4	Mohawk River	24	1	244			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	308	111293	Undetermined	4	Mohawk River	24	1	244			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	15	108024	Female	4	Mohawk River	16	1	244			1	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	22	108030	Female	4	Mohawk River	16	1	244			1	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	31	108038	Female	4	Mohawk River	16	1	244			1	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	19	110739	Male	4	Mohawk River	20	1	244			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	21	111347	Undetermined	4	Mohawk River	24	1	244			4	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	37	111397	Male	4	Mohawk River	20	1	244			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	71	111428	Male	4	Mohawk River	20	1	244			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	12	111513	Male	4	Mohawk River	20	1	244			2	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	27	111528	Female	4	Mohawk River	16	1	244			1	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	38		Male	4	Mohawk River	20	1	244	96.9	91.5	3	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	2		Male	4	Mohawk River	20	1	244	95.3	92.3	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	39	115389	Male	4	Mohawk River	20	1	244			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	40	115390	Male	4	Mohawk River	20	1	244			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	57	116094	Male	4	Mohawk River	20	1	244			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	64	116101	Male	4	Mohawk River	20	1	244			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	66	116103	Male	4	Mohawk River	20	1	244			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	87	116124	Male	4	Mohawk River	20	1	244			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	196	116233	Undetermined	4	Mohawk River	24	1	244			4	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	24		Female	4	Mohawk River	16	1	244	134.8	117.4	1	3	5/11/2000	5/11/2000	15	0.25	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	3	2
Blueback Herring	25	116425	Female	4	Mohawk River	16	1	244			1	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	31	116431	Male	4	Mohawk River	20	1	244			2	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	20	117370	Undetermined	4	Mohawk River	24	1	244			4	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	46	117395	Female	4	Mohawk River	16	1	244			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	101	117671	Male	4	Mohawk River	20	1	244			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	5	117753	Male	4	Mohawk River	20	1	244			2	9	6/1/2000	6/1/2000	70	1.166666667	Hours	Scap net/Lift net	41	Waterford Region		2	3	6
Blueback Herring	1	117773	Male	4	Mohawk River	20	1	244			2	1	6/5/2000	6/5/2000	120	6	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	13	117785	Male	4	Mohawk River	20	1	244			2	1	6/5/2000	6/5/2000	120	6	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	5		Female	4	Mohawk River	16	1	244	125.6	106.3	1	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	9		Male	4	Mohawk River	20	1	244	127.3	113.3	2	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	30	118034	Male	4	Mohawk River	20	1	244			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	51	118055	Male	4	Mohawk River	20	1	244			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	90	118094	Male	4	Mohawk River	20	1	244			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	93	118097	Male	4	Mohawk River	20	1	244			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	5	118115	Male	4	Mohawk River	20	1	244			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	47	118157	Female	4	Mohawk River	16	1	244			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	66	118176	Male	4	Mohawk River	20	1	244			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	70	118180	Male	4	Mohawk River	20	1	244			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	85	118195	Male	4	Mohawk River	20	1	244			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	1	118215	Female	4	Mohawk River	16	1	244			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	11	118225	Male	4	Mohawk River	20	1	244			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	47	118261	Male	4	Mohawk River	20	1	244			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	129	118343	Male	4	Mohawk River	20	1	244			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	177		Male	4	Mohawk River	20	1	244	110.9	100.3	2	3	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	10	118374	Male	4	Mohawk River	20	1	244			2	1	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	31		Female	4	Mohawk River	16	1	244	134	110	1	3	6/5/2000	6/5/2000	190	9.5	Hours	Angling	41	Waterford Region		2	3	9

															Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	4	117842	Male	4	Mohawk River	20	1	244			2	1	6/20/2000	6/20/2000	130	4.333333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	2		Male	4	Mohawk River	20	1	244	103.3	97.7	2	3	6/22/2000	6/22/2000	240	8	Hours	Angling	43	Amsterdam Region		39	3	9
Blueback Herring	7		Female	4	Mohawk River	16	1	244	125.8	100.1	1	3	6/22/2000	6/22/2000	240	8	Hours	Angling	43	Amsterdam Region		39	3	9
Blueback Herring	6		Female	4	Mohawk River	16	1	244			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	51		Male	4	Mohawk River	20	1	244			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	103		Male	4	Mohawk River	20	1	244			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	115		Male	4	Mohawk River	20	1	244			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	184		Male	4	Mohawk River	20	1	244			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	202		Male	4	Mohawk River	20	1	244			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	244		Female	4	Mohawk River	16	1	244			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	291		Male	4	Mohawk River	20	1	244			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	303		Male	4	Mohawk River	20	1	244			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	6	121274	Male	4	Mohawk River	20	1	244			2	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	14	121282	Undetermined	4	Mohawk River	24	1	244			4	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	38	121305	Male	4	Mohawk River	20	1	244			2	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	58	121322	Male	4	Mohawk River	20	1	244			2	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	63	121326	Male	4	Mohawk River	20	1	244			2	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	104	121366	Undetermined	4	Mohawk River	24	1	244			4	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	25	121541	Female	4	Mohawk River	16	1	244			1	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	17		Male	4	Mohawk River	20	1	244			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	44		Male	4	Mohawk River	20	1	244			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	68		Male	4	Mohawk River	20	1	244			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	83		Female	4	Mohawk River	16	1	244			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	143		Male	4	Mohawk River	20	1	244			2	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	5		Male	4	Mohawk River	20	1	244	128.5	115.1	2	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	57		Female	4	Mohawk River	16	1	244	130.4	110.4	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	72		Female	4	Mohawk River	16	1	244	144.7	125	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	7		Male	4	Mohawk River	20	1	244			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	19		Male	4	Mohawk River	20	1	244			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	30		Female	4	Mohawk River	16	1	244			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	31		Male	4	Mohawk River	20	1	244			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	54		Male	4	Mohawk River	20	1	244			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	79		Male	4	Mohawk River	20	1	244			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	83		Male	4	Mohawk River	20	1	244			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	87		Male	4	Mohawk River	20	1	244			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	102		Female	4	Mohawk River	16	1	244			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	113		Male	4	Mohawk River	20	1	244			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	131		Male	4	Mohawk River	20	1	244			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	135		Male	4	Mohawk River	20	1	244			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	22		Female	4	Mohawk River	16	1	244			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	100		Female	4	Mohawk River	16	1	244			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	116		Male	4	Mohawk River	20	1	244			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	125		Male	4	Mohawk River	20	1	244			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	30		Male	4	Mohawk River	20	1	244			2	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	71		Male	4	Mohawk River	20	1	244			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	84		Male	4	Mohawk River	20	1	244			2	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	22		Female	4	Mohawk River	16	1	244	132.1	109.3	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	36		Female	4	Mohawk River	16	1	244	123.4	110	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	5		Female	4	Mohawk River	16	1	244			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	9		Male	4	Mohawk River	20	1	244			3	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	20		Female	4	Mohawk River	16	1	244			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	104		Male	4	Mohawk River	20	1	244			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	113		Female	4	Mohawk River	16	1	244			3	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	6		Male	4	Mohawk River	20	1	244			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	14		Male	4	Mohawk River	20	1	244			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	31		Male	4	Mohawk River	20	1	244			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	38		Male	4	Mohawk River	20	1	244			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	59		Female	4	Mohawk River	16	1	244			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	13		Male	4	Mohawk River	20	1	244			2	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	12		Male	4	Mohawk River	20	1	244	107.4	101	3	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	46		Male	4	Mohawk River	20	1	244	119	109.4	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	63		Female	4	Mohawk River	16	1	244	136.1	106.7	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	83		Female	4	Mohawk River	16	1	244	120.2	99.9	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	87		Male	4	Mohawk River	20	1	244	115	102.3	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	10		Female	4	Mohawk River	16	1	244			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	12		Male	4	Mohawk River	20	1	244			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	23		Male	4	Mohawk River	20	1	244			3	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	35		Male	4	Mohawk River	20	1	244			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	72		Male	4	Mohawk River	20	1	244			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	46		Female	4	Mohawk River	16	1	244			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	76		Male	4	Mohawk River	20	1	244			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	99		Female	4	Mohawk River	16	1	244			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	125		Female	4	Mohawk River	16	1	244			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	133		Female	4	Mohawk River	16	1	244			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	70		Male	4	Mohawk River	20	1	244	105.6	99.9	2	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	25		Male	4	Mohawk River	20	1	244			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	2		Female	4	Mohawk River	16	1	244			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	13		Undetermined	4	Mohawk River	24	1	244			4	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	5	100370	Female	4	Mohawk River	16	1	245			4	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	50	100416	Female	4	Mohawk River	16	1	245			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	108		Female	4	Mohawk River	16	1	245	123.6	101.7	1	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	72	100538	Male	4	Mohawk River	20	1	245			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	79	100545	Female	4	Mohawk River	16	1	245			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	18	100574	Female	4	Mohawk River	16	1	245			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	41	100597	Female	4	Mohawk River	16	1	245			1	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	15	100660	Undetermined	4	Mohawk River	24	1	245			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	26		Female	4	Mohawk River	16	1	245			2	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	93	100732	Male	4	Mohawk River	20	1	245			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	98	100737	Female	4	Mohawk River	16	1	245			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	161	100797	Female	4	Mohawk River	16	1	245			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	171	100805	Female	4	Mohawk River	16	1	245			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	207	100831	Male	4	Mohawk River	20	1	245			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	210	100834	Male	4	Mohawk River	20	1	245			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	247		Undetermined	4	Mohawk River	24	1	245			4	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1		9
Blueback Herring	74	100945	Female	4	Mohawk River	16	1	245			3	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	82	100952	Female	4	Mohawk River	16	1	245			3	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	152	109010	Female	4	Mohawk River	16	1	245			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	222	109076	Female	4	Mohawk River	16	1	245			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	223	109077	Male	4	Mohawk River	20	1	245			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	13		Undetermined	4	Mohawk River	24	1	245			4	6	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	13	109139	Female	4	Mohawk River	16	1	245			1	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	2	101028	Male	4	Mohawk River	20	1	245			2	1	5/11/1999	5/11/1999	70	1.166666667	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	5	101031	Male	4	Mohawk River	20	1	245			2	1	5/11/1999	5/11/1999	70	1.166666667	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	14	101040	Male	4	Mohawk River	20	1	245			2	1	5/11/1999	5/11/1999	70	1.166666667	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	9	101219	Male	4	Mohawk River	20	1	245			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	90	101300	Female	4	Mohawk River	16	1	245			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	178	101388	Male	4	Mohawk River	20	1	245			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	179	101389	Male	4	Mohawk River	20	1	245			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	191	101401	Female	4	Mohawk River	16	1	245			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	215	101425	Male	4	Mohawk River	20	1	245			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	234	101444	Female	4	Mohawk River	16	1	245			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	56		Female	4	Mohawk River	16	1	245	140.1	119	2	3	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	9	104069	Male	4	Mohawk River	20	1	245			2	1	5/18/1999	5/18/1999	20	0.333333333	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	55	104187	Female	4	Mohawk River	16	1	245			3	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	24	104227	Male	4	Mohawk River	20	1	245			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	81	104284	Male	4	Mohawk River	20	1	245			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	137	104340	Female	4	Mohawk River	16	1	245			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	162	104365	Male	4	Mohawk River	20	1	245			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	165	104368	Male	4	Mohawk River	20	1	245			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	228	104431	Female	4	Mohawk River	16	1	245			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	242	104445	Male	4	Mohawk River	20	1	245			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	247	104450	Female	4	Mohawk River	16	1	245			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	250	104453	Female	4	Mohawk River	16	1	245			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	360	104563	Male	4	Mohawk River	20	1	245			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	34		Male	4	Mohawk River	20	1	245	118.9	107.7	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	69		Male	4	Mohawk River	20	1	245	113	103.8	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	31	104644	Male	4	Mohawk River	20	1	245			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	37	104650	Female	4	Mohawk River	16	1	245			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	106	104719	Male	4	Mohawk River	20	1	245			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	108	104721	Female	4	Mohawk River	16	1	245			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	29	104764	Female	4	Mohawk River	16	1	245			1	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	22	104800	Male	4	Mohawk River	20	1	245			2	1	5/26/1999	5/26/1999	100	1.666666667	Hours	Angling	43	Amsterdam Region	2	34	3	
Blueback Herring	6	104834	Male	4	Mohawk River	20	1	245			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	36	104967	Female	4	Mohawk River	16	1	245			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	127	106058	Male	4	Mohawk River	20	1	245			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	183	106114	Male	4	Mohawk River	20	1	245			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	287	106219	Female	4	Mohawk River	16	1	245			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	354	106286	Male	4	Mohawk River	20	1	245			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	362	106294	Male	4	Mohawk River	20	1	245			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	383	106315	Female	4	Mohawk River	16	1	245			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	399	106332	Female	4	Mohawk River	16	1	245			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	420	106353	Male	4	Mohawk River	20	1	245			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	472	106405	Female	4	Mohawk River	16	1	245			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	19	106474	Female	4	Mohawk River	16	1	245			1	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	27	106482	Male	4	Mohawk River	20	1	245			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	9	106505	Female	4	Mohawk River	16	1	245			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	11	106507	Male	4	Mohawk River	20	1	245			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	2		Female	4	Mohawk River	16	1	245			2	9	6/4/1999	6/4/1999	15			Cast net	41	Waterford Region	2	1	3	7

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SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	17	106559	Female	4	Mohawk River	16	1	245			2	9	6/4/1999	6/4/1999	15			Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	8		Male	4	Mohawk River	20	1	245	103.3	98.4	2	3	6/16/1999	6/16/1999	60	1	Hours	Angling	44	Schoharie Region	3	44	3	
Blueback Herring	16		Male	4	Mohawk River	20	1	245	102.5	98	2	3	6/17/1999	6/17/1999	90	1.5	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	23		Male	4	Mohawk River	20	1	245	93.1	88	2	3	6/17/1999	6/17/1999	90	1.5	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	16	105187	Male	4	Mohawk River	20	1	245			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	61	105232	Male	4	Mohawk River	20	1	245			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	97	105268	Male	4	Mohawk River	20	1	245			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	11	105485	Male	4	Mohawk River	20	1	245			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	13	105487	Male	4	Mohawk River	20	1	245			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	78	105552	Female	4	Mohawk River	16	1	245			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	87	105561	Female	4	Mohawk River	16	1	245			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	89	105563	Female	4	Mohawk River	16	1	245			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	92	105566	Female	4	Mohawk River	16	1	245			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	132	105606	Male	4	Mohawk River	20	1	245			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	3	105690	Male	4	Mohawk River	20	1	245			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	22	105709	Male	4	Mohawk River	20	1	245			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	71	105757	Female	4	Mohawk River	16	1	245			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	208	105895	Female	4	Mohawk River	16	1	245			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	107	107229	Female	4	Mohawk River	16	1	245			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	117	107239	Female	4	Mohawk River	16	1	245			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	143	107515	Female	4	Mohawk River	16	1	245			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	150	107522	Female	4	Mohawk River	16	1	245			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	181	107552	Female	4	Mohawk River	16	1	245			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	244	107614	Female	4	Mohawk River	16	1	245			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	259	107629	Female	4	Mohawk River	16	1	245			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	8	107008	Male	4	Mohawk River	20	1	245			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	10	107010	Female	4	Mohawk River	16	1	245			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	77	107076	Female	4	Mohawk River	16	1	245			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	194	107343	Female	4	Mohawk River	16	1	245			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	217	107366	Female	4	Mohawk River	16	1	245			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	319	107468	Male	4	Mohawk River	20	1	245			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	374	107721	Female	4	Mohawk River	16	1	245			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	409	107756	Female	4	Mohawk River	16	1	245			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	433	107779	Female	4	Mohawk River	16	1	245			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	446	107792	Female	4	Mohawk River	16	1	245			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	15		Female	4	Mohawk River	16	1	245	100.3	94.2	3	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	76	107804	Male	4	Mohawk River	20	1	245			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	80	107808	Male	4	Mohawk River	20	1	245			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	233	107958	Male	4	Mohawk River	20	1	245			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	261	107984	Female	4	Mohawk River	16	1	245			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	394	110465	Male	4	Mohawk River	20	1	245			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	420	110490	Undetermined	4	Mohawk River	24	1	245			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	422	110492	Male	4	Mohawk River	20	1	245			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	423	110493	Male	4	Mohawk River	20	1	245			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	57	110057	Female	4	Mohawk River	16	1	245			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	93	110093	Female	4	Mohawk River	16	1	245			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	146	110146	Female	4	Mohawk River	16	1	245			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	197	110197	Female	4	Mohawk River	16	1	245			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	239	110239	Female	4	Mohawk River	16	1	245			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	256	110256	Female	4	Mohawk River	16	1	245			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	278	110278	Male	4	Mohawk River	20	1	245			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	49	110758	Male	4	Mohawk River	20	1	245			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	66	110775	Female	4	Mohawk River	16	1	245			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	67	110776	Female	4	Mohawk River	16	1	245			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	69	110778	Undetermined	4	Mohawk River	24	1	245			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	110	110817	Female	4	Mohawk River	16	1	245			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	131		Male	4	Mohawk River	20	1	245			2	6	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	163	110869	Male	4	Mohawk River	20	1	245			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	168	110874	Undetermined	4	Mohawk River	24	1	245			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	214	110918	Female	4	Mohawk River	16	1	245			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	71	110557	Female	4	Mohawk River	16	1	245			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	84	110569	Male	4	Mohawk River	20	1	245			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	96	110581	Undetermined	4	Mohawk River	24	1	245			4	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	7	111007	Female	4	Mohawk River	16	1	245			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	141	111131	Female	4	Mohawk River	16	1	245			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	161	111150	Female	4	Mohawk River	16	1	245			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	256	111241	Undetermined	4	Mohawk River	24	1	245			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	285	111270	Undetermined	4	Mohawk River	24	1	245			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	321	111306	Male	4	Mohawk River	20	1	245			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	37	108081	Male	4	Mohawk River	20	1	245			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	36		Female	4	Mohawk River	16	1	245			1	6	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	6	110726	Female	4	Mohawk River	16	1	245			1	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	22	111348	Male	4	Mohawk River	20	1	245			2	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	46	111405	Male	4	Mohawk River	20	1	245			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	

															Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	78	111435	Male	4	Mohawk River	20	1	245			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	6		Male	4	Mohawk River	20	1	245	107.7	101.4	2	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	11		Male	4	Mohawk River	20	1	245			2	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	1		Male	4	Mohawk River	20	1	245	99.3	93.1	2	3	6/21/1999	6/21/1999	60	1	Hours	Angling	44	Schoharie Region	5	60	3	
Blueback Herring	9		Male	4	Mohawk River	20	1	245	94.5	90.2	2	3	6/30/1999	6/30/1999	110	1.833333333	Hours	Angling	44	Schoharie Region	5	64	3	9
Blueback Herring	27		Female	4	Mohawk River	16	1	245	110.9	99.5	1	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	35	115385	Male	4	Mohawk River	20	1	245			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	70	115420	Male	4	Mohawk River	20	1	245			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	90	115440	Male	4	Mohawk River	20	1	245			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	32	116069	Male	4	Mohawk River	20	1	245			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	60	116097	Male	4	Mohawk River	20	1	245			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	86	116123	Male	4	Mohawk River	20	1	245			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	105	116142	Male	4	Mohawk River	20	1	245			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	118	116155	Male	4	Mohawk River	20	1	245			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	158	116195	Male	4	Mohawk River	20	1	245			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	176	116213	Male	4	Mohawk River	20	1	245			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	208	116245	Male	4	Mohawk River	20	1	245			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	210	116247	Male	4	Mohawk River	20	1	245			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	218	116255	Male	4	Mohawk River	20	1	245			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	232	116269	Male	4	Mohawk River	20	1	245			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	253	116290	Female	4	Mohawk River	16	1	245			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	23		Male	4	Mohawk River	20	1	245	113.8	104.5	2	3	5/11/2000	5/11/2000	15	0.25	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	3	2
Blueback Herring	12		Female	4	Mohawk River	16	1	245	138.9	111.5	1	3	5/16/2000	5/16/2000	20	0.333333333	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	1	2
Blueback Herring	16		Female	4	Mohawk River	16	1	245	132.5	108.7	1	3	5/16/2000	5/16/2000	20	0.333333333	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	1	2
Blueback Herring	17		Female	4	Mohawk River	16	1	245	119.9	99.5	1	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	31	117381	Female	4	Mohawk River	16	1	245			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	37	117386	Male	4	Mohawk River	20	1	245			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	71	117641	Male	4	Mohawk River	20	1	245			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	75	117645	Female	4	Mohawk River	16	1	245			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	78	117648	Female	4	Mohawk River	16	1	245			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	98	117668	Undetermined	4	Mohawk River	24	1	245			4	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	140	117710	Male	4	Mohawk River	20	1	245			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	3	117775	Female	4	Mohawk River	16	1	245			1	1	6/5/2000	6/5/2000	120	6	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	11	117783	Male	4	Mohawk River	20	1	245			2	1	6/5/2000	6/5/2000	120	6	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	8		Male	4	Mohawk River	20	1	245	120.5	107.9	2	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	13		Male	4	Mohawk River	20	1	245	133.5	121	2	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	19		Female	4	Mohawk River	16	1	245	130.9	107.6	1	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	52	118056	Female	4	Mohawk River	16	1	245			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	70	118074	Female	4	Mohawk River	16	1	245			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	75	118079	Male	4	Mohawk River	20	1	245			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	98	118102	Male	4	Mohawk River	20	1	245			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	26	118136	Male	4	Mohawk River	20	1	245			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	57	118167	Female	4	Mohawk River	16	1	245			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	22	118236	Female	4	Mohawk River	16	1	245			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	66	118280	Female	4	Mohawk River	16	1	245			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	135	118349	Female	4	Mohawk River	16	1	245			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	28	118392	Male	4	Mohawk River	20	1	245			2	1	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	2	118428	Male	4	Mohawk River	20	1	245			2	1	6/5/2000	6/5/2000	190	9.5	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	1	117825	Female	4	Mohawk River	16	1	245			1	1	6/13/2000	6/13/2000	175	8.75	Hours	Angling	44	Schoharie Region		53	3	9
Blueback Herring	5	117843	Female	4	Mohawk River	16	1	245			1	1	6/20/2000	6/20/2000	130	4.333333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	20		Male	4	Mohawk River	20	1	245	111.8	104.3	2	3	6/22/2000	6/22/2000	240	8	Hours	Angling	43	Amsterdam Region		39	3	9
Blueback Herring	11		Male	4	Mohawk River	20	1	245			2	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	42		Male	4	Mohawk River	20	1	245			2	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	76		Female	4	Mohawk River	16	1	245			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	15		Male	4	Mohawk River	20	1	245			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	68		Male	4	Mohawk River	20	1	245			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	111		Male	4	Mohawk River	20	1	245			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	163		Male	4	Mohawk River	20	1	245			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	199		Male	4	Mohawk River	20	1	245			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	228		Male	4	Mohawk River	20	1	245			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	275		Female	4	Mohawk River	16	1	245			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	285		Male	4	Mohawk River	20	1	245			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	300		Male	4	Mohawk River	20	1	245			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	339		Male	4	Mohawk River	20	1	245			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	12	121280	Undetermined	4	Mohawk River	24	1	245			4	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	6	121525	Female	4	Mohawk River	16	1	245			1	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	1		Male	4	Mohawk River	20	1	245			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	16		Female	4	Mohawk River	16	1	245			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	50		Male	4	Mohawk River	20	1	245			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	56		Male	4	Mohawk River	20	1	245			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	86		Male	4	Mohawk River	20	1	245			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	97		Male	4	Mohawk River	20	1	245			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	114		Male	4	Mohawk River	20	1	245			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	122		Female	4	Mohawk River	16	1	245			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2

Adult BBH Data

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SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	124		Male	4	Mohawk River	20	1	245			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	138		Male	4	Mohawk River	20	1	245			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	84		Male	4	Mohawk River	20	1	245	122.7	106	2	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	86		Male	4	Mohawk River	20	1	245	134.8	119.2	2	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	95		Male	4	Mohawk River	20	1	245			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	166		Male	4	Mohawk River	20	1	245			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	184		Female	4	Mohawk River	16	1	245			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	106		Male	4	Mohawk River	20	1	245			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	129		Male	4	Mohawk River	20	1	245			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	1		Female	4	Mohawk River	16	1	245			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	25		Male	4	Mohawk River	20	1	245			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	17		Male	4	Mohawk River	20	1	245	106.7	103.1	3	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	48		Male	4	Mohawk River	20	1	245	110	101.9	2	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	2		Male	4	Mohawk River	20	1	245			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	38		Female	4	Mohawk River	16	1	245			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	67		Male	4	Mohawk River	20	1	245			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	98		Male	4	Mohawk River	20	1	245			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	124		Male	4	Mohawk River	20	1	245			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	11		Male	4	Mohawk River	20	1	245			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	34		Male	4	Mohawk River	20	1	245			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	46		Undetermined	4	Mohawk River	24	1	245			4	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	7		Male	4	Mohawk River	20	1	245			3	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	35		Female	4	Mohawk River	16	1	245			3	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	56		Female	4	Mohawk River	16	1	245			1	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	17		Male	4	Mohawk River	20	1	245	131.7	116.4	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	26		Male	4	Mohawk River	20	1	245	115.9	103.3	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	59		Female	4	Mohawk River	16	1	245	131.6	109	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	61		Male	4	Mohawk River	20	1	245	111.9	100.1	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	71		Female	4	Mohawk River	16	1	245	138.5	115.3	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	37		Male	4	Mohawk River	20	1	245			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	12		Female	4	Mohawk River	16	1	245			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	18		Male	4	Mohawk River	20	1	245			2	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	54		Female	4	Mohawk River	16	1	245			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	65		Female	4	Mohawk River	16	1	245			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	69		Male	4	Mohawk River	20	1	245			2	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	91		Male	4	Mohawk River	20	1	245			2	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	132		Male	4	Mohawk River	20	1	245			2	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	81		Female	4	Mohawk River	16	1	245	108	97.9	3	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	46		Male	4	Mohawk River	20	1	245			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	5	120631	Female	4	Mohawk River	16	1	245			1	1	5/29/2001	5/29/2001	14	0.233333333	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	45	100411	Male	4	Mohawk River	20	1	246			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	21	100487	Male	4	Mohawk River	20	1	246			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	70	100626	Male	4	Mohawk River	20	1	246			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	16	100661	Male	4	Mohawk River	20	1	246			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	140	100777	Female	4	Mohawk River	16	1	246			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	245	100868	Female	4	Mohawk River	16	1	246			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	216	109070	Undetermined	4	Mohawk River	24	1	246			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	225	109079	Undetermined	4	Mohawk River	24	1	246			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	264		Male	4	Mohawk River	20	1	246	105	95.4	2	3	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	273		Female	4	Mohawk River	16	1	246	109.6	101.2	1	3	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	4	109116	Male	4	Mohawk River	20	1	246			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	1	101043	Male	4	Mohawk River	20	1	246			2	1	5/11/1999	5/11/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	10	101052	Male	4	Mohawk River	20	1	246			2	1	5/11/1999	5/11/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	51	101144	Male	4	Mohawk River	20	1	246			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	49	101259	Male	4	Mohawk River	20	1	246			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	62	101272	Male	4	Mohawk River	20	1	246			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	99	101309	Male	4	Mohawk River	20	1	246			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	1	104061	Male	4	Mohawk River	20	1	246			2	1	5/18/1999	5/18/1999	20	0.333333333	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	18	104221	Male	4	Mohawk River	20	1	246			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	27	104230	Male	4	Mohawk River	20	1	246			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	222	104425	Female	4	Mohawk River	16	1	246			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	225	104428	Female	4	Mohawk River	16	1	246			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	274	104477	Male	4	Mohawk River	20	1	246			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	30		Male	4	Mohawk River	20	1	246	119.9	109.8	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	50		Male	4	Mohawk River	20	1	246	113.9	104.7	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	38	104773	Female	4	Mohawk River	16	1	246			1	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	44	104872	Female	4	Mohawk River	16	1	246			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	51	104879	Female	4	Mohawk River	16	1	246			1	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	62	104891	Male	4	Mohawk River	20	1	246			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	90	106030	Female	4	Mohawk River	16	1	246			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	106	106014	Female	4	Mohawk River	16	1	246			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	120	106051	Female	4	Mohawk River	16	1	246			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	404	106337	Female	4	Mohawk River	16	1	246			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	421	106354	Female	4	Mohawk River	16	1	246			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	479	106412	Female	4	Mohawk River	16	1	246			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	2	106443	Female	4	Mohawk River	16	1	246			1	1	6/3/1999	6/3/1999	60	1	Hours	Angling	43	Amsterdam Region	3	38	3	7
Blueback Herring	10	106451	Male	4	Mohawk River	20	1	246			2	1	6/3/1999	6/3/1999	60	1	Hours	Angling	43	Amsterdam Region	3	38	3	7
Blueback Herring	7	106462	Male	4	Mohawk River	20	1	246			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	3	106609	Undetermined	4	Mohawk River	24	1	246			4	1	6/10/1999	6/10/1999	75	1.25	Hours	Angling	43	Amsterdam Region	3	28	3	7
Blueback Herring	16		Female	4	Mohawk River	16	1	246	86.9	83.7	2	3	6/15/1999	6/15/1999				Angling	43	Amsterdam Region	2	28	3	
Blueback Herring	9	105180	Male	4	Mohawk River	20	1	246			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	34	105205	Male	4	Mohawk River	20	1	246			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	282	105453	Female	4	Mohawk River	16	1	246			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	9	105483	Female	4	Mohawk River	16	1	246			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	38	105512	Male	4	Mohawk River	20	1	246			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	101	105575	Male	4	Mohawk River	20	1	246			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	1	105688	Female	4	Mohawk River	16	1	246			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	41	105728	Male	4	Mohawk River	20	1	246			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	64	105750	Female	4	Mohawk River	16	1	246			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	165	105852	Female	4	Mohawk River	16	1	246			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	191	105878	Female	4	Mohawk River	16	1	246			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	10	107102	Female	4	Mohawk River	16	1	246			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	85	107207	Male	4	Mohawk River	20	1	246			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	95	107217	Female	4	Mohawk River	16	1	246			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	247	107617	Female	4	Mohawk River	16	1	246			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	281	107651	Male	4	Mohawk River	20	1	246			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	324	107694	Male	4	Mohawk River	20	1	246			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	94	107093	Male	4	Mohawk River	20	1	246			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	104	107253	Male	4	Mohawk River	20	1	246			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	105	107254	Female	4	Mohawk River	16	1	246			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	124	107272	Female	4	Mohawk River	16	1	246			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	150	107299	Female	4	Mohawk River	16	1	246			3	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	160	107309	Female	4	Mohawk River	16	1	246			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	166	107315	Female	4	Mohawk River	16	1	246			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	227	107376	Female	4	Mohawk River	16	1	246			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	322	107471	Male	4	Mohawk River	20	1	246			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	426	107773	Female	4	Mohawk River	16	1	246			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	119	107846	Female	4	Mohawk River	16	1	246			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	144	107871	Undetermined	4	Mohawk River	24	1	246			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	174	107899	Female	4	Mohawk River	16	1	246			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	239	107964	Undetermined	4	Mohawk River	24	1	246			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	257	107980	Male	4	Mohawk River	20	1	246			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	278	108000	Female	4	Mohawk River	16	1	246			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	299	110371	Female	4	Mohawk River	16	1	246			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	306	110378	Female	4	Mohawk River	16	1	246			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	349	110420	Undetermined	4	Mohawk River	24	1	246			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	383	110454	Female	4	Mohawk River	16	1	246			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	403	110474	Female	4	Mohawk River	16	1	246			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	4	110004	Female	4	Mohawk River	16	1	246			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	22	110022	Male	4	Mohawk River	20	1	246			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	195	110195	Female	4	Mohawk River	16	1	246			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	235	110235	Male	4	Mohawk River	20	1	246			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	277	110277	Female	4	Mohawk River	16	1	246			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	99	110807	Male	4	Mohawk River	20	1	246			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	162	110868	Undetermined	4	Mohawk River	24	1	246			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	231	110935	Female	4	Mohawk River	16	1	246			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	41	110978	Undetermined	4	Mohawk River	24	1	246			4	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	82	110567	Male	4	Mohawk River	20	1	246			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	152	110635	Male	4	Mohawk River	20	1	246			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	97	111089	Female	4	Mohawk River	16	1	246			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	117	111109	Male	4	Mohawk River	20	1	246			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	146	111135	Male	4	Mohawk River	20	1	246			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	4	110672	Male	4	Mohawk River	20	1	246			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	2	110722	Male	4	Mohawk River	20	1	246			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	2	111503	Female	4	Mohawk River	16	1	246			1	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	26	111527	Male	4	Mohawk River	20	1	246			2	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	2		Undetermined	4	Mohawk River	24	1	246			4	6	6/8/1999	6/8/1999				Angling	41	Waterford Region	2	1	3	9
Blueback Herring	11		Male	4	Mohawk River	20	1	246			2	6	6/8/1999	6/8/1999				Angling	41	Waterford Region	2	1	3	9
Blueback Herring	26		Male	4	Mohawk River	20	1	246	100.3	95.6	2	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	24		Female	4	Mohawk River	16	1	246	112.7	99.4	1	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	25		Male	4	Mohawk River	20	1	246	98.5	93.3	3	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	3		Male	4	Mohawk River	20	1	246	103.7	99.6	2	3	6/30/1999	6/30/1999	130	2.166666667	Hours	Angling	44	Schoharie Region	5	64	3	9
Blueback Herring	73	115423	Male	4	Mohawk River	20	1	246			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	140	115490	Female	4	Mohawk River	16	1	246			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	4	116041	Female	4	Mohawk River	16	1	246			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	11	116048	Male	4	Mohawk River	20	1	246			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	42	116079	Male	4	Mohawk River	20	1	246			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	49	116086	Male	4	Mohawk River	20	1	246			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	58	116095	Male	4	Mohawk River	20	1	246			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	71	116108	Male	4	Mohawk River	20	1	246			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	187	116224	Male	4	Mohawk River	20	1	246			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	25		Male	4	Mohawk River	20	1	246	123.6	111.2	2	3	5/11/2000	5/11/2000	15	0.25	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	3	2
Blueback Herring	35	116435	Male	4	Mohawk River	20	1	246			2	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	1		Female	4	Mohawk River	16	1	246	131.9	107.5	1	3	5/16/2000	5/16/2000	20	0.333333333	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	1	2
Blueback Herring	14		Male	4	Mohawk River	20	1	246	110.8	101.9	2	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	31		Female	4	Mohawk River	16	1	246	130	106.7	1	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	32		Male	4	Mohawk River	20	1	246	123.1	107.6	1	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	10	117360	Male	4	Mohawk River	20	1	246			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	30	117380	Male	4	Mohawk River	20	1	246			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	90	117660	Male	4	Mohawk River	20	1	246			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	123	117693	Female	4	Mohawk River	16	1	246			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	135	117705	Female	4	Mohawk River	16	1	246			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	4		Female	4	Mohawk River	16	1	246	132.2	106.3	1	3	5/31/2000	5/31/2000	35	1.75	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	35		Male	4	Mohawk River	20	1	246	117.7	108.5	2	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	32	118036	Female	4	Mohawk River	16	1	246			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	92	118096	Female	4	Mohawk River	16	1	246			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	3	118113	Female	4	Mohawk River	16	1	246			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	20	118130	Male	4	Mohawk River	20	1	246			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	30	118140	Male	4	Mohawk River	20	1	246			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	58	118168	Male	4	Mohawk River	20	1	246			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	78	118188	Male	4	Mohawk River	20	1	246			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	2	118216	Male	4	Mohawk River	20	1	246			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	12	118226	Male	4	Mohawk River	20	1	246			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	15	118229	Male	4	Mohawk River	20	1	246			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	23	118237	Male	4	Mohawk River	20	1	246			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	30	118244	Male	4	Mohawk River	20	1	246			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	33	118247	Male	4	Mohawk River	20	1	246			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	34	118248	Male	4	Mohawk River	20	1	246			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	37	118251	Female	4	Mohawk River	16	1	246			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	44	118258	Male	4	Mohawk River	20	1	246			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	108	118322	Male	4	Mohawk River	20	1	246			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	116	118330	Male	4	Mohawk River	20	1	246			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	139	118353	Female	4	Mohawk River	16	1	246			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	25	118389	Male	4	Mohawk River	20	1	246			2	1	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	8	117806	Male	4	Mohawk River	20	1	246			2	1	6/13/2000	6/13/2000	220	11	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	5		Male	4	Mohawk River	20	1	246	105	95.6	2	3	6/13/2000	6/13/2000	155	2.583333333	Hours	Angling	44	Schoharie Region		53	3	9
Blueback Herring	14	117873	Male	4	Mohawk River	20	1	246			2	1	6/21/2000	6/21/2000	310	10.33333333	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	18	117877	Female	4	Mohawk River	16	1	246			1	1	6/21/2000	6/21/2000	310	10.33333333	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	9		Male	4	Mohawk River	20	1	246	104.8	96.1	2	3	6/22/2000	6/22/2000	240	8	Hours	Angling	43	Amsterdam Region		39	3	9
Blueback Herring	11		Male	4	Mohawk River	20	1	246	108.8	98.7	2	3	6/22/2000	6/22/2000	240	8	Hours	Angling	43	Amsterdam Region		39	3	9
Blueback Herring	69		Male	4	Mohawk River	20	1	246			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	87		Female	4	Mohawk River	16	1	246			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	11		Male	4	Mohawk River	20	1	246			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	13		Male	4	Mohawk River	20	1	246			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	229		Male	4	Mohawk River	20	1	246			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	245		Male	4	Mohawk River	20	1	246			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	254		Male	4	Mohawk River	20	1	246			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	296		Male	4	Mohawk River	20	1	246			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	327		Male	4	Mohawk River	20	1	246			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	7	121275	Male	4	Mohawk River	20	1	246			2	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	30	121298	Undetermined	4	Mohawk River	24	1	246			4	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	69	121332	Male	4	Mohawk River	20	1	246			2	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	95	121358	Male	4	Mohawk River	20	1	246			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	9	121528	Female	4	Mohawk River	16	1	246			1	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	31		Male	4	Mohawk River	20	1	246			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	54		Male	4	Mohawk River	20	1	246			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	58		Male	4	Mohawk River	20	1	246			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	108		Male	4	Mohawk River	20	1	246			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	144		Female	4	Mohawk River	16	1	246			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	74		Female	4	Mohawk River	16	1	246	137.7	114.9	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	80		Male	4	Mohawk River	20	1	246	129.1	116.3	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	6		Male	4	Mohawk River	20	1	246			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	8		Male	4	Mohawk River	20	1	246			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	64		Male	4	Mohawk River	20	1	246			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	99		Male	4	Mohawk River	20	1	246			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	136		Female	4	Mohawk River	16	1	246			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	152		Female	4	Mohawk River	16	1	246			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	162		Male	4	Mohawk River	20	1	246			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	191		Male	4	Mohawk River	20	1	246			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	7		Male	4	Mohawk River	20	1	246			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	18		Male	4	Mohawk River	20	1	246			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9

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SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	28		Female	4	Mohawk River	16	1	246			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	41		Female	4	Mohawk River	16	1	246			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	58		Male	4	Mohawk River	20	1	246			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	85		Female	4	Mohawk River	16	1	246			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	96		Female	4	Mohawk River	16	1	246			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	142		Male	4	Mohawk River	20	1	246			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	14		Undetermined	4	Mohawk River	24	1	246			4	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	79		Undetermined	4	Mohawk River	24	1	246			4	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	87		Male	4	Mohawk River	20	1	246			2	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	90		Male	4	Mohawk River	20	1	246			2	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	89		Female	4	Mohawk River	16	1	246	140.6	113.8	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	102		Female	4	Mohawk River	16	1	246	134.7	108.9	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	93		Female	4	Mohawk River	16	1	246			3	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	119		Female	4	Mohawk River	16	1	246			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	62		Male	4	Mohawk River	20	1	246			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	48		Male	4	Mohawk River	20	1	246			2	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	3		Male	4	Mohawk River	20	1	246			2	6	5/30/2001	5/30/2001	35	2.333333333	Hours	Angling	43	Amsterdam Region		43	3	7
Blueback Herring	16		Male	4	Mohawk River	20	1	246	110.6	105.8	3	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	38		Male	4	Mohawk River	20	1	246	120.2	111.4	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	42		Female	4	Mohawk River	16	1	246	114.6	110.1	3	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	56		Male	4	Mohawk River	20	1	246	116.3	111.6	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	70		Male	4	Mohawk River	20	1	246			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	64		Female	4	Mohawk River	16	1	246			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	87		Female	4	Mohawk River	16	1	246	109.7	99	2	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	3		Female	4	Mohawk River	16	1	246			3	6	6/12/2001	6/12/2001	45	2.25	Hours	Angling	43	Amsterdam Region		38	3	9
Blueback Herring	11		Female	4	Mohawk River	16	1	246			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	61		Female	4	Mohawk River	16	1	246			1	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	22	100388	Female	4	Mohawk River	16	1	247			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	124		Male	4	Mohawk River	20	1	247	120.7	108.8	2	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	133		Female	4	Mohawk River	16	1	247	144.5	118.5	2	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	136		Female	4	Mohawk River	16	1	247	124.9	110.1	1	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	20	100486	Female	4	Mohawk River	16	1	247			3	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	45	100601	Male	4	Mohawk River	20	1	247			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	48	100604	Male	4	Mohawk River	20	1	247			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	101	100740	Male	4	Mohawk River	20	1	247			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	93	100958	Female	4	Mohawk River	16	1	247			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	199	109055	Female	4	Mohawk River	16	1	247			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	285		Male	4	Mohawk River	20	1	247	97.4	89.8	2	3	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	18	109144	Male	4	Mohawk River	20	1	247			2	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	1	101027	Male	4	Mohawk River	20	1	247			2	1	5/11/1999	5/11/1999	70	1.166666667	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	12	101054	Male	4	Mohawk River	20	1	247			2	1	5/11/1999	5/11/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	28	101121	Male	4	Mohawk River	20	1	247			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	34	101127	Female	4	Mohawk River	16	1	247			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	38	101131	Male	4	Mohawk River	20	1	247			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	40	101133	Male	4	Mohawk River	20	1	247			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	63	101156	Male	4	Mohawk River	20	1	247			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	30	101240	Male	4	Mohawk River	20	1	247			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	50	101260	Male	4	Mohawk River	20	1	247			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	59	101269	Male	4	Mohawk River	20	1	247			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	165	101375	Male	4	Mohawk River	20	1	247			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	257	101467	Female	4	Mohawk River	16	1	247			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	19	104222	Male	4	Mohawk River	20	1	247			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	156	104359	Female	4	Mohawk River	16	1	247			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	188	104391	Male	4	Mohawk River	20	1	247			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	202	104405	Female	4	Mohawk River	16	1	247			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	218	104421	Male	4	Mohawk River	20	1	247			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	297	104500	Male	4	Mohawk River	20	1	247			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	312	104515	Male	4	Mohawk River	20	1	247			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	8	104621	Male	4	Mohawk River	20	1	247			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	55	104668	Female	4	Mohawk River	16	1	247			1	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	4	104739	Male	4	Mohawk River	20	1	247			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	9	104744	Female	4	Mohawk River	16	1	247			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	28	104763	Female	4	Mohawk River	16	1	247			1	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	5	104833	Male	4	Mohawk River	20	1	247			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	53	104881	Male	4	Mohawk River	20	1	247			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	70	104899	Female	4	Mohawk River	16	1	247			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	34	104965	Female	4	Mohawk River	16	1	247			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	64	104995	Male	4	Mohawk River	20	1	247			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	130	106061	Female	4	Mohawk River	16	1	247			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	135	106066	Female	4	Mohawk River	16	1	247			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	188	106119	Female	4	Mohawk River	16	1	247			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	215	106147	Female	4	Mohawk River	16	1	247			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	305	106237	Male	4	Mohawk River	20	1	247			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	313	106245	Female	4	Mohawk River	16	1	247			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	442	106375	Male	4	Mohawk River	20	1	247			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	22	106477	Female	4	Mohawk River	16	1	247			3	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	48	106544	Male	4	Mohawk River	20	1	247			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	9	106574	Female	4	Mohawk River	16	1	247			1	1	6/7/1999	6/7/1999	98	1.633333333	Hours	Angling	42	Schenectady Region	4	23	3	6
Blueback Herring	21		Female	4	Mohawk River	16	1	247	120.8	102.8	2	3	6/15/1999	6/15/1999				Angling	43	Amsterdam Region	2	28	3	
Blueback Herring	164	105335	Female	4	Mohawk River	16	1	247			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	197	105368	Male	4	Mohawk River	20	1	247			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	202	105373	Male	4	Mohawk River	20	1	247			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	258	105429	Male	4	Mohawk River	20	1	247			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	56	105742	Male	4	Mohawk River	20	1	247			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	72	105758	Male	4	Mohawk River	20	1	247			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	133	105819	Male	4	Mohawk River	20	1	247			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	155	105842	Male	4	Mohawk River	20	1	247			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	179	105866	Male	4	Mohawk River	20	1	247			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	9	105978	Male	4	Mohawk River	20	1	247			2	1	5/28/1999	5/28/1999	30	0.5	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	17	107109	Male	4	Mohawk River	20	1	247			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	141	107513	Female	4	Mohawk River	16	1	247			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	301	107671	Male	4	Mohawk River	20	1	247			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	28	107027	Female	4	Mohawk River	16	1	247			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	43	107042	Male	4	Mohawk River	20	1	247			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	141	107290	Male	4	Mohawk River	20	1	247			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	192	107341	Female	4	Mohawk River	16	1	247			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	235	107384	Male	4	Mohawk River	20	1	247			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	268	107417	Female	4	Mohawk River	16	1	247			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	335	107484	Female	4	Mohawk River	16	1	247			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	48		Female	4	Mohawk River	16	1	247	95.7	92.8	3	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	246	107970	Female	4	Mohawk River	16	1	247			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	251	107974	Female	4	Mohawk River	16	1	247			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	284	110356	Female	4	Mohawk River	16	1	247			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	303	110375	Female	4	Mohawk River	16	1	247			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	397	110468	Male	4	Mohawk River	20	1	247			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	433	110503	Male	4	Mohawk River	20	1	247			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	485	110550	Female	4	Mohawk River	16	1	247			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	66	110066	Female	4	Mohawk River	16	1	247			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	73	110073	Female	4	Mohawk River	16	1	247			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	221	110221	Male	4	Mohawk River	20	1	247			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	225	110225	Undetermined	4	Mohawk River	24	1	247			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	238	110238	Undetermined	4	Mohawk River	24	1	247			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	259	110259	Male	4	Mohawk River	20	1	247			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	273	110273	Male	4	Mohawk River	20	1	247			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	276	110276	Male	4	Mohawk River	20	1	247			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	20	110329	Male	4	Mohawk River	20	1	247			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	22	110331	Female	4	Mohawk River	16	1	247			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	39	110348	Female	4	Mohawk River	16	1	247			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	36	110973	Male	4	Mohawk River	20	1	247			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	45	110981	Male	4	Mohawk River	20	1	247			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	111	110596	Female	4	Mohawk River	16	1	247			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	144	110627	Male	4	Mohawk River	20	1	247			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	146	110629	Female	4	Mohawk River	16	1	247			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	52	111048	Female	4	Mohawk River	16	1	247			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	69	111064	Female	4	Mohawk River	16	1	247			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	108	111100	Male	4	Mohawk River	20	1	247			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	112	111104	Male	4	Mohawk River	20	1	247			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	135	111126	Female	4	Mohawk River	16	1	247			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	173	111162	Female	4	Mohawk River	16	1	247			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	175	111164	Male	4	Mohawk River	20	1	247			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	219	111206	Male	4	Mohawk River	20	1	247			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	315	111300	Undetermined	4	Mohawk River	24	1	247			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	27	108034	Male	4	Mohawk River	20	1	247			2	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	58	110651	Male	4	Mohawk River	20	1	247			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	56		Undetermined	4	Mohawk River	24	1	247			4	6	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	58	110718	Male	4	Mohawk River	20	1	247			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	5		Male	4	Mohawk River	20	1	247	101.9	95.3	2	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	30		Female	4	Mohawk River	16	1	247	102.3	92.4	1	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	4		Male	4	Mohawk River	20	1	247			2	6	6/17/1999	6/17/1999	60	1	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	2		Male	4	Mohawk River	20	1	247	104.3	98.7	3	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	1		Male	4	Mohawk River	20	1	247	103	97.2	2	3	7/1/1999	7/1/1999	200	3.333333333	Hours	Angling	44	Schoharie Region	5	64	3	9
Blueback Herring	3		Male	4	Mohawk River	20	1	247	102.1	95.9	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	19	115369	Male	4	Mohawk River	20	1	247			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	51	115401	Male	4	Mohawk River	20	1	247			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	58	115408	Male	4	Mohawk River	20	1	247			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	67	115417	Male	4	Mohawk River	20	1	247			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	98	115448	Male	4	Mohawk River	20	1	247			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	138	115488	Male	4	Mohawk River	20	1	247			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	72	116109	Male	4	Mohawk River	20	1	247			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	122	116159	Female	4	Mohawk River	16	1	247			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	183	116220	Male	4	Mohawk River	20	1	247			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	217	116254	Male	4	Mohawk River	20	1	247			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	260	116297	Male	4	Mohawk River	20	1	247			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	24	116424	Male	4	Mohawk River	20	1	247			2	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	7		Female	4	Mohawk River	16	1	247	123.7	110.9	1	3	5/16/2000	5/16/2000	20	0.333333333	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	1	2
Blueback Herring	2		Female	4	Mohawk River	16	1	247	121.7	105.1	1	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	11		Male	4	Mohawk River	20	1	247	115.7	102.8	2	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	8	117358	Male	4	Mohawk River	20	1	247			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	13	117363	Male	4	Mohawk River	20	1	247			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	16	117366	Male	4	Mohawk River	20	1	247			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	29	117379	Male	4	Mohawk River	20	1	247			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	65	117635	Male	4	Mohawk River	20	1	247			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	68	117638	Male	4	Mohawk River	20	1	247			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	80	117650	Female	4	Mohawk River	16	1	247			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	102	117672	Female	4	Mohawk River	16	1	247			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	108	117678	Female	4	Mohawk River	16	1	247			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	114	117684	Male	4	Mohawk River	20	1	247			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	124	117694	Male	4	Mohawk River	20	1	247			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	5		Male	4	Mohawk River	20	1	247	134.5	118.1	2	3	5/31/2000	5/31/2000	35	1.75	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	9	117755	Female	4	Mohawk River	16	1	247			2	9	6/1/2000	6/1/2000	70	1.166666667	Hours	Scap net/Lift net	41	Waterford Region		2	3	6
Blueback Herring	12	117784	Female	4	Mohawk River	16	1	247			1	1	6/5/2000	6/5/2000	120	6	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	15	117787	Male	4	Mohawk River	20	1	247			2	1	6/5/2000	6/5/2000	120	6	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	29		Female	4	Mohawk River	16	1	247	133.7	109.9	1	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	24	118028	Male	4	Mohawk River	20	1	247			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	66	118070	Male	4	Mohawk River	20	1	247			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	73	118077	Female	4	Mohawk River	16	1	247			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	2	118112	Male	4	Mohawk River	20	1	247			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	25	118135	Female	4	Mohawk River	16	1	247			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	38	118252	Male	4	Mohawk River	20	1	247			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	41	118255	Male	4	Mohawk River	20	1	247			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	43	118257	Female	4	Mohawk River	16	1	247			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	70	118284	Female	4	Mohawk River	16	1	247			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	88	118302	Male	4	Mohawk River	20	1	247			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	92	118306	Male	4	Mohawk River	20	1	247			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	149	118363	Female	4	Mohawk River	16	1	247			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	163		Female	4	Mohawk River	16	1	247	124.2	106.8	1	3	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	166		Female	4	Mohawk River	16	1	247	129.6	110.3	1	3	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	30	118394	Male	4	Mohawk River	20	1	247			2	1	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	35		Male	4	Mohawk River	20	1	247	103.8	100.1	2	3	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	31	118425	Female	4	Mohawk River	16	1	247			1	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	16	118442	Female	4	Mohawk River	16	1	247			1	1	6/5/2000	6/5/2000	190	9.5	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	24	118450	Male	4	Mohawk River	20	1	247			2	1	6/5/2000	6/5/2000	190	9.5	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	3	117827	Female	4	Mohawk River	16	1	247			1	1	6/13/2000	6/13/2000	175	8.75	Hours	Angling	44	Schoharie Region		53	3	9
Blueback Herring	3	117851	Male	4	Mohawk River	20	1	247			2	1	6/20/2000	6/20/2000	135	4.5	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	5		Male	4	Mohawk River	20	1	247	106.5	103.4	2	3	6/22/2000	6/22/2000	240	8	Hours	Angling	43	Amsterdam Region		39	3	9
Blueback Herring	8		Male	4	Mohawk River	20	1	247	103.2	95.8	2	3	6/22/2000	6/22/2000	240	8	Hours	Angling	43	Amsterdam Region		39	3	9
Blueback Herring	1	117883	Male	4	Mohawk River	20	1	247			2	1	6/22/2000	6/22/2000	45	1.5	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	41		Male	4	Mohawk River	20	1	247			2	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	75		Male	4	Mohawk River	20	1	247			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	77		Female	4	Mohawk River	16	1	247			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	84		Male	4	Mohawk River	20	1	247			2	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	1		Male	4	Mohawk River	20	1	247			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	44		Male	4	Mohawk River	20	1	247			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	61		Male	4	Mohawk River	20	1	247			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	196		Female	4	Mohawk River	16	1	247			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	200		Male	4	Mohawk River	20	1	247			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	230		Male	4	Mohawk River	20	1	247			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	235		Male	4	Mohawk River	20	1	247			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	241		Male	4	Mohawk River	20	1	247			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	8	121276	Male	4	Mohawk River	20	1	247			2	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	26	121294	Male	4	Mohawk River	20	1	247			2	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	44	121310	Male	4	Mohawk River	20	1	247			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	46	121312	Male	4	Mohawk River	20	1	247			2	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	90	121353	Male	4	Mohawk River	20	1	247			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	93	121356	Male	4	Mohawk River	20	1	247			2	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	106	121368	Male	4	Mohawk River	20	1	247			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	14	121533	Male	4	Mohawk River	20	1	247			2	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	26	121542	Female	4	Mohawk River	16	1	247			1	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	47		Male	4	Mohawk River	20	1	247			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	64		Male	4	Mohawk River	20	1	247			2	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	91		Male	4	Mohawk River	20	1	247			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	145		Female	4	Mohawk River	16	1	247			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	40		Female	4	Mohawk River	16	1	247	134.8	125.6	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	43		Female	4	Mohawk River	16	1	247	135.1	114.8	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	16		Female	4	Mohawk River	16	1	247			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	22		Female	4	Mohawk River	16	1	247			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	96		Female	4	Mohawk River	16	1	247			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	126		Male	4	Mohawk River	20	1	247			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	140		Male	4	Mohawk River	20	1	247			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	161		Male	4	Mohawk River	20	1	247			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	30		Male	4	Mohawk River	20	1	247			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	37		Female	4	Mohawk River	16	1	247			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	93		Male	4	Mohawk River	20	1	247			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	101		Male	4	Mohawk River	20	1	247			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	113		Male	4	Mohawk River	20	1	247			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	132		Male	4	Mohawk River	20	1	247			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	19		Female	4	Mohawk River	16	1	247			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	27		Female	4	Mohawk River	16	1	247			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	8		Female	4	Mohawk River	16	1	247	130.9	111.8	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	44		Female	4	Mohawk River	16	1	247			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	59		Female	4	Mohawk River	16	1	247			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	69		Female	4	Mohawk River	16	1	247			3	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	26		Male	4	Mohawk River	20	1	247			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	3		Female	4	Mohawk River	16	1	247			3	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	9		Male	4	Mohawk River	20	1	247			2	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	42		Male	4	Mohawk River	20	1	247			3	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	7		Male	4	Mohawk River	20	1	247	103.9	95	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	20		Female	4	Mohawk River	16	1	247	119.1	101	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	76		Female	4	Mohawk River	16	1	247	111.4	101.9	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	88		Female	4	Mohawk River	16	1	247	132.9	115.9	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	32		Male	4	Mohawk River	20	1	247			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	40		Male	4	Mohawk River	20	1	247			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	54		Male	4	Mohawk River	20	1	247			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	62		Female	4	Mohawk River	16	1	247			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	76		Female	4	Mohawk River	16	1	247			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	22		Female	4	Mohawk River	16	1	247			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	45		Female	4	Mohawk River	16	1	247			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	58		Female	4	Mohawk River	16	1	247			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	113		Male	4	Mohawk River	20	1	247			2	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	145		Male	4	Mohawk River	20	1	247			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	25		Male	4	Mohawk River	20	1	247	109.6	103.8	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	28		Female	4	Mohawk River	16	1	247	112	105.9	3	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	54		Female	4	Mohawk River	16	1	247			1	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	9	120606	Female	4	Mohawk River	16	1	247			4	1	5/29/2001	5/29/2001	13	0.216666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	17	120623	Female	4	Mohawk River	16	1	247			1	1	5/29/2001	5/29/2001	10	0.166666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	7	120633	Female	4	Mohawk River	16	1	247			1	1	5/29/2001	5/29/2001	14	0.233333333	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	94	100460	Male	4	Mohawk River	20	1	248			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	130		Male	4	Mohawk River	20	1	248	119.2	107.8	2	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	8	100474	Female	4	Mohawk River	16	1	248			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	34	100500	Male	4	Mohawk River	20	1	248			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	213	109067	Male	4	Mohawk River	20	1	248			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	17	101110	Male	4	Mohawk River	20	1	248			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	47	101140	Male	4	Mohawk River	20	1	248			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	172	101382	Male	4	Mohawk River	20	1	248			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	253	101463	Male	4	Mohawk River	20	1	248			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	11	101478	Male	4	Mohawk River	20	1	248			2	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	31	101498	Female	4	Mohawk River	16	1	248			1	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	1	104204	Male	4	Mohawk River	20	1	248			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	30	104233	Male	4	Mohawk River	20	1	248			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	58	104261	Female	4	Mohawk River	16	1	248			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	69	104272	Female	4	Mohawk River	16	1	248			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	122	104325	Female	4	Mohawk River	16	1	248			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	155	104358	Male	4	Mohawk River	20	1	248			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	248	104451	Female	4	Mohawk River	16	1	248			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	323	104526	Female	4	Mohawk River	16	1	248			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	36		Male	4	Mohawk River	20	1	248	121.2	109.1	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	63		Male	4	Mohawk River	20	1	248	121.2	107.4	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	33	104768	Female	4	Mohawk River	16	1	248			1	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	2	104778	Male	4	Mohawk River	20	1	248			2	1	5/26/1999	5/26/1999	100	1.666666667	Hours	Angling	43	Amsterdam Region	2	34	3	
Blueback Herring	18	106473	Female	4	Mohawk River	16	1	248			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	2	106637	Male	4	Mohawk River	20	1	248			2	9	6/16/1999	6/16/1999	210	3.5	Hours	Angling	43	Amsterdam Region	2	35	3	
Blueback Herring	2	105173	Male	4	Mohawk River	20	1	248			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	82	105253	Male	4	Mohawk River	20	1	248			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	84	105255	Male	4	Mohawk River	20	1	248			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	101	105272	Female	4	Mohawk River	16	1	248			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9

Adult BBH Data

																Adult Blueback Herring Data						
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	163	105334	Female	4	Mohawk River	16	1	248			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	225	105396	Male	4	Mohawk River	20	1	248			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	241	105412	Male	4	Mohawk River	20	1	248			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	271	105442	Female	4	Mohawk River	16	1	248			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	120	105806	Female	4	Mohawk River	16	1	248			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	222	107593	Male	4	Mohawk River	20	1	248			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	271	107641	Female	4	Mohawk River	16	1	248			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	275	107645	Male	4	Mohawk River	20	1	248			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	80	107079	Female	4	Mohawk River	16	1	248			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	93	107092	Female	4	Mohawk River	16	1	248			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	143	107292	Female	4	Mohawk River	16	1	248			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	272	107421	Female	4	Mohawk River	16	1	248			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	423	107770	Female	4	Mohawk River	16	1	248			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	425	107772	Female	4	Mohawk River	16	1	248			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	6		Male	4	Mohawk River	20	1	248	118.3	106.3	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	106	107833	Undetermined	4	Mohawk River	24	1	248			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	134	107861	Female	4	Mohawk River	16	1	248			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	179	107904	Male	4	Mohawk River	20	1	248			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	250		Undetermined	4	Mohawk River	24	1	248			4	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	322	110394	Male	4	Mohawk River	20	1	248			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	336	110407	Undetermined	4	Mohawk River	24	1	248			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	343	110414	Female	4	Mohawk River	16	1	248			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	374	110445	Female	4	Mohawk River	16	1	248			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	452	110520	Female	4	Mohawk River	16	1	248			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	462	110528	Female	4	Mohawk River	16	1	248			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	40	110040	Male	4	Mohawk River	20	1	248			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	61	110061	Female	4	Mohawk River	16	1	248			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	95	110095	Male	4	Mohawk River	20	1	248			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	112	110112	Female	4	Mohawk River	16	1	248			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	202	110202	Female	4	Mohawk River	16	1	248			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	207	110207	Female	4	Mohawk River	16	1	248			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	303	110303	Undetermined	4	Mohawk River	24	1	248			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	29	110338	Male	4	Mohawk River	20	1	248			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	138	110844	Male	4	Mohawk River	20	1	248			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	173	110878	Female	4	Mohawk River	16	1	248			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	203	110907	Female	4	Mohawk River	16	1	248			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	30	110967	Male	4	Mohawk River	20	1	248			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	119	110604	Male	4	Mohawk River	20	1	248			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	90	111084	Male	4	Mohawk River	20	1	248			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	110	111102	Female	4	Mohawk River	16	1	248			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	114	111106	Male	4	Mohawk River	20	1	248			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	234	111221	Female	4	Mohawk River	16	1	248			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	247	111233	Male	4	Mohawk River	20	1	248			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	9	108009	Female	4	Mohawk River	16	1	248			1	1	6/7/1999	6/7/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	43		Male	4	Mohawk River	20	1	248			2	6	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	29	111355	Female	4	Mohawk River	16	1	248			1	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	38	111398	Undetermined	4	Mohawk River	24	1	248			4	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	1		Male	4	Mohawk River	20	1	248	88.1	83.2	2	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	5		Undetermined	4	Mohawk River	24	1	248			3	6	6/8/1999	6/8/1999				Angling	41	Waterford Region	2	1	3	9
Blueback Herring	17		Male	4	Mohawk River	20	1	248	100.9	95	2	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	43		Female	4	Mohawk River	16	1	248	110	101.3	1	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	40		Male	4	Mohawk River	20	1	248	130.1	128	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	6	115356	Male	4	Mohawk River	20	1	248			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	45	115395	Male	4	Mohawk River	20	1	248			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	87	115437	Male	4	Mohawk River	20	1	248			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	110	115460	Male	4	Mohawk River	20	1	248			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	29	116066	Female	4	Mohawk River	16	1	248			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	75	116112	Male	4	Mohawk River	20	1	248			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	139	116176	Male	4	Mohawk River	20	1	248			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	222	116259	Female	4	Mohawk River	16	1	248			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	262	116299	Male	4	Mohawk River	20	1	248			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	2	116402	Female	4	Mohawk River	16	1	248			1	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	14	116414	Male	4	Mohawk River	20	1	248			2	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	16	116416	Undetermined	4	Mohawk River	24	1	248			4	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	27		Female	4	Mohawk River	16	1	248	129.7	105.9	1	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	33		Female	4	Mohawk River	16	1	248	138.3	111.1	1	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	28	117378	Female	4	Mohawk River	16	1	248			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	45	117394	Male	4	Mohawk River	20	1	248			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	57	117627	Male	4	Mohawk River	20	1	248			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	94	117664	Female	4	Mohawk River	16	1	248			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	100	117670	Female	4	Mohawk River	16	1	248			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	110	117680	Female	4	Mohawk River	16	1	248			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	131	117701	Male	4	Mohawk River	20	1	248			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	2		Male	4	Mohawk River	20	1	248			2	9	6/1/2000	6/1/2000	70	1.166666667	Hours	Scap net/Lift net	41	Waterford Region		2	3	6

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	2	117774	Male	4	Mohawk River	20	1	248			2	1	6/5/2000	6/5/2000	120	6	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	14		Male	4	Mohawk River	20	1	248	124.5	112.7	2	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	18		Female	4	Mohawk River	16	1	248	117.9	101	1	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	50	118054	Female	4	Mohawk River	16	1	248			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	61	118065	Female	4	Mohawk River	16	1	248			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	22	118132	Male	4	Mohawk River	20	1	248			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	27	118137	Male	4	Mohawk River	20	1	248			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	33	118143	Male	4	Mohawk River	20	1	248			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	13	118227	Male	4	Mohawk River	20	1	248			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	28	118242	Female	4	Mohawk River	16	1	248			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	89	118303	Female	4	Mohawk River	16	1	248			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	98	118312	Male	4	Mohawk River	20	1	248			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	107	118321	Undetermined	4	Mohawk River	24	1	248			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	110	118324	Female	4	Mohawk River	16	1	248			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	156		Female	4	Mohawk River	16	1	248	104.7	99.3	1	3	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	175		Male	4	Mohawk River	20	1	248	118.1	104.2	2	3	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	26	118390	Female	4	Mohawk River	16	1	248			1	1	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	8	118402	Female	4	Mohawk River	16	1	248			1	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	24	118418	Female	4	Mohawk River	16	1	248			1	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	1	117799	Female	4	Mohawk River	16	1	248			1	1	6/13/2000	6/13/2000	220	11	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	14	117812	Male	4	Mohawk River	20	1	248			2	1	6/13/2000	6/13/2000	220	11	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	2	117881	Female	4	Mohawk River	16	1	248			1	1	6/21/2000	6/21/2000	25	0.833333333	Hours	Angling	43	Amsterdam Region		39	3	9
Blueback Herring	50		Male	4	Mohawk River	20	1	248			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	18		Female	4	Mohawk River	16	1	248			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	25		Male	4	Mohawk River	20	1	248			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	40		Male	4	Mohawk River	20	1	248			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	55		Male	4	Mohawk River	20	1	248			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	10		Male	4	Mohawk River	20	1	248			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	56		Male	4	Mohawk River	20	1	248			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	128		Male	4	Mohawk River	20	1	248			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	147		Male	4	Mohawk River	20	1	248			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	155		Male	4	Mohawk River	20	1	248			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	182		Male	4	Mohawk River	20	1	248			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	191		Male	4	Mohawk River	20	1	248			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	205		Male	4	Mohawk River	20	1	248			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	207		Male	4	Mohawk River	20	1	248			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	262		Male	4	Mohawk River	20	1	248			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	287		Female	4	Mohawk River	16	1	248			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	295		Female	4	Mohawk River	16	1	248			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	4	121272	Undetermined	4	Mohawk River	24	1	248			4	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	11	121279	Male	4	Mohawk River	20	1	248			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	103	121365	Male	4	Mohawk River	20	1	248			2	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	22	121538	Female	4	Mohawk River	16	1	248			1	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	7		Female	4	Mohawk River	16	1	248			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	41		Female	4	Mohawk River	16	1	248			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	60		Female	4	Mohawk River	16	1	248			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	121		Male	4	Mohawk River	20	1	248			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	130		Male	4	Mohawk River	20	1	248			2	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	133		Female	4	Mohawk River	16	1	248			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	135		Male	4	Mohawk River	20	1	248			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	35		Female	4	Mohawk River	16	1	248	143.7	125.1	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	44		Female	4	Mohawk River	16	1	248			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	98		Female	4	Mohawk River	16	1	248			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	116		Undetermined	4	Mohawk River	24	1	248			4	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	33		Female	4	Mohawk River	16	1	248			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	77		Female	4	Mohawk River	16	1	248			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	99		Male	4	Mohawk River	20	1	248			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	139		Female	4	Mohawk River	16	1	248			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	22		Female	4	Mohawk River	16	1	248			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	32		Undetermined	4	Mohawk River	24	1	248			4	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	43		Undetermined	4	Mohawk River	24	1	248			4	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	89		Female	4	Mohawk River	16	1	248			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	5		Male	4	Mohawk River	20	1	248	118.6	108.8	2	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	63		Male	4	Mohawk River	20	1	248	134.4	120.1	2	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	85		Female	4	Mohawk River	16	1	248	135.5	108.4	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	10		Female	4	Mohawk River	16	1	248			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	40		Male	4	Mohawk River	20	1	248			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	64		Male	4	Mohawk River	20	1	248			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	73		Male	4	Mohawk River	20	1	248			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	107		Female	4	Mohawk River	16	1	248			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	58		Female	4	Mohawk River	16	1	248			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	64		Female	4	Mohawk River	16	1	248			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	28		Male	4	Mohawk River	20	1	248			2	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	47		Female	4	Mohawk River	16	1	248			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	75		Undetermined	4	Mohawk River	24	1	248			4	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	88		Female	4	Mohawk River	16	1	248			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	96		Female	4	Mohawk River	16	1	248			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	104		Female	4	Mohawk River	16	1	248			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	110		Undetermined	4	Mohawk River	24	1	248			4	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	117		Male	4	Mohawk River	20	1	248			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	1		Female	4	Mohawk River	16	1	248	99.7	98.2	3	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	52		Male	4	Mohawk River	20	1	248	107.1	103.3	3	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	55		Female	4	Mohawk River	16	1	248	105.4	101.8	3	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	71		Male	4	Mohawk River	20	1	248	122	110.2	2	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	21		Male	4	Mohawk River	20	1	248			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	26		Male	4	Mohawk River	20	1	248			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	16		Female	4	Mohawk River	16	1	248			1	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	52		Undetermined	4	Mohawk River	24	1	248			4	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	56		Undetermined	4	Mohawk River	24	1	248			4	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	66		Male	4	Mohawk River	20	1	248			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	2	120628	Male	4	Mohawk River	20	1	248			2	1	5/29/2001	5/29/2001	14	0.233333333	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	4	120630	Undetermined	4	Mohawk River	24	1	248			4	1	5/29/2001	5/29/2001	14	0.233333333	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	125		Female	4	Mohawk River	16	1	249	117.3	107	2	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	24	100490	Undetermined	4	Mohawk River	24	1	249			4	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	66	100532	Female	4	Mohawk River	16	1	249			3	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	81	100547	Female	4	Mohawk River	16	1	249			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	12	100568	Female	4	Mohawk River	16	1	249			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	93		Male	4	Mohawk River	20	1	249	102.1	99.9	2	3	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	4	100649	Undetermined	4	Mohawk River	24	1	249			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	177		Female	4	Mohawk River	16	1	249			3	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	188	100817	Female	4	Mohawk River	16	1	249			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	232	100856	Female	4	Mohawk River	16	1	249			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	111	100975	Male	4	Mohawk River	20	1	249			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	140	100999	Male	4	Mohawk River	20	1	249			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	260		Female	4	Mohawk River	16	1	249	120.9	103.5	1	3	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	281		Male	4	Mohawk River	20	1	249	104.3	101.9	3	3	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	4	101030	Male	4	Mohawk River	20	1	249			2	1	5/11/1999	5/11/1999	70	1.166666667	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	4	101072	Male	4	Mohawk River	20	1	249			2	1	5/12/1999	5/12/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	24	101117	Female	4	Mohawk River	16	1	249			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	81	101174	Male	4	Mohawk River	20	1	249			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	19	101229	Male	4	Mohawk River	20	1	249			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	25	101235	Male	4	Mohawk River	20	1	249			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	150	101360	Male	4	Mohawk River	20	1	249			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	181	101391	Male	4	Mohawk River	20	1	249			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	211	101421	Male	4	Mohawk River	20	1	249			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	261		Female	4	Mohawk River	16	1	249	150.9	124.1	1	3	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	2	104002	Male	4	Mohawk River	20	1	249			2	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	6		Female	4	Mohawk River	16	1	249			1	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	24	104156	Female	4	Mohawk River	16	1	249			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	17	104220	Female	4	Mohawk River	16	1	249			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	104	104307	Male	4	Mohawk River	20	1	249			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	113	104316	Female	4	Mohawk River	16	1	249			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	193	104396	Female	4	Mohawk River	16	1	249			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	239	104442	Male	4	Mohawk River	20	1	249			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	256	104459	Male	4	Mohawk River	20	1	249			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	377	104580	Male	4	Mohawk River	20	1	249			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	380	104583	Male	4	Mohawk River	20	1	249			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	53		Female	4	Mohawk River	16	1	249	141.1	114.1	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	33	104646	Male	4	Mohawk River	20	1	249			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	4	104781	Male	4	Mohawk River	20	1	249			2	1	5/26/1999	5/26/1999	100	1.666666667	Hours	Angling	43	Amsterdam Region	2	34	3	
Blueback Herring	14	104842	Male	4	Mohawk River	20	1	249			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	73	104902	Female	4	Mohawk River	16	1	249			3	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	133	106064	Female	4	Mohawk River	16	1	249			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	190	106122	Female	4	Mohawk River	16	1	249			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	208	106140	Female	4	Mohawk River	16	1	249			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	262	106194	Male	4	Mohawk River	20	1	249			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	275	106207	Male	4	Mohawk River	20	1	249			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	422	106355	Female	4	Mohawk River	16	1	249			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	449	106382	Male	4	Mohawk River	20	1	249			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	2	106567	Male	4	Mohawk River	20	1	249			2	1	6/7/1999	6/7/1999	98	1.633333333	Hours	Angling	42	Schenectady Region	4	23	3	6
Blueback Herring	15		Male	4	Mohawk River	20	1	249	105.4	97.6	2	3	6/17/1999	6/17/1999	90	1.5	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	51	105222	Male	4	Mohawk River	20	1	249			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	98	105269	Male	4	Mohawk River	20	1	249			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	14	107106	Female	4	Mohawk River	16	1	249			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	106	107228	Male	4	Mohawk River	20	1	249			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	173	107544	Male	4	Mohawk River	20	1	249			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	195	107566	Male	4	Mohawk River	20	1	249			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	161	107310	Female	4	Mohawk River	16	1	249			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9

															Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	255	107404	Female	4	Mohawk River	16	1	249			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	54		Male	4	Mohawk River	20	1	249	114.9	103.4	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	376	110447	Male	4	Mohawk River	20	1	249			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	406	110477	Female	4	Mohawk River	16	1	249			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	407	110478	Male	4	Mohawk River	20	1	249			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	447		Male	4	Mohawk River	20	1	249			2	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	467	110532	Undetermined	4	Mohawk River	24	1	249			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	32	110032	Male	4	Mohawk River	20	1	249			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	79	110079	Male	4	Mohawk River	20	1	249			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	142	110142	Female	4	Mohawk River	16	1	249			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	156	110156	Male	4	Mohawk River	20	1	249			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	232	110232	Female	4	Mohawk River	16	1	249			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	48	110757	Male	4	Mohawk River	20	1	249			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	114	110821	Male	4	Mohawk River	20	1	249			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	43		Female	4	Mohawk River	16	1	249			1	6	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	87	110572	Female	4	Mohawk River	16	1	249			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	63	111059	Female	4	Mohawk River	16	1	249			3	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	100	111092	Male	4	Mohawk River	20	1	249			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	151	111140	Male	4	Mohawk River	20	1	249			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	6	108016	Undetermined	4	Mohawk River	24	1	249			4	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	5		Male	4	Mohawk River	20	1	249			2	6	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	50	110713	Male	4	Mohawk River	20	1	249			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	84	111440	Male	4	Mohawk River	20	1	249			3	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	98	111452	Female	4	Mohawk River	16	1	249			1	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	5	111555	Female	4	Mohawk River	16	1	249			1	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	9
Blueback Herring	6	111556	Male	4	Mohawk River	20	1	249			2	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	9
Blueback Herring	6		Female	4	Mohawk River	16	1	249	120.4	107.9	1	3	6/22/1999	6/22/1999	120	2	Hours	Angling	45	Little Falls River	5	78	3	
Blueback Herring	41		Male	4	Mohawk River	20	1	249	98.3	92.4	2	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	29		Male	4	Mohawk River	20	1	249	107.2	100.5	2	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	34	115384	Female	4	Mohawk River	16	1	249			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	89	115439	Male	4	Mohawk River	20	1	249			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	103	115453	Female	4	Mohawk River	16	1	249			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	131	115481	Male	4	Mohawk River	20	1	249			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	143	115493	Undetermined	4	Mohawk River	24	1	249			4	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	30	116067	Female	4	Mohawk River	16	1	249			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	53	116090	Female	4	Mohawk River	16	1	249			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	84	116121	Female	4	Mohawk River	16	1	249			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	103	116140	Female	4	Mohawk River	16	1	249			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	209	116246	Male	4	Mohawk River	20	1	249			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	236	116273	Male	4	Mohawk River	20	1	249			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	7		Male	4	Mohawk River	20	1	249	145.9	127	2	3	5/11/2000	5/11/2000	15	0.25	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	3	2
Blueback Herring	27		Male	4	Mohawk River	20	1	249	136.7	121.2	2	3	5/11/2000	5/11/2000	15	0.25	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	3	2
Blueback Herring	15	116415	Female	4	Mohawk River	16	1	249			1	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	3		Male	4	Mohawk River	20	1	249	137.7	121.2	1	3	5/16/2000	5/16/2000	20	0.333333333	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	1	2
Blueback Herring	4	117776	Male	4	Mohawk River	20	1	249			2	1	6/5/2000	6/5/2000	120	6	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	23	117795	Male	4	Mohawk River	20	1	249			2	1	6/5/2000	6/5/2000	120	6	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	6		Male	4	Mohawk River	20	1	249	141.9	123.2	2	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	31		Female	4	Mohawk River	16	1	249	139.9	114.5	1	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	6	118010	Male	4	Mohawk River	20	1	249			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	47	118051	Female	4	Mohawk River	16	1	249			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	69	118073	Male	4	Mohawk River	20	1	249			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	94	118098	Male	4	Mohawk River	20	1	249			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	8	118118	Male	4	Mohawk River	20	1	249			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	14	118124	Female	4	Mohawk River	16	1	249			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	29	118139	Female	4	Mohawk River	16	1	249			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	60	118170	Female	4	Mohawk River	16	1	249			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	61	118171	Male	4	Mohawk River	20	1	249			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	63	118173	Female	4	Mohawk River	16	1	249			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	75	118185	Male	4	Mohawk River	20	1	249			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	77	118187	Male	4	Mohawk River	20	1	249			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	90	118200	Male	4	Mohawk River	20	1	249			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	49	118263	Undetermined	4	Mohawk River	24	1	249			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	83	118297	Female	4	Mohawk River	16	1	249			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	5	118369	Male	4	Mohawk River	20	1	249			2	1	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	5	118399	Male	4	Mohawk River	20	1	249			2	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	34		Male	4	Mohawk River	20	1	249	116.4	106.1	2	3	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	13	117837	Female	4	Mohawk River	16	1	249			1	1	6/13/2000	6/13/2000	175	8.75	Hours	Angling	44	Schoharie Region		53	3	9
Blueback Herring	3	117841	Male	4	Mohawk River	20	1	249			2	1	6/20/2000	6/20/2000	130	4.333333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	17		Female	4	Mohawk River	16	1	249	127.2	109.3	1	3	6/22/2000	6/22/2000	240	8	Hours	Angling	43	Amsterdam Region		39	3	9
Blueback Herring	5		Male	4	Mohawk River	20	1	249			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	25		Male	4	Mohawk River	20	1	249			2	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	61		Male	4	Mohawk River	20	1	249			2	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	5		Male	4	Mohawk River	20	1	249			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	110		Male	4	Mohawk River	20	1	249			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	114		Male	4	Mohawk River	20	1	249			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	121		Female	4	Mohawk River	16	1	249			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	323		Male	4	Mohawk River	20	1	249			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	111	121373	Male	4	Mohawk River	20	1	249			2	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	5		Undetermined	4	Mohawk River	24	1	249			4	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	25		Male	4	Mohawk River	20	1	249			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	34		Female	4	Mohawk River	16	1	249			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	79		Female	4	Mohawk River	16	1	249			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	8		Female	4	Mohawk River	16	1	249	144	123.7	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	18		Female	4	Mohawk River	16	1	249	135.4	113.7	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	23		Male	4	Mohawk River	20	1	249	136.4	120.9	2	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	33		Male	4	Mohawk River	20	1	249	138.3	121.9	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	60		Female	4	Mohawk River	16	1	249	143.1	126.1	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	69		Male	4	Mohawk River	20	1	249	146.5	130.5	2	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	87		Female	4	Mohawk River	16	1	249	151.6	119.3	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	29		Female	4	Mohawk River	16	1	249			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	182		Male	4	Mohawk River	20	1	249			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	196		Female	4	Mohawk River	16	1	249			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	12		Male	4	Mohawk River	20	1	249			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	24		Female	4	Mohawk River	16	1	249			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	25		Female	4	Mohawk River	16	1	249			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	35		Male	4	Mohawk River	20	1	249			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	43		Female	4	Mohawk River	16	1	249			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	97		Female	4	Mohawk River	16	1	249			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	150		Male	4	Mohawk River	20	1	249			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	53		Male	4	Mohawk River	20	1	249			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	63		Female	4	Mohawk River	16	1	249			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	61		Male	4	Mohawk River	20	1	249			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	75		Female	4	Mohawk River	16	1	249			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	54		Male	4	Mohawk River	20	1	249			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	78		Male	4	Mohawk River	20	1	249			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	85		Female	4	Mohawk River	16	1	249			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	30		Male	4	Mohawk River	20	1	249			3	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	40		Male	4	Mohawk River	20	1	249			2	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	30		Female	4	Mohawk River	16	1	249			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	31		Male	4	Mohawk River	20	1	249			3	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	59		Male	4	Mohawk River	20	1	249			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	53		Female	4	Mohawk River	16	1	249			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	80		Male	4	Mohawk River	20	1	249			2	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	146		Female	4	Mohawk River	16	1	249			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	34		Female	4	Mohawk River	16	1	249	127.7	108.7	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	45		Female	4	Mohawk River	16	1	249	109.7	100.6	3	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	76		Male	4	Mohawk River	20	1	249	113.3	108.4	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	84		Female	4	Mohawk River	16	1	249	125.2	105.6	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	80		Male	4	Mohawk River	20	1	249			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	1	120607	Female	4	Mohawk River	16	1	249			1	1	5/29/2001	5/29/2001	10	0.166666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	14	120640	Female	4	Mohawk River	16	1	249			1	1	5/29/2001	5/29/2001	14	0.233333333	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	33	100399	Male	4	Mohawk River	20	1	250			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	73	100439	Male	4	Mohawk River	20	1	250			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	7	100473	Male	4	Mohawk River	20	1	250			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	19	100485	Female	4	Mohawk River	16	1	250			3	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	31	100497	Male	4	Mohawk River	20	1	250			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	8	100564	Male	4	Mohawk River	20	1	250			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	89	100728	Undetermined	4	Mohawk River	24	1	250			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	69	100940	Female	4	Mohawk River	16	1	250			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	150	109008	Male	4	Mohawk River	20	1	250			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	26	101068	Female	4	Mohawk River	16	1	250			1	1	5/11/1999	5/11/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	18	101111	Female	4	Mohawk River	16	1	250			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	22	101115	Male	4	Mohawk River	20	1	250			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	67	101160	Male	4	Mohawk River	20	1	250			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	107	101200	Female	4	Mohawk River	16	1	250			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	111	101204	Male	4	Mohawk River	20	1	250			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	11	101221	Male	4	Mohawk River	20	1	250			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	31	101241	Male	4	Mohawk River	20	1	250			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	116	101326	Female	4	Mohawk River	16	1	250			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	217	101427	Male	4	Mohawk River	20	1	250			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	227	101437	Male	4	Mohawk River	20	1	250			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	239	101449	Female	4	Mohawk River	16	1	250			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	242	101452	Female	4	Mohawk River	16	1	250			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	5	101472	Female	4	Mohawk River	16	1	250			1	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	43		Female	4	Mohawk River	16	1	250	130.2	116.7	1	3	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	12	104144	Male	4	Mohawk River	20	1	250			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	38	104170	Female	4	Mohawk River	16	1	250			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	3	104206	Male	4	Mohawk River	20	1	250			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	78	104281	Male	4	Mohawk River	20	1	250			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	124	104327	Female	4	Mohawk River	16	1	250			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	128	104331	Male	4	Mohawk River	20	1	250			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	308	104511	Female	4	Mohawk River	16	1	250			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	352	104555	Male	4	Mohawk River	20	1	250			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	394	104597	Male	4	Mohawk River	20	1	250			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	7		Male	4	Mohawk River	20	1	250	130	113.8	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	68		Male	4	Mohawk River	20	1	250	131.9	114.1	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	41	104654	Female	4	Mohawk River	16	1	250			1	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	50	104663	Female	4	Mohawk River	16	1	250			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	81	104694	Male	4	Mohawk River	20	1	250			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	114	104727	Male	4	Mohawk River	20	1	250			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	13	104748	Male	4	Mohawk River	20	1	250			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	4	104822	Female	4	Mohawk River	16	1	250			2	1	5/27/1999	5/27/1999	82	1.366666667	Hours	Angling	42	Schenectady Region	4	23	3	
Blueback Herring	16	104844	Female	4	Mohawk River	16	1	250			3	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	46	104874	Male	4	Mohawk River	20	1	250			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	89	104918	Male	4	Mohawk River	20	1	250			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	2	104933	Female	4	Mohawk River	16	1	250			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	5	104936	Male	4	Mohawk River	20	1	250			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	58	104989	Male	4	Mohawk River	20	1	250			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	104	106016	Male	4	Mohawk River	20	1	250			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	137	106068	Female	4	Mohawk River	16	1	250			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	148	106079	Female	4	Mohawk River	16	1	250			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	407	106340	Male	4	Mohawk River	20	1	250			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	15		Male	4	Mohawk River	20	1	250	72.2	69.4	2	3	6/3/1999	6/3/1999	60	1	Hours	Angling	43	Amsterdam Region	3	38	3	7
Blueback Herring	3	106458	Male	4	Mohawk River	20	1	250			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	37	106492	Female	4	Mohawk River	16	1	250			1	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	6	106502	Male	4	Mohawk River	20	1	250			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	13	106509	Male	4	Mohawk River	20	1	250			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	8		Male	4	Mohawk River	20	1	250	96.6	94.2	3	3	6/15/1999	6/15/1999				Angling	43	Amsterdam Region	2	28	3	
Blueback Herring	77	105248	Female	4	Mohawk River	16	1	250			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	80	105251	Male	4	Mohawk River	20	1	250			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	293	105464	Male	4	Mohawk River	20	1	250			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	298	105469	Female	4	Mohawk River	16	1	250			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	2	105476	Male	4	Mohawk River	20	1	250			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	145	105619	Female	4	Mohawk River	16	1	250			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	5	105692	Female	4	Mohawk River	16	1	250			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	122	105808	Male	4	Mohawk River	20	1	250			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	130	105816	Female	4	Mohawk River	16	1	250			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	140	105826	Female	4	Mohawk River	16	1	250			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	11	105980	Male	4	Mohawk River	20	1	250			2	1	5/28/1999	5/28/1999	30	0.5	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	42	107134	Male	4	Mohawk River	20	1	250			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	56	107148	Male	4	Mohawk River	20	1	250			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	198	107569	Female	4	Mohawk River	16	1	250			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	229	107600	Undetermined	4	Mohawk River	24	1	250			4	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	314	107684	Female	4	Mohawk River	16	1	250			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	97	107096	Undetermined	4	Mohawk River	24	1	250			4	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	110	107259	Female	4	Mohawk River	16	1	250			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	163	107312	Female	4	Mohawk River	16	1	250			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	229	107378	Female	4	Mohawk River	16	1	250			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	248	107397	Male	4	Mohawk River	20	1	250			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	57		Male	4	Mohawk River	20	1	250	107.9	102.1	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	97	107824	Female	4	Mohawk River	16	1	250			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	198	107923	Male	4	Mohawk River	20	1	250			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	317	110389	Female	4	Mohawk River	16	1	250			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	28	110028	Female	4	Mohawk River	16	1	250			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	82	110082	Female	4	Mohawk River	16	1	250			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	286	110286	Male	4	Mohawk River	20	1	250			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	298	110298	Undetermined	4	Mohawk River	24	1	250			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	11	110320	Male	4	Mohawk River	20	1	250			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	119	110826	Female	4	Mohawk River	16	1	250			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	220	110924	Female	4	Mohawk River	16	1	250			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	125	110610	Undetermined	4	Mohawk River	24	1	250			4	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	128	110613	Male	4	Mohawk River	20	1	250			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	40	111037	Female	4	Mohawk River	16	1	250			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	103	111095	Undetermined	4	Mohawk River	24	1	250			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	144		Female	4	Mohawk River	16	1	250			3	6	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	268	111253	Female	4	Mohawk River	16	1	250			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	294	111279	Undetermined	4	Mohawk River	24	1	250			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	10	108010	Male	4	Mohawk River	20	1	250			2	1	6/7/1999	6/7/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	30		Female	4	Mohawk River	16	1	250			1	6	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	80	111437	Female	4	Mohawk River	16	1	250			1	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	15		Male	4	Mohawk River	20	1	250			3	6	6/8/1999	6/8/1999				Angling	41	Waterford Region	2	1	3	9
Blueback Herring	2		Male	4	Mohawk River	20	1	250	100.6	93.3	2	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	

															Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	28		Female	4	Mohawk River	16	1	250	108.3	97.7	1	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	41		Female	4	Mohawk River	16	1	250	109.3	102.2	1	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	4		Male	4	Mohawk River	20	1	250			2	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	23		Male	4	Mohawk River	20	1	250	106.9	102	2	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	34		Male	4	Mohawk River	20	1	250	106.3	100.2	2	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	13		Male	4	Mohawk River	20	1	250	105.4	100.6	2	3	6/22/1999	6/22/1999	20	0.333333333	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	5		Male	4	Mohawk River	20	1	250	104.1	98	2	3	7/1/1999	7/1/1999	200	3.333333333	Hours	Angling	44	Schoharie Region	5	64	3	9
Blueback Herring	10	115360	Male	4	Mohawk River	20	1	250			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	38	115388	Male	4	Mohawk River	20	1	250			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	61	115411	Male	4	Mohawk River	20	1	250			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	71	115421	Male	4	Mohawk River	20	1	250			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	86	115436	Female	4	Mohawk River	16	1	250			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	112	115462	Female	4	Mohawk River	16	1	250			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	122	115472	Female	4	Mohawk River	16	1	250			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	123	115473	Undetermined	4	Mohawk River	24	1	250			4	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	15	116052	Male	4	Mohawk River	20	1	250			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	48	116085	Undetermined	4	Mohawk River	24	1	250			4	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	51	116088	Female	4	Mohawk River	16	1	250			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	61	116098	Male	4	Mohawk River	20	1	250			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	93	116130	Male	4	Mohawk River	20	1	250			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	101	116138	Female	4	Mohawk River	16	1	250			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	104	116141	Male	4	Mohawk River	20	1	250			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	154	116191	Male	4	Mohawk River	20	1	250			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	168	116205	Male	4	Mohawk River	20	1	250			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	184	116221	Male	4	Mohawk River	20	1	250			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	195	116232	Male	4	Mohawk River	20	1	250			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	201	116238	Male	4	Mohawk River	20	1	250			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	212	116249	Female	4	Mohawk River	16	1	250			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	219	116256	Female	4	Mohawk River	16	1	250			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	237	116274	Male	4	Mohawk River	20	1	250			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	3		Male	4	Mohawk River	20	1	250	134.2	121.9	2	3	5/11/2000	5/11/2000	15	0.25	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	3	2
Blueback Herring	1	117351	Male	4	Mohawk River	20	1	250			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	38	117387	Female	4	Mohawk River	16	1	250			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	64	117634	Male	4	Mohawk River	20	1	250			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	66	117636	Female	4	Mohawk River	16	1	250			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	72	117642	Female	4	Mohawk River	16	1	250			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	88	117658	Female	4	Mohawk River	16	1	250			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	6	117778	Male	4	Mohawk River	20	1	250			2	1	6/5/2000	6/5/2000	120	6	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	1		Female	4	Mohawk River	16	1	250	138.3	112.5	1	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	2		Female	4	Mohawk River	16	1	250	136.3	110.7	1	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	22		Female	4	Mohawk River	16	1	250	147.4	132.2	1	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	33		Male	4	Mohawk River	20	1	250	130	117.8	2	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	41		Male	4	Mohawk River	20	1	250	136.9	122.3	2	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	18	118022	Male	4	Mohawk River	20	1	250			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	45	118049	Male	4	Mohawk River	20	1	250			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	84	118088	Male	4	Mohawk River	20	1	250			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	87	118091	Female	4	Mohawk River	16	1	250			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	6	118116	Female	4	Mohawk River	16	1	250			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	35	118145	Male	4	Mohawk River	20	1	250			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	17	118231	Female	4	Mohawk River	16	1	250			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	19	118233	Male	4	Mohawk River	20	1	250			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	27	118241	Male	4	Mohawk River	20	1	250			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	50	118264	Male	4	Mohawk River	20	1	250			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	55	118269	Female	4	Mohawk River	16	1	250			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	58	118272	Undetermined	4	Mohawk River	24	1	250			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	118	118332	Female	4	Mohawk River	16	1	250			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	128	118342	Male	4	Mohawk River	20	1	250			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	148	118362	Male	4	Mohawk River	20	1	250			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	2	118366	Female	4	Mohawk River	16	1	250			1	1	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	34		Female	4	Mohawk River	16	1	250	145.6	116	1	3	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	33		Male	4	Mohawk River	20	1	250	113.7	103.2	2	3	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	28		Female	4	Mohawk River	16	1	250	145.1	117	1	3	6/5/2000	6/5/2000	190	9.5	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	12	117810	Male	4	Mohawk River	20	1	250			2	1	6/13/2000	6/13/2000	220	11	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	17	117815	Female	4	Mohawk River	16	1	250			1	1	6/13/2000	6/13/2000	220	11	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	25	117823	Male	4	Mohawk River	20	1	250			2	1	6/13/2000	6/13/2000	220	11	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	9		Male	4	Mohawk River	20	1	250	114.5	107.2	2	3	6/13/2000	6/13/2000	155	2.583333333	Hours	Angling	44	Schoharie Region		53	3	9
Blueback Herring	6	117844	Male	4	Mohawk River	20	1	250			2	1	6/20/2000	6/20/2000	130	4.333333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	7	117866	Male	4	Mohawk River	20	1	250			2	1	6/21/2000	6/21/2000	310	10.33333333	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	34		Male	4	Mohawk River	20	1	250			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	55		Male	4	Mohawk River	20	1	250			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	56		Male	4	Mohawk River	20	1	250			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	71		Female	4	Mohawk River	16	1	250			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	62		Male	4	Mohawk River	20	1	250			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	168		Male	4	Mohawk River	20	1	250			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	179		Female	4	Mohawk River	16	1	250			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	236		Male	4	Mohawk River	20	1	250			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	271		Male	4	Mohawk River	20	1	250			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	293		Male	4	Mohawk River	20	1	250			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	298		Female	4	Mohawk River	16	1	250			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	309		Male	4	Mohawk River	20	1	250			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	42	121309	Undetermined	4	Mohawk River	24	1	250			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	73	121336	Female	4	Mohawk River	16	1	250			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	2	121521	Male	4	Mohawk River	20	1	250			2	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	7	121526	Female	4	Mohawk River	16	1	250			1	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	29	121543	Male	4	Mohawk River	20	1	250			2	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	40	121554	Male	4	Mohawk River	20	1	250			2	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	42	121556	Male	4	Mohawk River	20	1	250			2	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	2		Male	4	Mohawk River	20	1	250			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	15		Male	4	Mohawk River	20	1	250			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	24		Male	4	Mohawk River	20	1	250			2	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	38		Male	4	Mohawk River	20	1	250			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	39		Female	4	Mohawk River	16	1	250			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	52		Male	4	Mohawk River	20	1	250			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	70		Undetermined	4	Mohawk River	24	1	250			4	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	87		Male	4	Mohawk River	20	1	250			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	88		Male	4	Mohawk River	20	1	250			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	94		Female	4	Mohawk River	16	1	250			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	139		Female	4	Mohawk River	16	1	250			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	21		Female	4	Mohawk River	16	1	250	147.4	120.4	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	37		Male	4	Mohawk River	20	1	250	131.8	116.5	2	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	58		Male	4	Mohawk River	20	1	250	138.4	122.7	2	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	73		Male	4	Mohawk River	20	1	250	127.7	115.9	2	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	90		Female	4	Mohawk River	16	1	250	144.4	114.4	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	66		Male	4	Mohawk River	20	1	250			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	74		Male	4	Mohawk River	20	1	250			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	80		Female	4	Mohawk River	16	1	250			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	86		Male	4	Mohawk River	20	1	250			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	158		Female	4	Mohawk River	16	1	250			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	160		Male	4	Mohawk River	20	1	250			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	185		Female	4	Mohawk River	16	1	250			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	94		Male	4	Mohawk River	20	1	250			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	50		Male	4	Mohawk River	20	1	250			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	73		Female	4	Mohawk River	16	1	250			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	25		Male	4	Mohawk River	20	1	250	123.4	113	2	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	67		Male	4	Mohawk River	20	1	250	125.8	112.4	2	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	86		Female	4	Mohawk River	16	1	250	149.3	123.9	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	19		Male	4	Mohawk River	20	1	250			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	23		Female	4	Mohawk River	16	1	250			3	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	24		Female	4	Mohawk River	16	1	250			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	52		Male	4	Mohawk River	20	1	250			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	57		Female	4	Mohawk River	16	1	250			3	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	82		Female	4	Mohawk River	16	1	250			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	83		Female	4	Mohawk River	16	1	250			3	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	116		Male	4	Mohawk River	20	1	250			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	21		Female	4	Mohawk River	16	1	250			1	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	3		Female	4	Mohawk River	16	1	250			1	6	5/31/2001	5/31/2001	75	3.75	Hours	Angling	44	Schoharie Region		63	3	9
Blueback Herring	13		Male	4	Mohawk River	20	1	250			3	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	38		Female	4	Mohawk River	16	1	250			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	42		Male	4	Mohawk River	20	1	250			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	61		Male	4	Mohawk River	20	1	250			3	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	73		Male	4	Mohawk River	20	1	250			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	75		Female	4	Mohawk River	16	1	250			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	5		Male	4	Mohawk River	20	1	250			3	6	6/5/2001	6/5/2001	80	2.666666667	Hours	Angling	43	Amsterdam Region		38	3	9
Blueback Herring	27		Female	4	Mohawk River	16	1	250			2	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	94		Male	4	Mohawk River	20	1	250			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	95		Male	4	Mohawk River	20	1	250			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	119		Male	4	Mohawk River	20	1	250			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	121		Female	4	Mohawk River	16	1	250			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	122		Male	4	Mohawk River	20	1	250			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	3		Male	4	Mohawk River	20	1	250	106.3	101.7	2	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	48		Female	4	Mohawk River	16	1	250	132.7	110.7	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	21		Female	4	Mohawk River	16	1	250			1	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	29		Undetermined	4	Mohawk River	24	1	250			4	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	15	120621	Male	4	Mohawk River	20	1	250			2	1	5/29/2001	5/29/2001	10	0.166666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	8	120634	Female	4	Mohawk River	16	1	250			1	1	5/29/2001	5/29/2001	14	0.233333333	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	70	100436	Female	4	Mohawk River	16	1	251			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	103		Male	4	Mohawk River	20	1	251	127.8	118.3	2	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	39	100505	Female	4	Mohawk River	16	1	251			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	75	100541	Male	4	Mohawk River	20	1	251			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	23	100899	Female	4	Mohawk River	16	1	251			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	267		Male	4	Mohawk River	20	1	251	112.6	110.5	3	3	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	268		Female	4	Mohawk River	16	1	251	127.6	105.6	1	3	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	4	101097	Male	4	Mohawk River	20	1	251			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	10	101103	Male	4	Mohawk River	20	1	251			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	25	101118	Male	4	Mohawk River	20	1	251			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	84	101177	Male	4	Mohawk River	20	1	251			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	110	101203	Female	4	Mohawk River	16	1	251			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	5	101215	Female	4	Mohawk River	16	1	251			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	74	101284	Male	4	Mohawk River	20	1	251			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	84	101294	Male	4	Mohawk River	20	1	251			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	89	101299	Female	4	Mohawk River	16	1	251			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	20	101487	Female	4	Mohawk River	16	1	251			1	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	30	101497	Male	4	Mohawk River	20	1	251			2	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	9	104009	Female	4	Mohawk River	16	1	251			1	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	19	104019	Female	4	Mohawk River	16	1	251			1	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	44		Female	4	Mohawk River	16	1	251	134.1	120.1	1	3	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	15	104147	Female	4	Mohawk River	16	1	251			1	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	34	104166	Female	4	Mohawk River	16	1	251			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	52	104255	Male	4	Mohawk River	20	1	251			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	204	104407	Female	4	Mohawk River	16	1	251			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	246	104449	Male	4	Mohawk River	20	1	251			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	313	104516	Male	4	Mohawk River	20	1	251			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	344	104547	Male	4	Mohawk River	20	1	251			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	391	104594	Male	4	Mohawk River	20	1	251			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	104	104717	Female	4	Mohawk River	16	1	251			1	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	4	104832	Male	4	Mohawk River	20	1	251			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	50	104878	Female	4	Mohawk River	16	1	251			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	83	104912	Male	4	Mohawk River	20	1	251			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	110	106010	Female	4	Mohawk River	16	1	251			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	160	106091	Female	4	Mohawk River	16	1	251			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	210	106142	Male	4	Mohawk River	20	1	251			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	285	106217	Male	4	Mohawk River	20	1	251			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	433	106366	Female	4	Mohawk River	16	1	251			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	492	106425	Female	4	Mohawk River	16	1	251			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	13		Female	4	Mohawk River	16	1	251	130.3	114.5	2	3	6/15/1999	6/15/1999				Angling	43	Amsterdam Region	2	28	3	
Blueback Herring	110	105281	Male	4	Mohawk River	20	1	251			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	240	105411	Female	4	Mohawk River	16	1	251			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	256	105427	Male	4	Mohawk River	20	1	251			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	272	105443	Male	4	Mohawk River	20	1	251			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	25	105499	Male	4	Mohawk River	20	1	251			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	57	107149	Female	4	Mohawk River	16	1	251			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	119	107241	Male	4	Mohawk River	20	1	251			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	246	107616	Female	4	Mohawk River	16	1	251			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	136	107285	Female	4	Mohawk River	16	1	251			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	200	107349	Male	4	Mohawk River	20	1	251			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	306	107455	Undetermined	4	Mohawk River	24	1	251			3	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	5		Male	4	Mohawk River	20	1	251	108.1	104.2	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	93	107820	Male	4	Mohawk River	20	1	251			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	227	107952	Female	4	Mohawk River	16	1	251			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	245		Undetermined	4	Mohawk River	24	1	251			3	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	81	110081	Female	4	Mohawk River	16	1	251			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	228	110228	Female	4	Mohawk River	16	1	251			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	218	110922	Male	4	Mohawk River	20	1	251			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	85		Male	4	Mohawk River	20	1	251			2	6	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	30	108037	Female	4	Mohawk River	16	1	251			1	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	46	108089	Female	4	Mohawk River	16	1	251			1	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	37	111316	Male	4	Mohawk River	20	1	251			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	35		Female	4	Mohawk River	16	1	251	136.6	118.7	1	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	20	111521	Male	4	Mohawk River	20	1	251			2	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	8		Female	4	Mohawk River	16	1	251			1	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	36		Male	4	Mohawk River	20	1	251	107.8	101.5	2	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	50	115400	Female	4	Mohawk River	16	1	251			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	52	115402	Female	4	Mohawk River	16	1	251			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	116	115466	Undetermined	4	Mohawk River	24	1	251			4	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	46	116083	Female	4	Mohawk River	16	1	251			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	68	116105	Male	4	Mohawk River	20	1	251			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	80	116117	Undetermined	4	Mohawk River	24	1	251			4	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	96	116133	Female	4	Mohawk River	16	1	251			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	123	116160	Male	4	Mohawk River	20	1	251			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	223	116260	Male	4	Mohawk River	20	1	251			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	247	116284	Undetermined	4	Mohawk River	24	1	251			4	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	12	116412	Male	4	Mohawk River	20	1	251			2	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2

															Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	13	116413	Female	4	Mohawk River	16	1	251			1	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	18	116418	Undetermined	4	Mohawk River	24	1	251			4	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	10		Female	4	Mohawk River	16	1	251	124.4	113.7	1	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	18		Male	4	Mohawk River	20	1	251	132	121.7	2	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	29		Female	4	Mohawk River	16	1	251	135.1	110	1	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	11	117361	Female	4	Mohawk River	16	1	251			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	41	117390	Female	4	Mohawk River	16	1	251			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	63	117633	Female	4	Mohawk River	16	1	251			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	85	117655	Male	4	Mohawk River	20	1	251			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	107	117677	Male	4	Mohawk River	20	1	251			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	109	117679	Undetermined	4	Mohawk River	24	1	251			4	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	132	117702	Male	4	Mohawk River	20	1	251			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	9	117781	Male	4	Mohawk River	20	1	251			2	1	6/5/2000	6/5/2000	120	6	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	21	117793	Female	4	Mohawk River	16	1	251			1	1	6/5/2000	6/5/2000	120	6	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	3	118007	Female	4	Mohawk River	16	1	251			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	9	118013	Male	4	Mohawk River	20	1	251			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	34	118038	Male	4	Mohawk River	20	1	251			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	38	118148	Male	4	Mohawk River	20	1	251			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	45	118155	Male	4	Mohawk River	20	1	251			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	65	118175	Male	4	Mohawk River	20	1	251			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	103	118213	Male	4	Mohawk River	20	1	251			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	93	118307	Female	4	Mohawk River	16	1	251			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	120	118334	Female	4	Mohawk River	16	1	251			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	146	118360	Female	4	Mohawk River	16	1	251			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	27	118391	Male	4	Mohawk River	20	1	251			2	1	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	3	118453	Female	4	Mohawk River	16	1	251			1	1	6/6/2000	6/6/2000	180	6	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	6	117804	Female	4	Mohawk River	16	1	251			1	1	6/13/2000	6/13/2000	220	11	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	9	117807	Male	4	Mohawk River	20	1	251			2	1	6/13/2000	6/13/2000	220	11	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	18	117816	Female	4	Mohawk River	16	1	251			1	1	6/13/2000	6/13/2000	220	11	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	2	117826	Male	4	Mohawk River	20	1	251			2	1	6/13/2000	6/13/2000	175	8.75	Hours	Angling	44	Schoharie Region		53	3	9
Blueback Herring	4	117828	Female	4	Mohawk River	16	1	251			1	1	6/13/2000	6/13/2000	175	8.75	Hours	Angling	44	Schoharie Region		53	3	9
Blueback Herring	6		Female	4	Mohawk River	16	1	251	128.4	112.9	1	3	6/13/2000	6/13/2000	155	2.583333333	Hours	Angling	44	Schoharie Region		53	3	9
Blueback Herring	4	117863	Male	4	Mohawk River	20	1	251			2	1	6/21/2000	6/21/2000	310	10.33333333	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	11	117870	Female	4	Mohawk River	16	1	251			1	1	6/21/2000	6/21/2000	310	10.33333333	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	52		Male	4	Mohawk River	20	1	251			2	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	68		Male	4	Mohawk River	20	1	251			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	20		Female	4	Mohawk River	16	1	251			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	36		Male	4	Mohawk River	20	1	251			2	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	68		Male	4	Mohawk River	20	1	251			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	85		Male	4	Mohawk River	20	1	251			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	17		Male	4	Mohawk River	20	1	251			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	84		Male	4	Mohawk River	20	1	251			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	119		Male	4	Mohawk River	20	1	251			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	129		Undetermined	4	Mohawk River	24	1	251			4	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	253		Female	4	Mohawk River	16	1	251			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	328		Male	4	Mohawk River	20	1	251			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	53	121317	Male	4	Mohawk River	20	1	251			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	96		Undetermined	4	Mohawk River	24	1	251			4	6	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	8	121527	Male	4	Mohawk River	20	1	251			2	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	18		Female	4	Mohawk River	16	1	251			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	19		Male	4	Mohawk River	20	1	251			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	150		Female	4	Mohawk River	16	1	251			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	46		Female	4	Mohawk River	16	1	251	146.1	124	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	56		Female	4	Mohawk River	16	1	251	133.5	113.4	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	65		Female	4	Mohawk River	16	1	251	146	125.4	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	48		Female	4	Mohawk River	16	1	251			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	67		Female	4	Mohawk River	16	1	251			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	201		Male	4	Mohawk River	20	1	251			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	203		Female	4	Mohawk River	16	1	251			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	16		Female	4	Mohawk River	16	1	251			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	109		Female	4	Mohawk River	16	1	251			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	115		Female	4	Mohawk River	16	1	251			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	149		Female	4	Mohawk River	16	1	251			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	38		Male	4	Mohawk River	20	1	251			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	42		Female	4	Mohawk River	16	1	251			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	88		Female	4	Mohawk River	16	1	251	136.2	122.5	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	95		Female	4	Mohawk River	16	1	251	143.6	121	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	96		Female	4	Mohawk River	16	1	251	130.5	122.6	3	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	78		Male	4	Mohawk River	20	1	251			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	25		Male	4	Mohawk River	20	1	251			3	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	84		Female	4	Mohawk River	16	1	251	141.4	109.7	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	66		Undetermined	4	Mohawk River	24	1	251			4	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	80		Male	4	Mohawk River	20	1	251			3	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	61		Male	4	Mohawk River	20	1	251			2	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	106		Female	4	Mohawk River	16	1	251			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	134		Female	4	Mohawk River	16	1	251			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	138		Female	4	Mohawk River	16	1	251			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	5		Male	4	Mohawk River	20	1	251			3	6	6/6/2001	6/6/2001	60	3	Hours	Angling	43	Amsterdam Region		34	3	9
Blueback Herring	14		Female	4	Mohawk River	16	1	251	120.2	106.6	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	17		Female	4	Mohawk River	16	1	251	122.1	108	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	51		Female	4	Mohawk River	16	1	251			1	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	60		Female	4	Mohawk River	16	1	251			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	12	120638	Male	4	Mohawk River	20	1	251			2	1	5/29/2001	5/29/2001	14	0.233333333	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	8	100373	Male	4	Mohawk River	20	1	252			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	85	100451	Male	4	Mohawk River	20	1	252			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	9	100475	Female	4	Mohawk River	16	1	252			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	43	100509	Female	4	Mohawk River	16	1	252			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	50	100606	Female	4	Mohawk River	16	1	252			1	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	3	100648	Female	4	Mohawk River	16	1	252			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	104	100742	Undetermined	4	Mohawk River	24	1	252			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	159	100795	Female	4	Mohawk River	16	1	252			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	128	100992	Male	4	Mohawk River	20	1	252			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	218	109072	Female	4	Mohawk River	16	1	252			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	13	101055	Male	4	Mohawk River	20	1	252			2	1	5/11/1999	5/11/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	6	101074	Male	4	Mohawk River	20	1	252			2	1	5/12/1999	5/12/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	39	101132	Male	4	Mohawk River	20	1	252			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	69	101162	Female	4	Mohawk River	16	1	252			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	103	101196	Male	4	Mohawk River	20	1	252			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	6	101216	Female	4	Mohawk River	16	1	252			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	21	101231	Male	4	Mohawk River	20	1	252			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	27	101237	Male	4	Mohawk River	20	1	252			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	39	101249	Male	4	Mohawk River	20	1	252			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	64	101274	Female	4	Mohawk River	16	1	252			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	67	101277	Male	4	Mohawk River	20	1	252			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	70	101280	Male	4	Mohawk River	20	1	252			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	79	101289	Female	4	Mohawk River	16	1	252			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	126	101336	Male	4	Mohawk River	20	1	252			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	131	101341	Male	4	Mohawk River	20	1	252			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	147	101357	Male	4	Mohawk River	20	1	252			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	166	101376	Male	4	Mohawk River	20	1	252			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	214	101424	Female	4	Mohawk River	16	1	252			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	237	101447	Male	4	Mohawk River	20	1	252			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	241	101451	Female	4	Mohawk River	16	1	252			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	9	101476	Male	4	Mohawk River	20	1	252			2	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	22	101489	Female	4	Mohawk River	16	1	252			1	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	29	101496	Male	4	Mohawk River	20	1	252			2	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	5	104005	Female	4	Mohawk River	16	1	252			1	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	1	104042	Female	4	Mohawk River	16	1	252			1	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	31	104163	Male	4	Mohawk River	20	1	252			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	159	104362	Male	4	Mohawk River	20	1	252			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	224	104427	Male	4	Mohawk River	20	1	252			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	251	104454	Male	4	Mohawk River	20	1	252			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	311	104514	Female	4	Mohawk River	16	1	252			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	370	104573	Male	4	Mohawk River	20	1	252			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	389	104592	Male	4	Mohawk River	20	1	252			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	401	104604	Male	4	Mohawk River	20	1	252			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	9		Male	4	Mohawk River	20	1	252	123.1	110.3	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	23	104636	Male	4	Mohawk River	20	1	252			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	32	104645	Male	4	Mohawk River	20	1	252			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	35	104648	Male	4	Mohawk River	20	1	252			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	95	104708	Female	4	Mohawk River	16	1	252			1	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	3	104779	Male	4	Mohawk River	20	1	252			2	1	5/26/1999	5/26/1999	100	1.666666667	Hours	Angling	43	Amsterdam Region	2	34	3	
Blueback Herring	56	104884	Male	4	Mohawk River	20	1	252			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	99	104930	Female	4	Mohawk River	16	1	252			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	37	104968	Male	4	Mohawk River	20	1	252			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	224	106156	Female	4	Mohawk River	16	1	252			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	286	106218	Female	4	Mohawk River	16	1	252			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	376	106308	Female	4	Mohawk River	16	1	252			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	408	106341	Female	4	Mohawk River	16	1	252			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	1	106442	Female	4	Mohawk River	16	1	252			1	1	6/3/1999	6/3/1999	60	1	Hours	Angling	43	Amsterdam Region	3	38	3	7
Blueback Herring	23	106478	Female	4	Mohawk River	16	1	252			1	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	13	106602	Male	4	Mohawk River	20	1	252			2	1	6/9/1999	6/9/1999	63	1.05	Hours	Angling	44	Schoharie Region	2	52	3	1
Blueback Herring	9	106616	Undetermined	4	Mohawk River	24	1	252			4	1	6/10/1999	6/10/1999	75	1.25	Hours	Angling	43	Amsterdam Region	3	28	3	7
Blueback Herring	6		Male	4	Mohawk River	20	1	252			2	6	6/17/1999	6/17/1999	90	1.5	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	18	105189	Male	4	Mohawk River	20	1	252			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	64	105235	Female	4	Mohawk River	16	1	252			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	65	105236	Male	4	Mohawk River	20	1	252			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	87	105258	Male	4	Mohawk River	20	1	252			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	88	105259	Male	4	Mohawk River	20	1	252			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	102	105273	Male	4	Mohawk River	20	1	252			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	188	105359	Male	4	Mohawk River	20	1	252			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	198	105369	Female	4	Mohawk River	16	1	252			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	203	105374	Male	4	Mohawk River	20	1	252			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	267	105438	Female	4	Mohawk River	16	1	252			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	55	105529	Female	4	Mohawk River	16	1	252			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	105	105579	Male	4	Mohawk River	20	1	252			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	9	105696	Female	4	Mohawk River	16	1	252			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	24	105711	Female	4	Mohawk River	16	1	252			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	63	105749	Female	4	Mohawk River	16	1	252			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	86	105772	Male	4	Mohawk River	20	1	252			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	137	105823	Male	4	Mohawk River	20	1	252			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	138	105824	Male	4	Mohawk River	20	1	252			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	141	105827	Female	4	Mohawk River	16	1	252			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	171	105858	Male	4	Mohawk River	20	1	252			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	16	105985	Undetermined	4	Mohawk River	24	1	252			4	1	5/28/1999	5/28/1999	30	0.5	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	122	107244	Female	4	Mohawk River	16	1	252			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	260	107630	Female	4	Mohawk River	16	1	252			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	312	107682	Male	4	Mohawk River	20	1	252			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	102	107251	Female	4	Mohawk River	16	1	252			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	132	107280	Male	4	Mohawk River	20	1	252			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	133	107282	Female	4	Mohawk River	16	1	252			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	170	107319	Female	4	Mohawk River	16	1	252			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	172	107321	Male	4	Mohawk River	20	1	252			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	312	107461	Male	4	Mohawk River	20	1	252			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	362	107709	Female	4	Mohawk River	16	1	252			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	157	107883	Male	4	Mohawk River	20	1	252			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	333	110404	Male	4	Mohawk River	20	1	252			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	400	110471	Female	4	Mohawk River	16	1	252			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	8	110008	Female	4	Mohawk River	16	1	252			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	105	110105	Female	4	Mohawk River	16	1	252			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	121	110121	Female	4	Mohawk River	16	1	252			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	181	110181	Male	4	Mohawk River	20	1	252			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	191	110191	Undetermined	4	Mohawk River	24	1	252			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	215	110215	Female	4	Mohawk River	16	1	252			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	230	110230	Male	4	Mohawk River	20	1	252			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	262	110262	Undetermined	4	Mohawk River	24	1	252			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	263	110263	Undetermined	4	Mohawk River	24	1	252			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	299	110299	Female	4	Mohawk River	16	1	252			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	14	110323	Female	4	Mohawk River	16	1	252			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	35	110344	Male	4	Mohawk River	20	1	252			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	103	110810	Male	4	Mohawk River	20	1	252			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	153	110859	Female	4	Mohawk River	16	1	252			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	174	110879	Male	4	Mohawk River	20	1	252			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	1	110940	Female	4	Mohawk River	16	1	252			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	11	110948	Undetermined	4	Mohawk River	24	1	252			4	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	50	111046	Female	4	Mohawk River	16	1	252			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	165	111154	Female	4	Mohawk River	16	1	252			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	40	108047	Male	4	Mohawk River	20	1	252			2	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	26	108073	Male	4	Mohawk River	20	1	252			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	34	108079	Male	4	Mohawk River	20	1	252			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	44	110707	Female	4	Mohawk River	16	1	252			1	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	32	111358	Undetermined	4	Mohawk River	24	1	252			4	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	72	111429	Male	4	Mohawk River	20	1	252			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	13		Male	4	Mohawk River	20	1	252	113	105.4	2	3	6/17/1999	6/17/1999	60	1	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	7		Male	4	Mohawk River	20	1	252	98.9	91.6	2	3	6/23/1999	6/23/1999	20	0.333333333	Hours	Angling	45	Little Falls River	5	70	3	
Blueback Herring	39		Male	4	Mohawk River	20	1	252	133.9	127.5	2	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	1	115351	Male	4	Mohawk River	20	1	252			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	55	115405	Male	4	Mohawk River	20	1	252			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	56	115406	Male	4	Mohawk River	20	1	252			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	68	115418	Female	4	Mohawk River	16	1	252			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	69	115419	Male	4	Mohawk River	20	1	252			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	104	115454	Female	4	Mohawk River	16	1	252			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	115	115465	Male	4	Mohawk River	20	1	252			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	133	115483	Male	4	Mohawk River	20	1	252			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	141	115491	Female	4	Mohawk River	16	1	252			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	62	116099	Male	4	Mohawk River	20	1	252			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	112	116149	Female	4	Mohawk River	16	1	252			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	142	116179	Male	4	Mohawk River	20	1	252			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	155	116192	Undetermined	4	Mohawk River	24	1	252			4	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	156	116193	Female	4	Mohawk River	16	1	252			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	213	116250	Female	4	Mohawk River	16	1	252			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	214	116251	Male	4	Mohawk River	20	1	252			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	233	116270	Male	4	Mohawk River	20	1	252			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	11	116411	Male	4	Mohawk River	20	1	252			2	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	21	116421	Female	4	Mohawk River	16	1	252			1	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	29	116429	Male	4	Mohawk River	20	1	252			2	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	4		Female	4	Mohawk River	16	1	252	142.7	124.9	1	3	5/16/2000	5/16/2000	20	0.333333333	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	1	2
Blueback Herring	4		Female	4	Mohawk River	16	1	252	132.2	109.4	1	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	21		Female	4	Mohawk River	16	1	252	118.5	107.2	3	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	3	117353	Female	4	Mohawk River	16	1	252			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	18	117368	Female	4	Mohawk River	16	1	252			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	22	117372	Male	4	Mohawk River	20	1	252			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	83	117653	Female	4	Mohawk River	16	1	252			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	122	117692	Female	4	Mohawk River	16	1	252			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	12		Undetermined	4	Mohawk River	24	1	252			4	9	6/1/2000	6/1/2000	70	1.166666667	Hours	Scap net/Lift net	41	Waterford Region		2	3	6
Blueback Herring	10	117782	Male	4	Mohawk River	20	1	252			2	1	6/5/2000	6/5/2000	120	6	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	20	117792	Female	4	Mohawk River	16	1	252			1	1	6/5/2000	6/5/2000	120	6	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	24	117796	Male	4	Mohawk River	20	1	252			2	1	6/5/2000	6/5/2000	120	6	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	30		Male	4	Mohawk River	20	1	252	130.2	113.5	2	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	21	118025	Female	4	Mohawk River	16	1	252			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	28	118032	Female	4	Mohawk River	16	1	252			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	48	118052	Male	4	Mohawk River	20	1	252			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	65	118069	Male	4	Mohawk River	20	1	252			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	67	118071	Male	4	Mohawk River	20	1	252			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	104	118108	Male	4	Mohawk River	20	1	252			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	13	118123	Male	4	Mohawk River	20	1	252			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	42	118152	Female	4	Mohawk River	16	1	252			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	84	118194	Male	4	Mohawk River	20	1	252			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	16	118230	Male	4	Mohawk River	20	1	252			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	39	118253	Female	4	Mohawk River	16	1	252			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	45	118259	Undetermined	4	Mohawk River	24	1	252			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	80	118294	Female	4	Mohawk River	16	1	252			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	95	118309	Female	4	Mohawk River	16	1	252			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	105	118319	Female	4	Mohawk River	16	1	252			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	119	118333	Male	4	Mohawk River	20	1	252			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	123	118337	Female	4	Mohawk River	16	1	252			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	145	118359	Male	4	Mohawk River	20	1	252			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	6	118370	Female	4	Mohawk River	16	1	252			1	1	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	8	118372	Female	4	Mohawk River	16	1	252			1	1	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	7	118401	Undetermined	4	Mohawk River	24	1	252			4	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	9	118403	Male	4	Mohawk River	20	1	252			2	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	16	118410	Female	4	Mohawk River	16	1	252			1	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	7	118433	Female	4	Mohawk River	16	1	252			1	1	6/5/2000	6/5/2000	190	9.5	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	25		Female	4	Mohawk River	16	1	252	132.6	109.6	1	3	6/5/2000	6/5/2000	190	9.5	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	29		Female	4	Mohawk River	16	1	252	143.4	119.2	1	3	6/5/2000	6/5/2000	190	9.5	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	15	117813	Female	4	Mohawk River	16	1	252			1	1	6/13/2000	6/13/2000	220	11	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	26	117824	Female	4	Mohawk River	16	1	252			1	1	6/13/2000	6/13/2000	220	11	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	12	117871	Female	4	Mohawk River	16	1	252			1	1	6/21/2000	6/21/2000	310	10.33333333	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	4		Female	4	Mohawk River	16	1	252	121.2	106.7	1	3	6/22/2000	6/22/2000	240	8	Hours	Angling	43	Amsterdam Region		39	3	9
Blueback Herring	21		Male	4	Mohawk River	20	1	252			2	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	41		Female	4	Mohawk River	16	1	252			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	73		Female	4	Mohawk River	16	1	252			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	58		Male	4	Mohawk River	20	1	252			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	65		Male	4	Mohawk River	20	1	252			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	105		Male	4	Mohawk River	20	1	252			2	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	144		Male	4	Mohawk River	20	1	252			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	162		Male	4	Mohawk River	20	1	252			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	183		Male	4	Mohawk River	20	1	252			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	212		Male	4	Mohawk River	20	1	252			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	216		Male	4	Mohawk River	20	1	252			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	225		Male	4	Mohawk River	20	1	252			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	250		Undetermined	4	Mohawk River	24	1	252			4	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	299		Male	4	Mohawk River	20	1	252			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	310		Male	4	Mohawk River	20	1	252			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	321		Male	4	Mohawk River	20	1	252			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	9	121277	Male	4	Mohawk River	20	1	252			4	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	15	121534	Female	4	Mohawk River	16	1	252			1	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	136		Male	4	Mohawk River	20	1	252			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	10		Male	4	Mohawk River	20	1	252			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	21		Male	4	Mohawk River	20	1	252			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	33		Male	4	Mohawk River	20	1	252			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	88		Female	4	Mohawk River	16	1	252			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	153		Female	4	Mohawk River	16	1	252			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	167		Female	4	Mohawk River	16	1	252			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	171		Male	4	Mohawk River	20	1	252			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	137		Female	4	Mohawk River	16	1	252			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	23		Undetermined	4	Mohawk River	24	1	252			4	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	36		Male	4	Mohawk River	20	1	252			2	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	69		Male	4	Mohawk River	20	1	252			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	80		Male	4	Mohawk River	20	1	252			2	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	1		Male	4	Mohawk River	20	1	252	123.7	111.3	2	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	18		Female	4	Mohawk River	16	1	252	134.7	112.1	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	29		Female	4	Mohawk River	16	1	252	138	115.7	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	70		Female	4	Mohawk River	16	1	252	132.8	120.9	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	3		Female	4	Mohawk River	16	1	252			3	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	14		Female	4	Mohawk River	16	1	252			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	37		Male	4	Mohawk River	20	1	252			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	51		Male	4	Mohawk River	20	1	252			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	23		Male	4	Mohawk River	20	1	252	122.6	112.6	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	34		Male	4	Mohawk River	20	1	252	127.6	114.4	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	81		Female	4	Mohawk River	16	1	252			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	85		Undetermined	4	Mohawk River	24	1	252			4	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	29		Female	4	Mohawk River	16	1	252			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	89		Male	4	Mohawk River	20	1	252			2	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	98		Male	4	Mohawk River	20	1	252			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	112		Male	4	Mohawk River	20	1	252			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	139		Male	4	Mohawk River	20	1	252			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	143		Female	4	Mohawk River	16	1	252			2	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	9		Male	4	Mohawk River	20	1	252	114.2	108	3	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	29		Female	4	Mohawk River	16	1	252	134.7	111.2	2	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	29		Male	4	Mohawk River	20	1	252			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	71		Male	4	Mohawk River	20	1	252			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	72		Female	4	Mohawk River	16	1	252			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	75		Male	4	Mohawk River	20	1	252			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	5	120611	Female	4	Mohawk River	16	1	252			1	1	5/29/2001	5/29/2001	10	0.166666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	9	120615	Male	4	Mohawk River	20	1	252			2	1	5/29/2001	5/29/2001	10	0.166666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	1	100366	Female	4	Mohawk River	16	1	253			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	101		Female	4	Mohawk River	16	1	253	141.9	119.8	1	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	7	100563	Female	4	Mohawk River	16	1	253			3	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	129	100766	Undetermined	4	Mohawk River	24	1	253			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	134	100995	Female	4	Mohawk River	16	1	253			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	157	109015	Male	4	Mohawk River	20	1	253			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	182	109039	Female	4	Mohawk River	16	1	253			3	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	5	109117	Female	4	Mohawk River	16	1	253			1	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	12	101105	Male	4	Mohawk River	20	1	253			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	15	101108	Female	4	Mohawk River	16	1	253			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	7	101217	Female	4	Mohawk River	16	1	253			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	236	101446	Female	4	Mohawk River	16	1	253			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	21	101488	Male	4	Mohawk River	20	1	253			2	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	39		Female	4	Mohawk River	16	1	253	139.7	120.5	1	3	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	42		Male	4	Mohawk River	20	1	253	112.9	100.7	2	3	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	37	104169	Female	4	Mohawk River	16	1	253			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	62	104194	Male	4	Mohawk River	20	1	253			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	40	104243	Male	4	Mohawk River	20	1	253			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	161	104364	Male	4	Mohawk River	20	1	253			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	176	104379	Female	4	Mohawk River	16	1	253			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	177	104380	Male	4	Mohawk River	20	1	253			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	196	104399	Male	4	Mohawk River	20	1	253			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	265	104468	Female	4	Mohawk River	16	1	253			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	268	104471	Female	4	Mohawk River	16	1	253			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	347	104550	Male	4	Mohawk River	20	1	253			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	358	104561	Female	4	Mohawk River	16	1	253			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	402	104605	Male	4	Mohawk River	20	1	253			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	17		Male	4	Mohawk River	20	1	253	133.7	119.5	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	49	104662	Male	4	Mohawk River	20	1	253			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	18	104753	Male	4	Mohawk River	20	1	253			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	3	104831	Female	4	Mohawk River	16	1	253			1	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	119	106001	Male	4	Mohawk River	20	1	253			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	240	106172	Male	4	Mohawk River	20	1	253			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	489	106422	Female	4	Mohawk River	16	1	253			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	40	106536	Female	4	Mohawk River	16	1	253			3	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	3		Male	4	Mohawk River	20	1	253	107	102.6	3	3	6/15/1999	6/15/1999				Angling	43	Amsterdam Region	2	28	3	
Blueback Herring	19		Male	4	Mohawk River	20	1	253	111.6	106.1	3	3	6/16/1999	6/16/1999	60	1	Hours	Angling	44	Schoharie Region	3	44	3	
Blueback Herring	12	105183	Female	4	Mohawk River	16	1	253			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	74	105245	Male	4	Mohawk River	20	1	253			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	119	105290	Male	4	Mohawk River	20	1	253			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	153	105324	Male	4	Mohawk River	20	1	253			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	218	105389	Male	4	Mohawk River	20	1	253			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	255	105426	Female	4	Mohawk River	16	1	253			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	296	105467	Undetermined	4	Mohawk River	24	1	253			4	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	99	105573	Female	4	Mohawk River	16	1	253			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	164	105637	Male	4	Mohawk River	20	1	253			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	73	105759	Female	4	Mohawk River	16	1	253			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	77	105763	Male	4	Mohawk River	20	1	253			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	91	105777	Male	4	Mohawk River	20	1	253			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	90	107212	Female	4	Mohawk River	16	1	253			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	104	107226	Female	4	Mohawk River	16	1	253			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	134	107506	Undetermined	4	Mohawk River	24	1	253			4	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	108	107257	Male	4	Mohawk River	20	1	253			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	239	107388	Female	4	Mohawk River	16	1	253			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	419	107766	Male	4	Mohawk River	20	1	253			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	294	110366	Female	4	Mohawk River	16	1	253			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	328		Male	4	Mohawk River	20	1	253			2	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	118	110118	Female	4	Mohawk River	16	1	253			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	246	110246	Male	4	Mohawk River	20	1	253			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	23	110332	Female	4	Mohawk River	16	1	253			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	69	110555	Female	4	Mohawk River	16	1	253			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	99	111091	Female	4	Mohawk River	16	1	253			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	128	111119	Undetermined	4	Mohawk River	24	1	253			3	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	133	111124	Female	4	Mohawk River	16	1	253			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	213		Undetermined	4	Mohawk River	24	1	253			4	6	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	223	111210	Female	4	Mohawk River	16	1	253			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	8	108018	Undetermined	4	Mohawk River	24	1	253			4	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	68	110659	Male	4	Mohawk River	20	1	253			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	22	110742	Male	4	Mohawk River	20	1	253			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	5		Male	4	Mohawk River	20	1	253			2	6	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	2		Female	4	Mohawk River	16	1	253	115.6	112.5	3	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	4		Male	4	Mohawk River	20	1	253	125.4	116.4	2	3	6/21/1999	6/21/1999	60	1	Hours	Angling	44	Schoharie Region	5	60	3	
Blueback Herring	7		Male	4	Mohawk River	20	1	253	98.5	92.7	2	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	3		Male	4	Mohawk River	20	1	253	106.2	102.3	3	3	6/30/1999	6/30/1999	110	1.833333333	Hours	Angling	44	Schoharie Region	5	64	3	9
Blueback Herring	8		Female	4	Mohawk River	16	1	253	117.8	107	1	3	6/30/1999	6/30/1999	110	1.833333333	Hours	Angling	44	Schoharie Region	5	64	3	9
Blueback Herring	2	115352	Male	4	Mohawk River	20	1	253			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	22	115372	Male	4	Mohawk River	20	1	253			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	64	115414	Male	4	Mohawk River	20	1	253			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	81	115431	Male	4	Mohawk River	20	1	253			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	82	115432	Female	4	Mohawk River	16	1	253			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	83	115433	Female	4	Mohawk River	16	1	253			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	85	115435	Male	4	Mohawk River	20	1	253			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	88	115438	Male	4	Mohawk River	20	1	253			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	126	115476	Male	4	Mohawk River	20	1	253			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	8	116045	Female	4	Mohawk River	16	1	253			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	22	116059	Male	4	Mohawk River	20	1	253			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	73	116110	Undetermined	4	Mohawk River	24	1	253			4	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	83	116120	Female	4	Mohawk River	16	1	253			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	120	116157	Male	4	Mohawk River	20	1	253			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	133	116170	Male	4	Mohawk River	20	1	253			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	197	116234	Female	4	Mohawk River	16	1	253			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	243	116280	Male	4	Mohawk River	20	1	253			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	249	116286	Female	4	Mohawk River	16	1	253			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	254	116291	Male	4	Mohawk River	20	1	253			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	8	116408	Female	4	Mohawk River	16	1	253			1	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	8		Female	4	Mohawk River	16	1	253	164.7	131.6	1	3	5/16/2000	5/16/2000	20	0.333333333	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	1	2
Blueback Herring	11		Female	4	Mohawk River	16	1	253	150.4	119.2	1	3	5/16/2000	5/16/2000	20	0.333333333	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	1	2
Blueback Herring	50	117399	Female	4	Mohawk River	16	1	253			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	60	117630	Female	4	Mohawk River	16	1	253			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	10		Female	4	Mohawk River	16	1	253			2	9	6/1/2000	6/1/2000	70	1.166666667	Hours	Scap net/Lift net	41	Waterford Region		2	3	6
Blueback Herring	22	117794	Female	4	Mohawk River	16	1	253			1	1	6/5/2000	6/5/2000	120	6	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	10	118014	Male	4	Mohawk River	20	1	253			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	7	118117	Female	4	Mohawk River	16	1	253			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	64	118174	Male	4	Mohawk River	20	1	253			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	84	118298	Male	4	Mohawk River	20	1	253			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	132	118346	Undetermined	4	Mohawk River	24	1	253			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	138	118352	Male	4	Mohawk River	20	1	253			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	37		Female	4	Mohawk River	16	1	253	130.2	109.3	1	3	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	40		Female	4	Mohawk River	16	1	253	124.4	116.4	1	3	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	22	118448	Undetermined	4	Mohawk River	24	1	253			4	1	6/5/2000	6/5/2000	190	9.5	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	27		Male	4	Mohawk River	20	1	253	122	113.2	2	3	6/5/2000	6/5/2000	190	9.5	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	16	117814	Male	4	Mohawk River	20	1	253			2	1	6/13/2000	6/13/2000	220	11	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	1	117839	Female	4	Mohawk River	16	1	253			1	1	6/20/2000	6/20/2000	130	4.333333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	10	117858	Female	4	Mohawk River	16	1	253			1	1	6/20/2000	6/20/2000	135	4.5	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	23		Male	4	Mohawk River	20	1	253			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	33		Male	4	Mohawk River	20	1	253			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	42		Male	4	Mohawk River	20	1	253			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	3		Male	4	Mohawk River	20	1	253			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	24		Female	4	Mohawk River	16	1	253			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	6		Female	4	Mohawk River	16	1	253			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	37		Female	4	Mohawk River	16	1	253			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	59		Female	4	Mohawk River	16	1	253			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	102		Female	4	Mohawk River	16	1	253			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	106		Male	4	Mohawk River	20	1	253			2	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	117		Male	4	Mohawk River	20	1	253			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	133		Male	4	Mohawk River	20	1	253			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	153		Male	4	Mohawk River	20	1	253			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	185		Male	4	Mohawk River	20	1	253			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	186		Male	4	Mohawk River	20	1	253			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	189		Female	4	Mohawk River	16	1	253			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	192		Male	4	Mohawk River	20	1	253			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	197		Male	4	Mohawk River	20	1	253			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	243		Male	4	Mohawk River	20	1	253			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	260		Male	4	Mohawk River	20	1	253			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	346		Male	4	Mohawk River	20	1	253			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	5	121273	Male	4	Mohawk River	20	1	253			2	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	56	121320	Undetermined	4	Mohawk River	24	1	253			4	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	59	121323	Female	4	Mohawk River	16	1	253			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	4		Male	4	Mohawk River	20	1	253			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	61		Male	4	Mohawk River	20	1	253			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	62		Female	4	Mohawk River	16	1	253			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	20		Female	4	Mohawk River	16	1	253	132	118.8	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	45		Male	4	Mohawk River	20	1	253	132.1	118.3	2	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	11		Female	4	Mohawk River	16	1	253			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	41		Male	4	Mohawk River	20	1	253			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	46		Male	4	Mohawk River	20	1	253			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	77		Female	4	Mohawk River	16	1	253			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	85		Female	4	Mohawk River	16	1	253			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	97		Male	4	Mohawk River	20	1	253			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	157		Female	4	Mohawk River	16	1	253			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	169		Female	4	Mohawk River	16	1	253			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	186		Female	4	Mohawk River	16	1	253			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	21		Female	4	Mohawk River	16	1	253			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	26		Male	4	Mohawk River	20	1	253			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	124		Male	4	Mohawk River	20	1	253			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	28		Female	4	Mohawk River	16	1	253			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	46		Female	4	Mohawk River	16	1	253			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	77		Male	4	Mohawk River	20	1	253			2	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	83		Male	4	Mohawk River	20	1	253			2	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	3		Female	4	Mohawk River	16	1	253	131.3	118.8	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	14		Female	4	Mohawk River	16	1	253	134.7	116.7	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	26		Male	4	Mohawk River	20	1	253	148.3	133.2	2	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	59		Female	4	Mohawk River	16	1	253	132.4	114.9	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	61		Female	4	Mohawk River	16	1	253	122.3	110.9	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	80		Male	4	Mohawk River	20	1	253	139.8	125.6	2	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	106		Female	4	Mohawk River	16	1	253	112.1	106.8	3	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	29		Male	4	Mohawk River	20	1	253			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	39		Male	4	Mohawk River	20	1	253			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	50		Female	4	Mohawk River	16	1	253			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	70		Male	4	Mohawk River	20	1	253			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	82		Male	4	Mohawk River	20	1	253			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	83		Male	4	Mohawk River	20	1	253			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	89		Female	4	Mohawk River	16	1	253			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	2		Female	4	Mohawk River	16	1	253	149.6	123.5	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	5		Male	4	Mohawk River	20	1	253	115.4	108	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	33		Male	4	Mohawk River	20	1	253	113.4	111	3	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	41		Male	4	Mohawk River	20	1	253	129.7	114.9	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	44		Male	4	Mohawk River	20	1	253	136	125.6	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	11		Female	4	Mohawk River	16	1	253			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	15		Male	4	Mohawk River	20	1	253			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	22		Male	4	Mohawk River	20	1	253			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	43		Male	4	Mohawk River	20	1	253			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	67		Female	4	Mohawk River	16	1	253			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	71		Female	4	Mohawk River	16	1	253			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	78		Female	4	Mohawk River	16	1	253			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	115		Female	4	Mohawk River	16	1	253			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	124		Female	4	Mohawk River	16	1	253			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	126		Female	4	Mohawk River	16	1	253			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	144		Female	4	Mohawk River	16	1	253			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	53		Male	4	Mohawk River	20	1	253	109.2	104.4	3	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	56		Female	4	Mohawk River	16	1	253	118.6	104.6	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	16		Male	4	Mohawk River	20	1	253			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	34		Male	4	Mohawk River	20	1	253			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	2	120608	Male	4	Mohawk River	20	1	253			2	1	5/29/2001	5/29/2001	10	0.166666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	7	120613	Female	4	Mohawk River	16	1	253			1	1	5/29/2001	5/29/2001	10	0.166666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	8	120614	Female	4	Mohawk River	16	1	253			1	1	5/29/2001	5/29/2001	10	0.166666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	13	120619	Female	4	Mohawk River	16	1	253			1	1	5/29/2001	5/29/2001	10	0.166666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	30	100396	Female	4	Mohawk River	16	1	254			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	65	100431	Female	4	Mohawk River	16	1	254			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	100	100739	Male	4	Mohawk River	20	1	254			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	128	100765	Male	4	Mohawk River	20	1	254			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	150	100786	Female	4	Mohawk River	16	1	254			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	63	100935	Male	4	Mohawk River	20	1	254			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	131		Female	4	Mohawk River	16	1	254			3	6	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	161	109019	Female	4	Mohawk River	16	1	254			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	229	109083	Undetermined	4	Mohawk River	24	1	254			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	1	101069	Male	4	Mohawk River	20	1	254			2	1	5/12/1999	5/12/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	30	101123	Male	4	Mohawk River	20	1	254			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	75	101168	Female	4	Mohawk River	16	1	254			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	12	101222	Male	4	Mohawk River	20	1	254			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	47	101257	Male	4	Mohawk River	20	1	254			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	72	101282	Male	4	Mohawk River	20	1	254			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	76	101286	Female	4	Mohawk River	16	1	254			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	108	101318	Male	4	Mohawk River	20	1	254			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	132	101342	Female	4	Mohawk River	16	1	254			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	224	101434	Male	4	Mohawk River	20	1	254			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	7	101474	Male	4	Mohawk River	20	1	254			2	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	25	101492	Male	4	Mohawk River	20	1	254			2	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	41		Male	4	Mohawk River	20	1	254	129.2	118.8	2	3	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	56		Female	4	Mohawk River	16	1	254	129.6	109.2	1	3	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	19	104079	Female	4	Mohawk River	16	1	254			1	1	5/18/1999	5/18/1999	20	0.333333333	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	3	104135	Male	4	Mohawk River	20	1	254			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	5	104208	Male	4	Mohawk River	20	1	254			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	47	104250	Female	4	Mohawk River	16	1	254			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	211	104414	Male	4	Mohawk River	20	1	254			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	295	104498	Female	4	Mohawk River	16	1	254			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	317	104520	Male	4	Mohawk River	20	1	254			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	354	104557	Female	4	Mohawk River	16	1	254			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	361	104564	Female	4	Mohawk River	16	1	254			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	83	104696	Male	4	Mohawk River	20	1	254			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	102	104715	Male	4	Mohawk River	20	1	254			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	89	106031	Female	4	Mohawk River	16	1	254			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	274	106206	Female	4	Mohawk River	16	1	254			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	471	106404	Male	4	Mohawk River	20	1	254			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	498	106431	Female	4	Mohawk River	16	1	254			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	13	106454	Female	4	Mohawk River	16	1	254			2	1	6/3/1999	6/3/1999	60	1	Hours	Angling	43	Amsterdam Region	3	38	3	7
Blueback Herring	51	106547	Female	4	Mohawk River	16	1	254			1	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	20	106585	Male	4	Mohawk River	20	1	254			2	1	6/7/1999	6/7/1999	98	1.633333333	Hours	Angling	42	Schenectady Region	4	23	3	6
Blueback Herring	20		Male	4	Mohawk River	20	1	254	112.6	104.5	2	3	6/16/1999	6/16/1999	210	3.5	Hours	Angling	43	Amsterdam Region	2	35	3	
Blueback Herring	4		Male	4	Mohawk River	20	1	254	118.8	113.2	3	3	6/16/1999	6/16/1999	60	1	Hours	Angling	44	Schoharie Region	3	44	3	
Blueback Herring	9		Male	4	Mohawk River	20	1	254			2	6	6/17/1999	6/17/1999	90	1.5	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	5	105176	Male	4	Mohawk River	20	1	254			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	116	105287	Female	4	Mohawk River	16	1	254			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	122	105293	Male	4	Mohawk River	20	1	254			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	137	105308	Female	4	Mohawk River	16	1	254			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	143	105314	Male	4	Mohawk River	20	1	254			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	155	105326	Male	4	Mohawk River	20	1	254			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	160	105331	Male	4	Mohawk River	20	1	254			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	189	105360	Male	4	Mohawk River	20	1	254			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	291	105462	Male	4	Mohawk River	20	1	254			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	3	105477	Male	4	Mohawk River	20	1	254			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	27	105501	Male	4	Mohawk River	20	1	254			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	109	105583	Male	4	Mohawk River	20	1	254			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	76	105762	Female	4	Mohawk River	16	1	254			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	162	105849	Male	4	Mohawk River	20	1	254			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	166	105853	Male	4	Mohawk River	20	1	254			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	121	107243	Female	4	Mohawk River	16	1	254			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	215	107586	Female	4	Mohawk River	16	1	254			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	32	107031	Male	4	Mohawk River	20	1	254			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	58	107057	Female	4	Mohawk River	16	1	254			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	81	107080	Male	4	Mohawk River	20	1	254			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	193	107342	Female	4	Mohawk River	16	1	254			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	332	107481	Male	4	Mohawk River	20	1	254			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	399	107746	Female	4	Mohawk River	16	1	254			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	337	110408	Male	4	Mohawk River	20	1	254			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	27	110027	Female	4	Mohawk River	16	1	254			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	43	110043	Male	4	Mohawk River	20	1	254			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	15	110324	Female	4	Mohawk River	16	1	254			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	124	110831	Male	4	Mohawk River	20	1	254			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	300	111285	Male	4	Mohawk River	20	1	254			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	1	108001	Female	4	Mohawk River	16	1	254			1	1	6/7/1999	6/7/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	46	110709	Undetermined	4	Mohawk River	24	1	254			4	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	24	111386	Male	4	Mohawk River	20	1	254			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	55	111414	Male	4	Mohawk River	20	1	254			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	4		Undetermined	4	Mohawk River	24	1	254			4	6	6/8/1999	6/8/1999				Angling	41	Waterford Region	2	1	3	9
Blueback Herring	1		Male	4	Mohawk River	20	1	254	104.4	97.6	2	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	18		Male	4	Mohawk River	20	1	254	113.2	105.7	2	3	6/22/1999	6/22/1999	20	0.333333333	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	5	115355	Male	4	Mohawk River	20	1	254			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	57	115407	Undetermined	4	Mohawk River	24	1	254			4	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	117	115467	Male	4	Mohawk River	20	1	254			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	146	115496	Male	4	Mohawk River	20	1	254			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	147	115497	Female	4	Mohawk River	16	1	254			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	5	116042	Female	4	Mohawk River	16	1	254			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	28	116065	Female	4	Mohawk River	16	1	254			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	54	116091	Male	4	Mohawk River	20	1	254			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	69	116106	Female	4	Mohawk River	16	1	254			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	165	116202	Male	4	Mohawk River	20	1	254			4	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	181	116218	Undetermined	4	Mohawk River	24	1	254			4	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	189	116226	Male	4	Mohawk River	20	1	254			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	28		Female	4	Mohawk River	16	1	254	155.9	127.1	1	3	5/11/2000	5/11/2000	15	0.25	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	3	2
Blueback Herring	20	116420	Female	4	Mohawk River	16	1	254			1	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	24	117374	Female	4	Mohawk River	16	1	254			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	103	117673	Male	4	Mohawk River	20	1	254			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	8		Female	4	Mohawk River	16	1	254			2	9	6/1/2000	6/1/2000	70	1.166666667	Hours	Scap net/Lift net	41	Waterford Region		2	3	6
Blueback Herring	8	117780	Female	4	Mohawk River	16	1	254			1	1	6/5/2000	6/5/2000	120	6	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	27		Female	4	Mohawk River	16	1	254	149.2	121.2	1	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	7	118011	Female	4	Mohawk River	16	1	254			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	36	118040	Female	4	Mohawk River	16	1	254			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	4	118114	Female	4	Mohawk River	16	1	254			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	46	118156	Female	4	Mohawk River	16	1	254			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	62	118172	Female	4	Mohawk River	16	1	254			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	68	118178	Female	4	Mohawk River	16	1	254			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	104	118214	Female	4	Mohawk River	16	1	254			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	51	118265	Male	4	Mohawk River	20	1	254			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	104	118318	Female	4	Mohawk River	16	1	254			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	165		Female	4	Mohawk River	16	1	254	137.2	110.8	1	3	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	176		Male	4	Mohawk River	20	1	254	116.7	108.1	2	3	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	31		Female	4	Mohawk River	16	1	254	137.5	115.6	1	3	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	12	118406	Female	4	Mohawk River	16	1	254			1	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	6	118432	Male	4	Mohawk River	20	1	254			2	1	6/5/2000	6/5/2000	190	9.5	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	2	117800	Female	4	Mohawk River	16	1	254			1	1	6/13/2000	6/13/2000	220	11	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	11	117809	Male	4	Mohawk River	20	1	254			2	1	6/13/2000	6/13/2000	220	11	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	7	117855	Female	4	Mohawk River	16	1	254			1	1	6/20/2000	6/20/2000	135	4.5	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	6		Female	4	Mohawk River	16	1	254	131.1	105.7	2	3	6/22/2000	6/22/2000	240	8	Hours	Angling	43	Amsterdam Region		39	3	9
Blueback Herring	7		Undetermined	4	Mohawk River	24	1	254			4	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	22		Female	4	Mohawk River	16	1	254			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	54		Undetermined	4	Mohawk River	24	1	254			4	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	59		Male	4	Mohawk River	20	1	254			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	69		Undetermined	4	Mohawk River	24	1	254			4	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	89		Male	4	Mohawk River	20	1	254			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	34		Male	4	Mohawk River	20	1	254			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	35		Male	4	Mohawk River	20	1	254			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	63		Male	4	Mohawk River	20	1	254			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	89		Female	4	Mohawk River	16	1	254			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	99		Male	4	Mohawk River	20	1	254			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	120		Female	4	Mohawk River	16	1	254			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	154		Undetermined	4	Mohawk River	24	1	254			4	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	167		Female	4	Mohawk River	16	1	254			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	264		Male	4	Mohawk River	20	1	254			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	288		Male	4	Mohawk River	20	1	254			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	94	121357	Undetermined	4	Mohawk River	24	1	254			4	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	102	121364	Male	4	Mohawk River	20	1	254			2	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	1	121520	Male	4	Mohawk River	20	1	254			2	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	28		Female	4	Mohawk River	16	1	254			1	6	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	85		Female	4	Mohawk River	16	1	254			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	14		Female	4	Mohawk River	16	1	254	133.3	117.4	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	22		Female	4	Mohawk River	16	1	254	155.2	127.3	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	47		Male	4	Mohawk River	20	1	254	151.5	133.9	2	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	4		Female	4	Mohawk River	16	1	254			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9

															Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	9		Undetermined	4	Mohawk River	24	1	254			4	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	17		Female	4	Mohawk River	16	1	254			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	27		Female	4	Mohawk River	16	1	254			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	51		Male	4	Mohawk River	20	1	254			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	53		Female	4	Mohawk River	16	1	254			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	58		Male	4	Mohawk River	20	1	254			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	82		Male	4	Mohawk River	20	1	254			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	101		Male	4	Mohawk River	20	1	254			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	210		Female	4	Mohawk River	16	1	254			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	15		Female	4	Mohawk River	16	1	254			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	39		Male	4	Mohawk River	20	1	254			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	81		Undetermined	4	Mohawk River	24	1	254			4	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	8		Female	4	Mohawk River	16	1	254			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	24		Female	4	Mohawk River	16	1	254			2	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	46		Female	4	Mohawk River	16	1	254	144.6	127.1	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	77		Male	4	Mohawk River	20	1	254	127.5	117.9	2	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	84		Female	4	Mohawk River	16	1	254	164.9	131	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	109		Female	4	Mohawk River	16	1	254	152.4	130.7	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	9		Male	4	Mohawk River	20	1	254			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	24		Female	4	Mohawk River	16	1	254			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	51		Female	4	Mohawk River	16	1	254			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	57		Female	4	Mohawk River	16	1	254			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	61		Female	4	Mohawk River	16	1	254			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	69		Female	4	Mohawk River	16	1	254			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	8		Female	4	Mohawk River	16	1	254			1	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	19		Male	4	Mohawk River	20	1	254			2	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	45		Male	4	Mohawk River	20	1	254			3	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	5		Female	4	Mohawk River	16	1	254			3	6	5/31/2001	5/31/2001	75	3.75	Hours	Angling	44	Schoharie Region		63	3	9
Blueback Herring	13		Female	4	Mohawk River	16	1	254	133.7	112.7	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	14		Male	4	Mohawk River	20	1	254	118.1	112.3	3	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	75		Male	4	Mohawk River	20	1	254	137	124.9	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	89		Male	4	Mohawk River	20	1	254	145.9	130	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	49		Female	4	Mohawk River	16	1	254			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	6		Female	4	Mohawk River	16	1	254			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	92		Male	4	Mohawk River	20	1	254			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	105		Male	4	Mohawk River	20	1	254			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	131		Male	4	Mohawk River	20	1	254			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	66		Female	4	Mohawk River	16	1	254	133.9	117.7	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	32		Male	4	Mohawk River	20	1	254			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	9		Female	4	Mohawk River	16	1	254			1	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	63		Male	4	Mohawk River	20	1	254			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	3	120629	Female	4	Mohawk River	16	1	254			1	1	5/29/2001	5/29/2001	14	0.233333333	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	29	100395	Female	4	Mohawk River	16	1	255			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	64	100430	Female	4	Mohawk River	16	1	255			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	26	100492	Male	4	Mohawk River	20	1	255			3	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	46	100512	Male	4	Mohawk River	20	1	255			3	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	94		Female	4	Mohawk River	16	1	255	106.8	104.6	3	3	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	96		Female	4	Mohawk River	16	1	255	101.5	98.2	3	3	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	11	100656	Male	4	Mohawk River	20	1	255			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	97	100736	Male	4	Mohawk River	20	1	255			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	187	109044	Undetermined	4	Mohawk River	24	1	255			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	189	109046	Undetermined	4	Mohawk River	24	1	255			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	252	109106	Undetermined	4	Mohawk River	24	1	255			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	282		Male	4	Mohawk River	20	1	255	119.1	112	2	3	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	7	109133	Male	4	Mohawk River	20	1	255			2	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	12	101038	Male	4	Mohawk River	20	1	255			2	1	5/11/1999	5/11/1999	70	1.166666667	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	2	101044	Male	4	Mohawk River	20	1	255			2	1	5/11/1999	5/11/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	16	101058	Male	4	Mohawk River	20	1	255			2	1	5/11/1999	5/11/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	25	101093	Female	4	Mohawk River	16	1	255			1	1	5/12/1999	5/12/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	29	101122	Female	4	Mohawk River	16	1	255			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	53	101146	Female	4	Mohawk River	16	1	255			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	56	101149	Male	4	Mohawk River	20	1	255			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	60	101153	Female	4	Mohawk River	16	1	255			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	114	101207	Male	4	Mohawk River	20	1	255			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	1	101211	Male	4	Mohawk River	20	1	255			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	101	101311	Male	4	Mohawk River	20	1	255			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	151	101361	Female	4	Mohawk River	16	1	255			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	173	101383	Female	4	Mohawk River	16	1	255			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	183	101393	Female	4	Mohawk River	16	1	255			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	256	101466	Male	4	Mohawk River	20	1	255			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	2	101469	Female	4	Mohawk River	16	1	255			1	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	40		Female	4	Mohawk River	16	1	255	157.8	125.7	1	3	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	36	104036	Female	4	Mohawk River	16	1	255			1	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	39	104039	Female	4	Mohawk River	16	1	255			1	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	26		Male	4	Mohawk River	20	1	255			2	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	47	104179	Female	4	Mohawk River	16	1	255			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	58	104190	Female	4	Mohawk River	16	1	255			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	115	104318	Female	4	Mohawk River	16	1	255			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	199	104402	Male	4	Mohawk River	20	1	255			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	207	104410	Female	4	Mohawk River	16	1	255			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	217	104420	Female	4	Mohawk River	16	1	255			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	240	104443	Female	4	Mohawk River	16	1	255			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	244	104447	Female	4	Mohawk River	16	1	255			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	294	104497	Male	4	Mohawk River	20	1	255			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	307	104510	Female	4	Mohawk River	16	1	255			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	338	104541	Female	4	Mohawk River	16	1	255			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	357	104560	Female	4	Mohawk River	16	1	255			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	52		Male	4	Mohawk River	20	1	255	122.1	114.5	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	28	104641	Female	4	Mohawk River	16	1	255			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	59	104672	Male	4	Mohawk River	20	1	255			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	82	104695	Male	4	Mohawk River	20	1	255			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	118	104731	Female	4	Mohawk River	16	1	255			1	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	119	104732	Male	4	Mohawk River	20	1	255			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	23	104758	Male	4	Mohawk River	20	1	255			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	7	104784	Female	4	Mohawk River	16	1	255			1	1	5/26/1999	5/26/1999	100	1.666666667	Hours	Angling	43	Amsterdam Region	2	34	3	
Blueback Herring	7	104835	Female	4	Mohawk River	16	1	255			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	69	104898	Male	4	Mohawk River	20	1	255			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	78	104907	Male	4	Mohawk River	20	1	255			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	112	106008	Female	4	Mohawk River	16	1	255			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	357	106289	Female	4	Mohawk River	16	1	255			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	4	106459	Male	4	Mohawk River	20	1	255			2	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	39	106535	Male	4	Mohawk River	20	1	255			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	21	106586	Female	4	Mohawk River	16	1	255			1	1	6/7/1999	6/7/1999	98	1.633333333	Hours	Angling	42	Schenectady Region	4	23	3	6
Blueback Herring	26		Female	4	Mohawk River	16	1	255	104.3	95.1	3	3	6/17/1999	6/17/1999	90	1.5	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	76	105247	Female	4	Mohawk River	16	1	255			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	1	105475	Male	4	Mohawk River	20	1	255			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	75	105549	Male	4	Mohawk River	20	1	255			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	90	105564	Female	4	Mohawk River	16	1	255			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	55	105741	Female	4	Mohawk River	16	1	255			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	59	105745	Female	4	Mohawk River	16	1	255			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	84	105770	Male	4	Mohawk River	20	1	255			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	115	105801	Male	4	Mohawk River	20	1	255			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	129	105815	Male	4	Mohawk River	20	1	255			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	206	105893	Male	4	Mohawk River	20	1	255			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	277	107647	Female	4	Mohawk River	16	1	255			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	183	107332	Female	4	Mohawk River	16	1	255			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	295	107444	Male	4	Mohawk River	20	1	255			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	318	107467	Male	4	Mohawk River	20	1	255			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	405	107752	Female	4	Mohawk River	16	1	255			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	14		Male	4	Mohawk River	20	1	255	136.6	123	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	131	107858	Male	4	Mohawk River	20	1	255			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	186	107911	Male	4	Mohawk River	20	1	255			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	302	110374	Female	4	Mohawk River	16	1	255			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	360	110431	Female	4	Mohawk River	16	1	255			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	393	110464	Male	4	Mohawk River	20	1	255			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	1	110001	Undetermined	4	Mohawk River	24	1	255			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	24	110024	Male	4	Mohawk River	20	1	255			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	55	110055	Male	4	Mohawk River	20	1	255			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	63	110063	Female	4	Mohawk River	16	1	255			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	78	110078	Female	4	Mohawk River	16	1	255			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	195	110899	Male	4	Mohawk River	20	1	255			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	201	110905	Undetermined	4	Mohawk River	24	1	255			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	223	110927	Male	4	Mohawk River	20	1	255			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	44	111040	Female	4	Mohawk River	16	1	255			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	251	111236	Male	4	Mohawk River	20	1	255			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	36	108080	Male	4	Mohawk River	20	1	255			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	22	110687	Undetermined	4	Mohawk River	24	1	255			4	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	1	111546	Male	4	Mohawk River	20	1	255			2	1	6/8/1999	6/8/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	6		Undetermined	4	Mohawk River	24	1	255			4	6	6/8/1999	6/8/1999				Angling	41	Waterford Region	2	1	3	9
Blueback Herring	2		Male	4	Mohawk River	20	1	255	110.7	106.4	2	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	33		Male	4	Mohawk River	20	1	255	114.8	107.5	2	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	8		Female	4	Mohawk River	16	1	255			1	6	6/17/1999	6/17/1999	60	1	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	2		Male	4	Mohawk River	20	1	255	107.8	101	2	3	6/21/1999	6/21/1999	60	1	Hours	Angling	43	Amsterdam Region	2	39	3	
Blueback Herring	7		Male	4	Mohawk River	20	1	255	115.3	105.4	2	3	6/30/1999	6/30/1999	130	2.166666667	Hours	Angling	44	Schoharie Region	5	64	3	9
Blueback Herring	36	115386	Male	4	Mohawk River	20	1	255			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	79	115429	Female	4	Mohawk River	16	1	255			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	65	116102	Female	4	Mohawk River	16	1	255			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	81	116118	Male	4	Mohawk River	20	1	255			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	121	116158	Male	4	Mohawk River	20	1	255			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	137	116174	Female	4	Mohawk River	16	1	255			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	138	116175	Female	4	Mohawk River	16	1	255			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	143	116180	Female	4	Mohawk River	16	1	255			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	185	116222	Female	4	Mohawk River	16	1	255			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	204	116241	Male	4	Mohawk River	20	1	255			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	224	116261	Undetermined	4	Mohawk River	24	1	255			4	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	226	116263	Male	4	Mohawk River	20	1	255			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	257	116294	Male	4	Mohawk River	20	1	255			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	28	116428	Female	4	Mohawk River	16	1	255			1	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	5		Female	4	Mohawk River	16	1	255	122.4	113.2	1	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	19		Female	4	Mohawk River	16	1	255	121.4	106.3	1	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	10		Male	4	Mohawk River	20	1	255	134.1	120.5	2	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	32		Male	4	Mohawk River	20	1	255	134.1	120.6	2	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	37		Male	4	Mohawk River	20	1	255	144.4	129.5	2	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	15	118019	Female	4	Mohawk River	16	1	255			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	16	118020	Female	4	Mohawk River	16	1	255			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	33	118037	Female	4	Mohawk River	16	1	255			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	35	118039	Male	4	Mohawk River	20	1	255			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	43	118047	Female	4	Mohawk River	16	1	255			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	59	118063	Male	4	Mohawk River	20	1	255			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	74	118078	Male	4	Mohawk River	20	1	255			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	32	118142	Female	4	Mohawk River	16	1	255			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	54	118164	Male	4	Mohawk River	20	1	255			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	95	118205	Female	4	Mohawk River	16	1	255			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	20	118234	Male	4	Mohawk River	20	1	255			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	48	118262	Female	4	Mohawk River	16	1	255			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	64	118278	Male	4	Mohawk River	20	1	255			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	99	118313	Male	4	Mohawk River	20	1	255			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	122	118336	Female	4	Mohawk River	16	1	255			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	136	118350	Male	4	Mohawk River	20	1	255			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	143	118357	Female	4	Mohawk River	16	1	255			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	152		Female	4	Mohawk River	16	1	255	126.2	108.3	1	3	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	164		Female	4	Mohawk River	16	1	255	144.5	119.5	1	3	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	18	118382	Female	4	Mohawk River	16	1	255			1	1	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	20	118384	Male	4	Mohawk River	20	1	255			2	1	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	27	118421	Female	4	Mohawk River	16	1	255			1	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	29	118423	Female	4	Mohawk River	16	1	255			1	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	35		Female	4	Mohawk River	16	1	255	146.8	118.3	1	3	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	26		Female	4	Mohawk River	16	1	255	122.1	114.3	3	3	6/5/2000	6/5/2000	190	9.5	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	3	117801	Female	4	Mohawk River	16	1	255			1	1	6/13/2000	6/13/2000	220	11	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	10	117834	Female	4	Mohawk River	16	1	255			1	1	6/13/2000	6/13/2000	175	8.75	Hours	Angling	44	Schoharie Region		53	3	9
Blueback Herring	1		Female	4	Mohawk River	16	1	255	147.8	121.9	1	3	6/13/2000	6/13/2000	155	2.583333333	Hours	Angling	44	Schoharie Region		53	3	9
Blueback Herring	6	117854	Female	4	Mohawk River	16	1	255			1	1	6/20/2000	6/20/2000	135	4.5	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	16	117875	Female	4	Mohawk River	16	1	255			1	1	6/21/2000	6/21/2000	310	10.33333333	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	13		Male	4	Mohawk River	20	1	255	117.4	104.3	2	3	6/22/2000	6/22/2000	240	8	Hours	Angling	43	Amsterdam Region		39	3	9
Blueback Herring	15		Male	4	Mohawk River	20	1	255	107.6	104	2	3	6/22/2000	6/22/2000	240	8	Hours	Angling	43	Amsterdam Region		39	3	9
Blueback Herring	27		Male	4	Mohawk River	20	1	255			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	21		Male	4	Mohawk River	20	1	255			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	57		Male	4	Mohawk River	20	1	255			2	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	79		Male	4	Mohawk River	20	1	255			2	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	4		Male	4	Mohawk River	20	1	255			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	40		Male	4	Mohawk River	20	1	255			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	64		Male	4	Mohawk River	20	1	255			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	159		Male	4	Mohawk River	20	1	255			2	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	219		Female	4	Mohawk River	16	1	255			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	257		Female	4	Mohawk River	16	1	255			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	297		Male	4	Mohawk River	20	1	255			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	304		Male	4	Mohawk River	20	1	255			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	316		Male	4	Mohawk River	20	1	255			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	348		Male	4	Mohawk River	20	1	255			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	350		Male	4	Mohawk River	20	1	255			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	23	121291	Male	4	Mohawk River	20	1	255			2	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	77	121340	Female	4	Mohawk River	16	1	255			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	10	121529	Male	4	Mohawk River	20	1	255			2	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	21	121537	Male	4	Mohawk River	20	1	255			2	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	38	121552	Male	4	Mohawk River	20	1	255			2	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	77		Female	4	Mohawk River	16	1	255			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	84		Male	4	Mohawk River	20	1	255			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	118		Female	4	Mohawk River	16	1	255			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	77		Female	4	Mohawk River	16	1	255	170.3	136	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	112		Female	4	Mohawk River	16	1	255			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	151		Male	4	Mohawk River	20	1	255			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	170		Male	4	Mohawk River	20	1	255			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	187		Male	4	Mohawk River	20	1	255			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	1		Male	4	Mohawk River	20	1	255			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	44		Male	4	Mohawk River	20	1	255			2	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	68		Male	4	Mohawk River	20	1	255			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	16		Female	4	Mohawk River	16	1	255	149.3	122.6	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	40		Female	4	Mohawk River	16	1	255	153	122.8	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	50		Female	4	Mohawk River	16	1	255	148.6	126	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	122		Female	4	Mohawk River	16	1	255			3	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	29		Undetermined	4	Mohawk River	24	1	255			4	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	9		Male	4	Mohawk River	20	1	255			2	6	5/31/2001	5/31/2001	75	3.75	Hours	Angling	44	Schoharie Region		63	3	9
Blueback Herring	39		Female	4	Mohawk River	16	1	255	144.4	115.3	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	45		Male	4	Mohawk River	20	1	255	144.1	127.5	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	7		Female	4	Mohawk River	16	1	255			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	79		Undetermined	4	Mohawk River	24	1	255			4	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	88		Male	4	Mohawk River	20	1	255			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	83		Female	4	Mohawk River	16	1	255			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	15		Female	4	Mohawk River	16	1	255	125.7	120.7	3	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	33		Female	4	Mohawk River	16	1	255	143.5	118.8	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	49		Female	4	Mohawk River	16	1	255			1	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	1	120599	Male	4	Mohawk River	20	1	255			2	1	5/29/2001	5/29/2001	5		150 ft. experimental gill		42	Schenectady Region		12	3	2
Blueback Herring	82	100448	Female	4	Mohawk River	16	1	256			3	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	93	100459	Male	4	Mohawk River	20	1	256			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	23	100489	Male	4	Mohawk River	20	1	256			3	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	36	100592	Male	4	Mohawk River	20	1	256			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	85	100640	Female	4	Mohawk River	16	1	256			1	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	12	100657	Female	4	Mohawk River	16	1	256			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	84	100723	Female	4	Mohawk River	16	1	256			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	250	100872	Male	4	Mohawk River	20	1	256			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	13	100889	Male	4	Mohawk River	20	1	256			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	33	100909	Female	4	Mohawk River	16	1	256			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	160	109018	Male	4	Mohawk River	20	1	256			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	192	109048	Male	4	Mohawk River	20	1	256			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	31	109157	Male	4	Mohawk River	20	1	256			2	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	13	101039	Female	4	Mohawk River	16	1	256			2	1	5/11/1999	5/11/1999	70	1.166666667	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	8	101101	Female	4	Mohawk River	16	1	256			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	73	101166	Female	4	Mohawk River	16	1	256			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	101	101194	Female	4	Mohawk River	16	1	256			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	16	101226	Female	4	Mohawk River	16	1	256			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	58	101268	Female	4	Mohawk River	16	1	256			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	140	101350	Female	4	Mohawk River	16	1	256			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	176	101386	Male	4	Mohawk River	20	1	256			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	216	101426	Male	4	Mohawk River	20	1	256			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	19	104051	Female	4	Mohawk River	16	1	256			1	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	31	104057	Female	4	Mohawk River	16	1	256			3	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	35	104059	Female	4	Mohawk River	16	1	256			1	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	36		Female	4	Mohawk River	16	1	256			1	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	17	104077	Male	4	Mohawk River	20	1	256			2	1	5/18/1999	5/18/1999	20	0.333333333	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	19	104151	Male	4	Mohawk River	20	1	256			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	35	104167	Male	4	Mohawk River	20	1	256			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	49	104181	Male	4	Mohawk River	20	1	256			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	71	104203	Female	4	Mohawk River	16	1	256			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	48	104251	Female	4	Mohawk River	16	1	256			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	208	104411	Male	4	Mohawk River	20	1	256			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	259	104462	Female	4	Mohawk River	16	1	256			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	273	104476	Female	4	Mohawk River	16	1	256			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	326	104529	Female	4	Mohawk River	16	1	256			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	15		Female	4	Mohawk River	16	1	256	142.6	118.8	1	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	41		Male	4	Mohawk River	20	1	256	140.6	126.1	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	55		Male	4	Mohawk River	20	1	256	137.3	122.3	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	27	104640	Male	4	Mohawk River	20	1	256			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	78	104691	Male	4	Mohawk River	20	1	256			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	2	104735	Male	4	Mohawk River	20	1	256			2	1	5/25/1999	5/25/1999	65	1.083333333	Hours	Angling	45	Little Falls River	2	63	3	
Blueback Herring	12	104747	Male	4	Mohawk River	20	1	256			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	25	104760	Male	4	Mohawk River	20	1	256			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	26	104761	Female	4	Mohawk River	16	1	256			1	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	1	104776	Male	4	Mohawk River	20	1	256			1	1	5/26/1999	5/26/1999	100	1.666666667	Hours	Angling	43	Amsterdam Region	2	34	3	
Blueback Herring	1	104803	Female	4	Mohawk River	16	1	256			2	1	5/27/1999	5/27/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	2	104804	Female	4	Mohawk River	16	1	256			2	1	5/27/1999	5/27/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	16	104947	Female	4	Mohawk River	16	1	256			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	238	106170	Female	4	Mohawk River	16	1	256			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	356	106288	Male	4	Mohawk River	20	1	256			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	1	106439	Male	4	Mohawk River	20	1	256			2	1	6/2/1999	6/2/1999	45	0.75	Hours	Angling	45	Little Falls River	4	63	3	
Blueback Herring	1	106440	Male	4	Mohawk River	20	1	256			2	1	6/2/1999	6/2/1999	60	1	Hours	Angling	44	Schoharie Region	2	60	3	1

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	17	106652	Male	4	Mohawk River	20	1	256			2	9	6/16/1999	6/16/1999	210	3.5	Hours	Angling	43	Amsterdam Region	2	35	3	
Blueback Herring	17		Male	4	Mohawk River	20	1	256	115.9	112.1	2	3	6/17/1999	6/17/1999	90	1.5	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	30		Male	4	Mohawk River	20	1	256	116.5	110.9	2	3	6/17/1999	6/17/1999	90	1.5	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	132	105303	Female	4	Mohawk River	16	1	256			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	226	105397	Male	4	Mohawk River	20	1	256			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	253	105424	Female	4	Mohawk River	16	1	256			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	275	105446	Female	4	Mohawk River	16	1	256			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	279	105450	Male	4	Mohawk River	20	1	256			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	15	105489	Male	4	Mohawk River	20	1	256			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	126	105600	Male	4	Mohawk River	20	1	256			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	163	105636	Male	4	Mohawk River	20	1	256			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	183	105870	Female	4	Mohawk River	16	1	256			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	184	105871	Female	4	Mohawk River	16	1	256			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	18	105987	Female	4	Mohawk River	16	1	256			1	1	5/28/1999	5/28/1999	30	0.5	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	9	107101	Female	4	Mohawk River	16	1	256			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	110	107232	Male	4	Mohawk River	20	1	256			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	182	107553	Male	4	Mohawk River	20	1	256			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	194	107565	Female	4	Mohawk River	16	1	256			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	37	107036	Female	4	Mohawk River	16	1	256			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	119	107267	Male	4	Mohawk River	20	1	256			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	238	107387	Female	4	Mohawk River	16	1	256			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	282	107431	Male	4	Mohawk River	20	1	256			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	294	107443	Male	4	Mohawk River	20	1	256			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	321	107470	Female	4	Mohawk River	16	1	256			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	407	107754	Female	4	Mohawk River	16	1	256			3	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	12		Female	4	Mohawk River	16	1	256	143.4	112	1	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	85	107812	Female	4	Mohawk River	16	1	256			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	264	107987	Male	4	Mohawk River	20	1	256			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	51	110051	Female	4	Mohawk River	16	1	256			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	65	110065	Female	4	Mohawk River	16	1	256			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	211	110211	Female	4	Mohawk River	16	1	256			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	100	110808	Male	4	Mohawk River	20	1	256			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	178	110882	Male	4	Mohawk River	20	1	256			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	196	110900	Undetermined	4	Mohawk River	24	1	256			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	47	110983	Male	4	Mohawk River	20	1	256			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	116	110601	Male	4	Mohawk River	20	1	256			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	45	108088	Male	4	Mohawk River	20	1	256			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	14	111341	Female	4	Mohawk River	16	1	256			1	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	42	111401	Male	4	Mohawk River	20	1	256			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	7	111557	Female	4	Mohawk River	16	1	256			1	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	9
Blueback Herring	32		Male	4	Mohawk River	20	1	256	108.6	102.7	2	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	11		Female	4	Mohawk River	16	1	256	120.6	106.8	1	3	6/30/1999	6/30/1999	130	2.166666667	Hours	Angling	44	Schoharie Region	5	64	3	9
Blueback Herring	17		Male	4	Mohawk River	20	1	256	125	122.1	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	9	115359	Male	4	Mohawk River	20	1	256			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	17	115367	Female	4	Mohawk River	16	1	256			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	23	115373	Male	4	Mohawk River	20	1	256			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	33	115383	Female	4	Mohawk River	16	1	256			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	48	115398	Female	4	Mohawk River	16	1	256			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	134	115484	Male	4	Mohawk River	20	1	256			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	31	116068	Male	4	Mohawk River	20	1	256			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	114	116151	Male	4	Mohawk River	20	1	256			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	150	116187	Male	4	Mohawk River	20	1	256			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	240	116277	Female	4	Mohawk River	16	1	256			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	246	116283	Male	4	Mohawk River	20	1	256			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	14		Female	4	Mohawk River	16	1	256	172	142.9	1	3	5/11/2000	5/11/2000	15	0.25	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	3	2
Blueback Herring	5		Female	4	Mohawk River	16	1	256	159.6	126.2	1	3	5/16/2000	5/16/2000	20	0.333333333	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	1	2
Blueback Herring	9		Female	4	Mohawk River	16	1	256	177.9	136.7	1	3	5/16/2000	5/16/2000	20	0.333333333	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	1	2
Blueback Herring	9		Female	4	Mohawk River	16	1	256	146.3	124.1	1	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	20		Female	4	Mohawk River	16	1	256	151.4	119.3	1	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	25		Female	4	Mohawk River	16	1	256	145.4	116.4	1	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	51	117400	Male	4	Mohawk River	20	1	256			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	52	117622	Female	4	Mohawk River	16	1	256			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	61	117631	Female	4	Mohawk River	16	1	256			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	136	117706	Female	4	Mohawk River	16	1	256			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	5	117777	Undetermined	4	Mohawk River	24	1	256			4	1	6/5/2000	6/5/2000	120	6	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	5	118009	Male	4	Mohawk River	20	1	256			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	19	118023	Male	4	Mohawk River	20	1	256			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	41	118045	Male	4	Mohawk River	20	1	256			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	86	118090	Male	4	Mohawk River	20	1	256			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	39	118149	Female	4	Mohawk River	16	1	256			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	44	118154	Male	4	Mohawk River	20	1	256			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	56	118166	Female	4	Mohawk River	16	1	256			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	71	118181	Female	4	Mohawk River	16	1	256			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9

Adult BBH Data

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SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	73	118183	Female	4	Mohawk River	16	1	256			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	82	118192	Female	4	Mohawk River	16	1	256			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	99	118209	Female	4	Mohawk River	16	1	256			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	81	118295	Female	4	Mohawk River	16	1	256			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	94	118308	Female	4	Mohawk River	16	1	256			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	121	118335	Male	4	Mohawk River	20	1	256			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	153		Male	4	Mohawk River	20	1	256	110.1	103.9	2	3	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	154		Female	4	Mohawk River	16	1	256	133.5	108.1	1	3	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	3	118367	Male	4	Mohawk River	20	1	256			2	1	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	13	118377	Male	4	Mohawk River	20	1	256			2	1	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	19	118383	Male	4	Mohawk River	20	1	256			2	1	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	29	118393	Female	4	Mohawk River	16	1	256			1	1	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	3	118397	Female	4	Mohawk River	16	1	256			1	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	30	118424	Undetermined	4	Mohawk River	24	1	256			4	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	3	118429	Female	4	Mohawk River	16	1	256			1	1	6/5/2000	6/5/2000	190	9.5	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	11	118437	Male	4	Mohawk River	20	1	256			3	1	6/5/2000	6/5/2000	190	9.5	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	4	117802	Male	4	Mohawk River	20	1	256			2	1	6/13/2000	6/13/2000	220	11	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	3	117862	Female	4	Mohawk River	16	1	256			1	1	6/21/2000	6/21/2000	310	10.33333333	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	9	117868	Female	4	Mohawk River	16	1	256			1	1	6/21/2000	6/21/2000	310	10.33333333	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	13	117872	Male	4	Mohawk River	20	1	256			2	1	6/21/2000	6/21/2000	310	10.33333333	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	54		Female	4	Mohawk River	16	1	256			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	60		Male	4	Mohawk River	20	1	256			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	58		Female	4	Mohawk River	16	1	256			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	61		Female	4	Mohawk River	16	1	256			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	95		Male	4	Mohawk River	20	1	256			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	104		Male	4	Mohawk River	20	1	256			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	118		Undetermined	4	Mohawk River	24	1	256			4	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	170		Female	4	Mohawk River	16	1	256			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	218		Male	4	Mohawk River	20	1	256			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	224		Female	4	Mohawk River	16	1	256			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	238		Female	4	Mohawk River	16	1	256			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	239		Female	4	Mohawk River	16	1	256			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	280		Male	4	Mohawk River	20	1	256			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	294		Male	4	Mohawk River	20	1	256			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	326		Female	4	Mohawk River	16	1	256			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	330		Female	4	Mohawk River	16	1	256			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	333		Male	4	Mohawk River	20	1	256			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	41	121308	Male	4	Mohawk River	20	1	256			2	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	107	121369	Male	4	Mohawk River	20	1	256			2	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	34	121548	Female	4	Mohawk River	16	1	256			1	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	28		Female	4	Mohawk River	16	1	256			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	65		Male	4	Mohawk River	20	1	256			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	76		Male	4	Mohawk River	20	1	256			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	100		Male	4	Mohawk River	20	1	256			2	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	102		Male	4	Mohawk River	20	1	256			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	105		Female	4	Mohawk River	16	1	256			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	128		Male	4	Mohawk River	20	1	256			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	140		Female	4	Mohawk River	16	1	256			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	12		Female	4	Mohawk River	16	1	256	164.1	139.9	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	13		Male	4	Mohawk River	20	1	256	146.7	129.6	2	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	31		Male	4	Mohawk River	20	1	256	142.4	125	2	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	42		Female	4	Mohawk River	16	1	256	160.7	132.7	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	32		Male	4	Mohawk River	20	1	256			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	49		Female	4	Mohawk River	16	1	256			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	90		Female	4	Mohawk River	16	1	256			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	118		Female	4	Mohawk River	16	1	256			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	121		Male	4	Mohawk River	20	1	256			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	174		Male	4	Mohawk River	20	1	256			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	204		Female	4	Mohawk River	16	1	256			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	208		Male	4	Mohawk River	20	1	256			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	23		Male	4	Mohawk River	20	1	256			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	104		Female	4	Mohawk River	16	1	256			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	138		Female	4	Mohawk River	16	1	256			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	146		Female	4	Mohawk River	16	1	256			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	6		Male	4	Mohawk River	20	1	256	127	116.1	2	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	71		Female	4	Mohawk River	16	1	256	131.9	122.3	4	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	94		Male	4	Mohawk River	20	1	256	137.6	125.6	2	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	101		Female	4	Mohawk River	16	1	256	153.2	127.5	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	49		Female	4	Mohawk River	16	1	256			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	90		Female	4	Mohawk River	16	1	256			3	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	28		Male	4	Mohawk River	20	1	256			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	33		Female	4	Mohawk River	16	1	256			3	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	58		Female	4	Mohawk River	16	1	256			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	72		Female	4	Mohawk River	16	1	256			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	2		Male	4	Mohawk River	20	1	256			3	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	27		Female	4	Mohawk River	16	1	256			1	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	31		Female	4	Mohawk River	16	1	256			1	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	44		Undetermined	4	Mohawk River	24	1	256			4	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	58		Male	4	Mohawk River	20	1	256			2	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	59		Male	4	Mohawk River	20	1	256			2	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	8		Female	4	Mohawk River	16	1	256	107.9	103.6	3	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	21		Female	4	Mohawk River	16	1	256	109.7	103	3	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	28		Male	4	Mohawk River	20	1	256	117.4	107	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	48		Female	4	Mohawk River	16	1	256	131.1	113.9	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	50		Female	4	Mohawk River	16	1	256	143.3	120.3	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	64		Female	4	Mohawk River	16	1	256	139.3	121.7	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	70		Female	4	Mohawk River	16	1	256	159.4	130.4	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	73		Male	4	Mohawk River	20	1	256	141.4	127.1	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	3		Male	4	Mohawk River	20	1	256			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	21		Male	4	Mohawk River	20	1	256			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	86		Female	4	Mohawk River	16	1	256			3	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	4		Female	4	Mohawk River	16	1	256			1	6	6/5/2001	6/5/2001	80	2.666666667	Hours	Angling	43	Amsterdam Region		38	3	9
Blueback Herring	7		Male	4	Mohawk River	20	1	256			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	39		Female	4	Mohawk River	16	1	256			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	57		Male	4	Mohawk River	20	1	256			2	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	60		Male	4	Mohawk River	20	1	256			2	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	50		Male	4	Mohawk River	20	1	256	119	114.4	3	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	57		Male	4	Mohawk River	20	1	256	113.2	104.6	2	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	75		Female	4	Mohawk River	16	1	256	133.6	110.9	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	24		Undetermined	4	Mohawk River	24	1	256			4	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	74		Female	4	Mohawk River	16	1	256			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	48	100514	Female	4	Mohawk River	16	1	257			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	59	100525	Male	4	Mohawk River	20	1	257			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	77	100543	Male	4	Mohawk River	20	1	257			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	20	100576	Male	4	Mohawk River	20	1	257			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	42	100598	Female	4	Mohawk River	16	1	257			3	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	54	100610	Female	4	Mohawk River	16	1	257			3	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	132	100769	Female	4	Mohawk River	16	1	257			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	1	100877	Undetermined	4	Mohawk River	24	1	257			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	75	100946	Male	4	Mohawk River	20	1	257			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	193	109049	Undetermined	4	Mohawk River	24	1	257			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	10	101036	Female	4	Mohawk River	16	1	257			2	1	5/11/1999	5/11/1999	70	1.166666667	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	27	101120	Female	4	Mohawk River	16	1	257			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	78	101171	Female	4	Mohawk River	16	1	257			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	99	101192	Female	4	Mohawk River	16	1	257			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	17	101227	Male	4	Mohawk River	20	1	257			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	66	101276	Female	4	Mohawk River	16	1	257			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	68	101278	Female	4	Mohawk River	16	1	257			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	85	101295	Female	4	Mohawk River	16	1	257			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	100	101310	Female	4	Mohawk River	16	1	257			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	148	101358	Male	4	Mohawk River	20	1	257			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	152	101362	Male	4	Mohawk River	20	1	257			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	157	101367	Female	4	Mohawk River	16	1	257			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	248	101458	Male	4	Mohawk River	20	1	257			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	27	101494	Female	4	Mohawk River	16	1	257			1	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	1	104001	Female	4	Mohawk River	16	1	257			1	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	4	104004	Male	4	Mohawk River	20	1	257			2	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	15	104015	Female	4	Mohawk River	16	1	257			1	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	7	104045	Female	4	Mohawk River	16	1	257			1	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	6	104066	Female	4	Mohawk River	16	1	257			1	1	5/18/1999	5/18/1999	20	0.333333333	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	56	104188	Female	4	Mohawk River	16	1	257			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	57	104189	Female	4	Mohawk River	16	1	257			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	63	104195	Female	4	Mohawk River	16	1	257			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	51	104254	Female	4	Mohawk River	16	1	257			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	87	104290	Male	4	Mohawk River	20	1	257			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	200	104403	Male	4	Mohawk River	20	1	257			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	236	104439	Male	4	Mohawk River	20	1	257			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	277	104480	Male	4	Mohawk River	20	1	257			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	290	104493	Male	4	Mohawk River	20	1	257			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	292	104495	Female	4	Mohawk River	16	1	257			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	328	104531	Male	4	Mohawk River	20	1	257			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	332	104535	Female	4	Mohawk River	16	1	257			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	374	104577	Female	4	Mohawk River	16	1	257			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	385	104588	Female	4	Mohawk River	16	1	257			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	29		Male	4	Mohawk River	20	1	257	144.7	131.1	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	59		Female	4	Mohawk River	16	1	257	144.5	122.1	1	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	1	104614	Male	4	Mohawk River	20	1	257			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	17	104630	Female	4	Mohawk River	16	1	257			1	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	90	104703	Male	4	Mohawk River	20	1	257			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	6	104741	Male	4	Mohawk River	20	1	257			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	15	104793	Male	4	Mohawk River	20	1	257			2	1	5/26/1999	5/26/1999	100	1.666666667	Hours	Angling	43	Amsterdam Region	2	34	3	
Blueback Herring	18		Female	4	Mohawk River	16	1	257	127.4	108.5	1	3	5/27/1999	5/27/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	48	104876	Female	4	Mohawk River	16	1	257			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	1	104932	Female	4	Mohawk River	16	1	257			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	71	106049	Female	4	Mohawk River	16	1	257			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	290	106222	Male	4	Mohawk River	20	1	257			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	400	106333	Female	4	Mohawk River	16	1	257			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	501	106434	Female	4	Mohawk River	16	1	257			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	8	106449	Female	4	Mohawk River	16	1	257			1	1	6/3/1999	6/3/1999	60	1	Hours	Angling	43	Amsterdam Region	3	38	3	7
Blueback Herring	9	106450	Male	4	Mohawk River	20	1	257			2	1	6/3/1999	6/3/1999	60	1	Hours	Angling	43	Amsterdam Region	3	38	3	7
Blueback Herring	2		Male	4	Mohawk River	20	1	257	113.9	108.6	3	3	6/16/1999	6/16/1999	60	1	Hours	Angling	44	Schoharie Region	3	44	3	
Blueback Herring	22	105193	Female	4	Mohawk River	16	1	257			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	56	105227	Female	4	Mohawk River	16	1	257			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	106	105277	Female	4	Mohawk River	16	1	257			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	157	105328	Female	4	Mohawk River	16	1	257			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	205	105376	Female	4	Mohawk River	16	1	257			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	217	105388	Male	4	Mohawk River	20	1	257			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	235	105406	Male	4	Mohawk River	20	1	257			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	290	105461	Male	4	Mohawk River	20	1	257			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	16	105490	Female	4	Mohawk River	16	1	257			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	23	105497	Male	4	Mohawk River	20	1	257			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	39	105513	Female	4	Mohawk River	16	1	257			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	91	105565	Female	4	Mohawk River	16	1	257			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	98	105784	Male	4	Mohawk River	20	1	257			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	12	107104	Female	4	Mohawk River	16	1	257			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	112	107234	Female	4	Mohawk River	16	1	257			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	218	107589	Female	4	Mohawk River	16	1	257			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	243	107613	Male	4	Mohawk River	20	1	257			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	310	107680	Female	4	Mohawk River	16	1	257			3	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	35	107034	Male	4	Mohawk River	20	1	257			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	240	107389	Female	4	Mohawk River	16	1	257			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	376	107723	Female	4	Mohawk River	16	1	257			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	377	107724	Female	4	Mohawk River	16	1	257			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	400		Female	4	Mohawk River	16	1	257			2	6	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	138	107865	Female	4	Mohawk River	16	1	257			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	466	110531	Male	4	Mohawk River	20	1	257			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	127	110834	Male	4	Mohawk River	20	1	257			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	9	110946	Female	4	Mohawk River	16	1	257			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	80	110565	Female	4	Mohawk River	16	1	257			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	138	110622	Female	4	Mohawk River	16	1	257			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	83	111078	Male	4	Mohawk River	20	1	257			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	319	111304	Undetermined	4	Mohawk River	24	1	257			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	50	108093	Female	4	Mohawk River	16	1	257			1	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	12	111374	Male	4	Mohawk River	20	1	257			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	3	111548	Female	4	Mohawk River	16	1	257			1	1	6/8/1999	6/8/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	10		Male	4	Mohawk River	20	1	257			3	6	6/8/1999	6/8/1999				Angling	41	Waterford Region	2	1	3	9
Blueback Herring	14		Male	4	Mohawk River	20	1	257	114	111.8	2	3	6/22/1999	6/22/1999	20	0.333333333	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	22		Male	4	Mohawk River	20	1	257	149	145.5	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	12	115362	Male	4	Mohawk River	20	1	257			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	28	115378	Male	4	Mohawk River	20	1	257			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	62	115412	Male	4	Mohawk River	20	1	257			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	91	115441	Female	4	Mohawk River	16	1	257			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	148	115498	Male	4	Mohawk River	20	1	257			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	1	116038	Male	4	Mohawk River	20	1	257			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	70	116107	Undetermined	4	Mohawk River	24	1	257			4	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	102	116139	Male	4	Mohawk River	20	1	257			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	129	116166	Female	4	Mohawk River	16	1	257			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	131	116168	Female	4	Mohawk River	16	1	257			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	163	116200	Undetermined	4	Mohawk River	24	1	257			4	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	169	116206	Undetermined	4	Mohawk River	24	1	257			4	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	216	116253	Male	4	Mohawk River	20	1	257			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	230	116267	Male	4	Mohawk River	20	1	257			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	231	116268	Undetermined	4	Mohawk River	24	1	257			4	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	3	116403	Undetermined	4	Mohawk River	24	1	257			4	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	1		Male	4	Mohawk River	20	1	257	112.5	104.6	2	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	3		Male	4	Mohawk River	20	1	257	130.2	125.6	2	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	5	117355	Female	4	Mohawk River	16	1	257			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	6	117356	Female	4	Mohawk River	16	1	257			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	12	117362	Female	4	Mohawk River	16	1	257			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	33	117383	Female	4	Mohawk River	16	1	257			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	53	117623	Female	4	Mohawk River	16	1	257			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	91	117661	Female	4	Mohawk River	16	1	257			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	141	117711	Female	4	Mohawk River	16	1	257			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	3		Female	4	Mohawk River	16	1	257	153.9	126.8	1	3	5/31/2000	5/31/2000	35	1.75	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	11	117756	Male	4	Mohawk River	20	1	257			2	9	6/1/2000	6/1/2000	70	1.166666667	Hours	Scap net/Lift net	41	Waterford Region		2	3	6
Blueback Herring	17	117789	Male	4	Mohawk River	20	1	257			2	1	6/5/2000	6/5/2000	120	6	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	25		Female	4	Mohawk River	16	1	257	128.2	112.2	1	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	11	118015	Female	4	Mohawk River	16	1	257			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	63	118067	Female	4	Mohawk River	16	1	257			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	64	118068	Female	4	Mohawk River	16	1	257			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	68	118072	Female	4	Mohawk River	16	1	257			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	18	118128	Female	4	Mohawk River	16	1	257			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	83	118193	Female	4	Mohawk River	16	1	257			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	93	118203	Female	4	Mohawk River	16	1	257			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	101	118211	Female	4	Mohawk River	16	1	257			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	5	118219	Male	4	Mohawk River	20	1	257			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	6	118220	Male	4	Mohawk River	20	1	257			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	72	118286	Male	4	Mohawk River	20	1	257			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	82	118296	Female	4	Mohawk River	16	1	257			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	1	118365	Female	4	Mohawk River	16	1	257			1	1	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	4	118368	Female	4	Mohawk River	16	1	257			1	1	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	11	118375	Male	4	Mohawk River	20	1	257			2	1	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	2	118396	Male	4	Mohawk River	20	1	257			2	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	17	118411	Male	4	Mohawk River	20	1	257			2	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	21	118415	Female	4	Mohawk River	16	1	257			1	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	18	118444	Female	4	Mohawk River	16	1	257			1	1	6/5/2000	6/5/2000	190	9.5	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	13	117811	Female	4	Mohawk River	16	1	257			1	1	6/13/2000	6/13/2000	220	11	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	23	117821	Female	4	Mohawk River	16	1	257			1	1	6/13/2000	6/13/2000	220	11	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	5	117864	Male	4	Mohawk River	20	1	257			2	1	6/21/2000	6/21/2000	310	10.33333333	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	19	117878	Female	4	Mohawk River	16	1	257			1	1	6/21/2000	6/21/2000	310	10.33333333	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	30		Male	4	Mohawk River	20	1	257			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	35		Male	4	Mohawk River	20	1	257			2	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	39		Male	4	Mohawk River	20	1	257			2	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	48		Male	4	Mohawk River	20	1	257			2	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	60		Female	4	Mohawk River	16	1	257			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	21		Male	4	Mohawk River	20	1	257			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	22		Male	4	Mohawk River	20	1	257			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	66		Female	4	Mohawk River	16	1	257			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	70		Male	4	Mohawk River	20	1	257			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	74		Male	4	Mohawk River	20	1	257			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	109		Male	4	Mohawk River	20	1	257			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	173		Male	4	Mohawk River	20	1	257			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	193		Male	4	Mohawk River	20	1	257			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	211		Male	4	Mohawk River	20	1	257			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	226		Male	4	Mohawk River	20	1	257			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	251		Male	4	Mohawk River	20	1	257			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	263		Male	4	Mohawk River	20	1	257			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	290		Female	4	Mohawk River	16	1	257			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	347		Female	4	Mohawk River	16	1	257			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	70	121333	Female	4	Mohawk River	16	1	257			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	109		Male	4	Mohawk River	20	1	257			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	110		Female	4	Mohawk River	16	1	257			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	112		Female	4	Mohawk River	16	1	257			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	126		Male	4	Mohawk River	20	1	257			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	1		Male	4	Mohawk River	20	1	257	144.1	130.1	2	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	19		Female	4	Mohawk River	16	1	257	156.1	129.4	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	69		Female	4	Mohawk River	16	1	257			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	107		Female	4	Mohawk River	16	1	257			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	165		Female	4	Mohawk River	16	1	257			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	168		Female	4	Mohawk River	16	1	257			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	3		Female	4	Mohawk River	16	1	257			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	144		Female	4	Mohawk River	16	1	257			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	56		Female	4	Mohawk River	16	1	257			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	70		Female	4	Mohawk River	16	1	257			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	78		Female	4	Mohawk River	16	1	257			2	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	42		Female	4	Mohawk River	16	1	257	158.7	128.2	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	69		Female	4	Mohawk River	16	1	257	133.7	124.5	3	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	13		Male	4	Mohawk River	20	1	257			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	25		Female	4	Mohawk River	16	1	257			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	41		Undetermined	4	Mohawk River	24	1	257			4	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	4		Male	4	Mohawk River	20	1	257			2	6	5/31/2001	5/31/2001	75	3.75	Hours	Angling	44	Schoharie Region		63	3	9
Blueback Herring	15		Male	4	Mohawk River	20	1	257	122.7	116.7	3	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	54		Female	4	Mohawk River	16	1	257	159	121.7	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	78		Male	4	Mohawk River	20	1	257	130.7	117	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	26		Female	4	Mohawk River	16	1	257			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	89		Male	4	Mohawk River	20	1	257			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	24		Female	4	Mohawk River	16	1	257			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	42		Female	4	Mohawk River	16	1	257			2	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	62		Male	4	Mohawk River	20	1	257			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	79		Male	4	Mohawk River	20	1	257			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	86		Male	4	Mohawk River	20	1	257			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	18		Male	4	Mohawk River	20	1	257			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	19		Male	4	Mohawk River	20	1	257			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	33		Male	4	Mohawk River	20	1	257			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	50		Male	4	Mohawk River	20	1	257			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	55		Female	4	Mohawk River	16	1	257			1	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	73		Female	4	Mohawk River	16	1	257			1	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	16	120622	Male	4	Mohawk River	20	1	257			2	1	5/29/2001	5/29/2001	10	0.166666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	9	120635	Female	4	Mohawk River	16	1	257			1	1	5/29/2001	5/29/2001	14	0.233333333	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	11	120637	Male	4	Mohawk River	20	1	257			2	1	5/29/2001	5/29/2001	14	0.233333333	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	52	100418	Male	4	Mohawk River	20	1	258			2	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	99	100465	Female	4	Mohawk River	16	1	258			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	109		Female	4	Mohawk River	16	1	258	123.1	114.8	3	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	12	100478	Female	4	Mohawk River	16	1	258			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	18	100484	Male	4	Mohawk River	20	1	258			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	22	100488	Female	4	Mohawk River	16	1	258			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	61	100527	Male	4	Mohawk River	20	1	258			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	62		Male	4	Mohawk River	20	1	258			1	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	12	109138	Female	4	Mohawk River	16	1	258			1	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	17	101085	Male	4	Mohawk River	20	1	258			2	1	5/12/1999	5/12/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	92	101185	Male	4	Mohawk River	20	1	258			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	28	101238	Female	4	Mohawk River	16	1	258			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	48	101258	Female	4	Mohawk River	16	1	258			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	127	101337	Male	4	Mohawk River	20	1	258			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	145	101355	Male	4	Mohawk River	20	1	258			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	164	101374	Male	4	Mohawk River	20	1	258			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	200	101410	Female	4	Mohawk River	16	1	258			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	221	101431	Male	4	Mohawk River	20	1	258			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	235	101445	Male	4	Mohawk River	20	1	258			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	33	104033	Female	4	Mohawk River	16	1	258			1	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	9	104046	Female	4	Mohawk River	16	1	258			1	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	34		Female	4	Mohawk River	16	1	258			1	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	89	104292	Female	4	Mohawk River	16	1	258			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	108	104311	Male	4	Mohawk River	20	1	258			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	143	104346	Female	4	Mohawk River	16	1	258			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	144	104347	Male	4	Mohawk River	20	1	258			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	163	104366	Female	4	Mohawk River	16	1	258			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	269	104472	Male	4	Mohawk River	20	1	258			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	289	104492	Female	4	Mohawk River	16	1	258			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	353	104556	Female	4	Mohawk River	16	1	258			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	372	104575	Female	4	Mohawk River	16	1	258			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	66		Female	4	Mohawk River	16	1	258	158.7	128.8	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	30	104643	Female	4	Mohawk River	16	1	258			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	38	104651	Female	4	Mohawk River	16	1	258			1	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	51	104664	Male	4	Mohawk River	20	1	258			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	98	104711	Female	4	Mohawk River	16	1	258			1	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	100	104713	Male	4	Mohawk River	20	1	258			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	24	104802	Female	4	Mohawk River	16	1	258			2	1	5/26/1999	5/26/1999	100	1.666666667	Hours	Angling	43	Amsterdam Region	2	34	3	
Blueback Herring	31	104859	Female	4	Mohawk River	16	1	258			1	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	49	104980	Female	4	Mohawk River	16	1	258			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	439	106372	Female	4	Mohawk River	16	1	258			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	453	106386	Female	4	Mohawk River	16	1	258			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	16	106651	Female	4	Mohawk River	16	1	258			3	9	6/16/1999	6/16/1999	210	3.5	Hours	Angling	43	Amsterdam Region	2	35	3	
Blueback Herring	13		Male	4	Mohawk River	20	1	258	121.3	116.2	2	3	6/17/1999	6/17/1999	90	1.5	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	18		Male	4	Mohawk River	20	1	258	121.6	115.7	2	3	6/17/1999	6/17/1999	90	1.5	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	55	105226	Female	4	Mohawk River	16	1	258			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	125	105296	Female	4	Mohawk River	16	1	258			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	128	105299	Female	4	Mohawk River	16	1	258			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	133	105304	Female	4	Mohawk River	16	1	258			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	158	105329	Female	4	Mohawk River	16	1	258			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	168	105339	Male	4	Mohawk River	20	1	258			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	171	105342	Female	4	Mohawk River	16	1	258			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	185	105356	Male	4	Mohawk River	20	1	258			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	214	105385	Male	4	Mohawk River	20	1	258			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	239	105410	Female	4	Mohawk River	16	1	258			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	254	105425	Male	4	Mohawk River	20	1	258			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	269	105440	Male	4	Mohawk River	20	1	258			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	281	105452	Male	4	Mohawk River	20	1	258			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	285	105456	Male	4	Mohawk River	20	1	258			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	292	105463	Female	4	Mohawk River	16	1	258			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9

Adult BBH Data

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SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	136	105610	Female	4	Mohawk River	16	1	258			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	156	105630	Female	4	Mohawk River	16	1	258			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	125	105811	Female	4	Mohawk River	16	1	258			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	2	105971	Female	4	Mohawk River	16	1	258			1	1	5/28/1999	5/28/1999	30	0.5	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	18	107110	Female	4	Mohawk River	16	1	258			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	38	107130	Female	4	Mohawk River	16	1	258			3	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	63	107155	Male	4	Mohawk River	20	1	258			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	116	107238	Female	4	Mohawk River	16	1	258			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	267	107637	Female	4	Mohawk River	16	1	258			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	279	107649	Undetermined	4	Mohawk River	24	1	258			4	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	15		Female	4	Mohawk River	16	1	258			3	6	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	92	107091	Female	4	Mohawk River	16	1	258			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	113	107261	Female	4	Mohawk River	16	1	258			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	122	107270	Female	4	Mohawk River	16	1	258			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	139	107288	Male	4	Mohawk River	20	1	258			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	145	107294	Female	4	Mohawk River	16	1	258			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	164	107313	Female	4	Mohawk River	16	1	258			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	330	107479	Female	4	Mohawk River	16	1	258			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	429	107775	Male	4	Mohawk River	20	1	258			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	25		Female	4	Mohawk River	16	1	258	109.9	105.4	3	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	162		Female	4	Mohawk River	16	1	258			1	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	178	107903	Female	4	Mohawk River	16	1	258			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	270	107993	Female	4	Mohawk River	16	1	258			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	282	110354	Male	4	Mohawk River	20	1	258			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	414	110484	Male	4	Mohawk River	20	1	258			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	69	110069	Male	4	Mohawk River	20	1	258			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	107	110107	Male	4	Mohawk River	20	1	258			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	216	110216	Female	4	Mohawk River	16	1	258			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	285	110285	Male	4	Mohawk River	20	1	258			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	219	110923	Male	4	Mohawk River	20	1	258			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	15	110952	Female	4	Mohawk River	16	1	258			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	56	110992	Female	4	Mohawk River	16	1	258			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	160	111149	Female	4	Mohawk River	16	1	258			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	225	111212	Female	4	Mohawk River	16	1	258			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	230	111217	Female	4	Mohawk River	16	1	258			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	320	111305	Undetermined	4	Mohawk River	24	1	258			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	51	110714	Male	4	Mohawk River	20	1	258			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	43	111402	Male	4	Mohawk River	20	1	258			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	36	111536	Male	4	Mohawk River	20	1	258			2	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	3		Undetermined	4	Mohawk River	24	1	258			4	6	6/8/1999	6/8/1999				Angling	41	Waterford Region	2	1	3	9
Blueback Herring	7		Female	4	Mohawk River	16	1	258	102.8	97.2	3	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	28		Female	4	Mohawk River	16	1	258	125.9	112.8	1	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	4	115354	Male	4	Mohawk River	20	1	258			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	21	115371	Male	4	Mohawk River	20	1	258			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	53	115403	Female	4	Mohawk River	16	1	258			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	95	115445	Male	4	Mohawk River	20	1	258			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	132	115482	Female	4	Mohawk River	16	1	258			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	7	116044	Male	4	Mohawk River	20	1	258			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	107	116144	Female	4	Mohawk River	16	1	258			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	175	116212	Male	4	Mohawk River	20	1	258			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	203	116240	Male	4	Mohawk River	20	1	258			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	215	116252	Male	4	Mohawk River	20	1	258			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	234	116271	Female	4	Mohawk River	16	1	258			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	238	116275	Male	4	Mohawk River	20	1	258			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	258	116295	Undetermined	4	Mohawk River	24	1	258			4	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	26		Female	4	Mohawk River	16	1	258	167.7	139.6	1	3	5/11/2000	5/11/2000	15	0.25	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	3	2
Blueback Herring	5	116405	Female	4	Mohawk River	16	1	258			1	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	12		Female	4	Mohawk River	16	1	258	159.3	121.4	1	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	23		Female	4	Mohawk River	16	1	258	147.3	118.7	1	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	14	117364	Female	4	Mohawk River	16	1	258			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	15	117365	Female	4	Mohawk River	16	1	258			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	56	117626	Female	4	Mohawk River	16	1	258			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	62	117632	Male	4	Mohawk River	20	1	258			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	76	117646	Female	4	Mohawk River	16	1	258			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	118	117688	Undetermined	4	Mohawk River	24	1	258			4	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	19	117791	Female	4	Mohawk River	16	1	258			1	1	6/5/2000	6/5/2000	120	6	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	16		Female	4	Mohawk River	16	1	258	143.5	121.6	1	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	106	118110	Female	4	Mohawk River	16	1	258			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	15	118125	Female	4	Mohawk River	16	1	258			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	86	118196	Male	4	Mohawk River	20	1	258			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	26	118240	Female	4	Mohawk River	16	1	258			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	53	118267	Female	4	Mohawk River	16	1	258			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	71	118285	Female	4	Mohawk River	16	1	258			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	102	118316	Female	4	Mohawk River	16	1	258			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	137	118351	Female	4	Mohawk River	16	1	258			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	171		Female	4	Mohawk River	16	1	258	116.4	104.2	1	3	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	173		Female	4	Mohawk River	16	1	258	150.6	118.5	1	3	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	14	118378	Male	4	Mohawk River	20	1	258			2	1	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	11	118405	Female	4	Mohawk River	16	1	258			1	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	22	118416	Male	4	Mohawk River	20	1	258			2	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	2	118452	Female	4	Mohawk River	16	1	258			1	1	6/6/2000	6/6/2000	180	6	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	7	117805	Female	4	Mohawk River	16	1	258			1	1	6/13/2000	6/13/2000	220	11	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	15	117874	Female	4	Mohawk River	16	1	258			1	1	6/21/2000	6/21/2000	310	10.33333333	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	1	117880	Female	4	Mohawk River	16	1	258			1	1	6/21/2000	6/21/2000	25	0.833333333	Hours	Angling	43	Amsterdam Region		39	3	9
Blueback Herring	38		Female	4	Mohawk River	16	1	258			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	9		Female	4	Mohawk River	16	1	258			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	23		Male	4	Mohawk River	20	1	258			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	53		Male	4	Mohawk River	20	1	258			2	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	62		Male	4	Mohawk River	20	1	258			2	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	86		Male	4	Mohawk River	20	1	258			2	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	91		Male	4	Mohawk River	20	1	258			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	46		Female	4	Mohawk River	16	1	258			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	79		Male	4	Mohawk River	20	1	258			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	92		Male	4	Mohawk River	20	1	258			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	123		Male	4	Mohawk River	20	1	258			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	210		Male	4	Mohawk River	20	1	258			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	270		Male	4	Mohawk River	20	1	258			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	272		Male	4	Mohawk River	20	1	258			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	289		Male	4	Mohawk River	20	1	258			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	337		Female	4	Mohawk River	16	1	258			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	3	121271	Male	4	Mohawk River	20	1	258			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	47	121313	Undetermined	4	Mohawk River	24	1	258			4	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	105	121367	Undetermined	4	Mohawk River	24	1	258			4	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	4	121523	Undetermined	4	Mohawk River	24	1	258			4	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	21		Male	4	Mohawk River	20	1	258			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	27		Female	4	Mohawk River	16	1	258			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	46		Male	4	Mohawk River	20	1	258			2	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	59		Male	4	Mohawk River	20	1	258			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	51		Male	4	Mohawk River	20	1	258	139.5	124.9	2	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	59		Male	4	Mohawk River	20	1	258	144.1	127.6	2	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	120		Female	4	Mohawk River	16	1	258			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	143		Male	4	Mohawk River	20	1	258			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	178		Male	4	Mohawk River	20	1	258			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	181		Female	4	Mohawk River	16	1	258			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	207		Male	4	Mohawk River	20	1	258			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	17		Female	4	Mohawk River	16	1	258			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	63		Female	4	Mohawk River	16	1	258			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	82		Male	4	Mohawk River	20	1	258			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	95		Female	4	Mohawk River	16	1	258			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	34		Female	4	Mohawk River	16	1	258			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	39		Male	4	Mohawk River	20	1	258	133.9	124.2	2	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	104		Female	4	Mohawk River	16	1	258	159.6	129	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	26		Female	4	Mohawk River	16	1	258			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	114		Female	4	Mohawk River	16	1	258			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	125		Female	4	Mohawk River	16	1	258			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	15		Male	4	Mohawk River	20	1	258			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	5		Female	4	Mohawk River	16	1	258			3	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	27		Male	4	Mohawk River	20	1	258	119.3	114.8	3	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	19		Female	4	Mohawk River	16	1	258			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	45		Female	4	Mohawk River	16	1	258			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	57		Male	4	Mohawk River	20	1	258			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	17		Male	4	Mohawk River	20	1	258			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	34		Female	4	Mohawk River	16	1	258			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	85		Female	4	Mohawk River	16	1	258			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	135		Male	4	Mohawk River	20	1	258			2	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	27		Female	4	Mohawk River	16	1	258	126	110.9	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	59		Female	4	Mohawk River	16	1	258	134.3	119.2	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	77		Female	4	Mohawk River	16	1	258	121.4	109.9	3	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	1		Male	4	Mohawk River	20	1	258			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	14		Female	4	Mohawk River	16	1	258			1	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	27		Male	4	Mohawk River	20	1	258			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	27		Female	4	Mohawk River	16	1	258			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	83		Male	4	Mohawk River	20	1	258			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	3	120609	Female	4	Mohawk River	16	1	258			1	1	5/29/2001	5/29/2001	10	0.166666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	10	120616	Female	4	Mohawk River	16	1	258			1	1	5/29/2001	5/29/2001	10	0.166666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	120		Female	4	Mohawk River	16	1	259	154.4	118.5	2	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	74	100630	Female	4	Mohawk River	16	1	259			1	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	49	100692	Male	4	Mohawk River	20	1	259			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9

															Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	55	100698	Male	4	Mohawk River	20	1	259			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	99	100738	Undetermined	4	Mohawk River	24	1	259			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	110	100748	Male	4	Mohawk River	20	1	259			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	222	100846	Male	4	Mohawk River	20	1	259			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	7	101033	Female	4	Mohawk River	16	1	259			1	1	5/11/1999	5/11/1999	70	1.166666667	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	3	101045	Female	4	Mohawk River	16	1	259			1	1	5/11/1999	5/11/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	11	101053	Female	4	Mohawk River	16	1	259			1	1	5/11/1999	5/11/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	18	101086	Male	4	Mohawk River	20	1	259			2	1	5/12/1999	5/12/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	20	101088	Female	4	Mohawk River	16	1	259			1	1	5/12/1999	5/12/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	20	101113	Female	4	Mohawk River	16	1	259			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	64	101157	Female	4	Mohawk River	16	1	259			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	72	101165	Female	4	Mohawk River	16	1	259			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	42	101252	Female	4	Mohawk River	16	1	259			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	255	101465	Male	4	Mohawk River	20	1	259			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	13	101480	Male	4	Mohawk River	20	1	259			2	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	8	104140	Female	4	Mohawk River	16	1	259			1	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	17	104149	Male	4	Mohawk River	20	1	259			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	13	104216	Female	4	Mohawk River	16	1	259			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	96	104299	Female	4	Mohawk River	16	1	259			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	180	104383	Female	4	Mohawk River	16	1	259			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	252	104455	Female	4	Mohawk River	16	1	259			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	281	104484	Female	4	Mohawk River	16	1	259			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	299	104502	Male	4	Mohawk River	20	1	259			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	321	104524	Female	4	Mohawk River	16	1	259			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	327	104530	Male	4	Mohawk River	20	1	259			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	74		Female	4	Mohawk River	16	1	259	150.9	122.9	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	20	104633	Female	4	Mohawk River	16	1	259			1	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	84	104697	Female	4	Mohawk River	16	1	259			1	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	116	104729	Female	4	Mohawk River	16	1	259			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	5	104782	Male	4	Mohawk River	20	1	259			2	1	5/26/1999	5/26/1999	100	1.666666667	Hours	Angling	43	Amsterdam Region	2	34	3	
Blueback Herring	11	104788	Female	4	Mohawk River	16	1	259			2	1	5/26/1999	5/26/1999	100	1.666666667	Hours	Angling	43	Amsterdam Region	2	34	3	
Blueback Herring	5	104823	Male	4	Mohawk River	20	1	259			2	1	5/27/1999	5/27/1999	82	1.366666667	Hours	Angling	42	Schenectady Region	4	23	3	
Blueback Herring	11		Female	4	Mohawk River	16	1	259	137.5	116.2	2	3	5/27/1999	5/27/1999	82	1.366666667	Hours	Angling	42	Schenectady Region	4	23	3	
Blueback Herring	15	104843	Male	4	Mohawk River	20	1	259			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	29	104960	Male	4	Mohawk River	20	1	259			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	85	106035	Female	4	Mohawk River	16	1	259			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	132	106063	Female	4	Mohawk River	16	1	259			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	150	106081	Female	4	Mohawk River	16	1	259			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	428	106361	Male	4	Mohawk River	20	1	259			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	54	106550	Female	4	Mohawk River	16	1	259			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	27	106564	Male	4	Mohawk River	20	1	259			2	9	6/4/1999	6/4/1999	15			Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	1	106589	Male	4	Mohawk River	20	1	259			2	1	6/8/1999	6/8/1999	50	0.833333333	Hours	Angling	45	Little Falls River	2	78	3	7
Blueback Herring	19		Male	4	Mohawk River	20	1	259	117.5	110.9	2	3	6/16/1999	6/16/1999	210	3.5	Hours	Angling	43	Amsterdam Region	2	35	3	
Blueback Herring	29	105200	Female	4	Mohawk River	16	1	259			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	91	105262	Female	4	Mohawk River	16	1	259			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	105	105276	Female	4	Mohawk River	16	1	259			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	127	105298	Female	4	Mohawk River	16	1	259			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	140	105311	Female	4	Mohawk River	16	1	259			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	200	105371	Female	4	Mohawk River	16	1	259			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	273	105444	Male	4	Mohawk River	20	1	259			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	302	105473	Female	4	Mohawk River	16	1	259			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	28	105502	Female	4	Mohawk River	16	1	259			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	107	105581	Female	4	Mohawk River	16	1	259			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	143	105617	Female	4	Mohawk River	16	1	259			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	8	105695	Male	4	Mohawk River	20	1	259			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	16	105703	Female	4	Mohawk River	16	1	259			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	51	105737	Female	4	Mohawk River	16	1	259			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	12	105981	Male	4	Mohawk River	20	1	259			2	1	5/28/1999	5/28/1999	30	0.5	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	234	107383	Female	4	Mohawk River	16	1	259			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	415	107762	Undetermined	4	Mohawk River	24	1	259			4	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	83		Undetermined	4	Mohawk River	24	1	259			3	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	146	107873	Female	4	Mohawk River	16	1	259			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	203	107928	Male	4	Mohawk River	20	1	259			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	318	110390	Female	4	Mohawk River	16	1	259			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	11	110011	Female	4	Mohawk River	16	1	259			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	90	110090	Undetermined	4	Mohawk River	24	1	259			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	226	110226	Male	4	Mohawk River	20	1	259			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	236	110236	Female	4	Mohawk River	16	1	259			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	151	110857	Female	4	Mohawk River	16	1	259			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	10	111010	Female	4	Mohawk River	16	1	259			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	43	108049	Female	4	Mohawk River	16	1	259			1	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	25	110690	Undetermined	4	Mohawk River	24	1	259			4	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	3	110723	Male	4	Mohawk River	20	1	259			2	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	30	111356	Undetermined	4	Mohawk River	24	1	259			4	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	

															Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	11		Male	4	Mohawk River	20	1	259			2	6	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	1		Male	4	Mohawk River	20	1	259			3	6	6/7/1999	6/7/1999	20	0.333333333	Hours	Scap net/Lift net	41	Waterford Region	2	1	3	9
Blueback Herring	20		Male	4	Mohawk River	20	1	259	121.3	112	2	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	11	115361	Male	4	Mohawk River	20	1	259			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	26	115376	Male	4	Mohawk River	20	1	259			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	27	116064	Male	4	Mohawk River	20	1	259			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	43	116080	Male	4	Mohawk River	20	1	259			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	45	116082	Male	4	Mohawk River	20	1	259			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	50	116087	Male	4	Mohawk River	20	1	259			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	100	116137	Female	4	Mohawk River	16	1	259			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	106	116143	Female	4	Mohawk River	16	1	259			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	153	116190	Female	4	Mohawk River	16	1	259			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	228	116265	Male	4	Mohawk River	20	1	259			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	4		Female	4	Mohawk River	16	1	259	172.9	147.8	1	3	5/11/2000	5/11/2000	15	0.25	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	3	2
Blueback Herring	13		Male	4	Mohawk River	20	1	259	150.5	132.3	2	3	5/11/2000	5/11/2000	15	0.25	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	3	2
Blueback Herring	24		Female	4	Mohawk River	16	1	259	138.3	112.2	1	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	4	117354	Female	4	Mohawk River	16	1	259			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	99	117669	Female	4	Mohawk River	16	1	259			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	133	117703	Female	4	Mohawk River	16	1	259			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	7		Male	4	Mohawk River	20	1	259	145.8	130.8	2	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	9	118119	Male	4	Mohawk River	20	1	259			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	12	118122	Male	4	Mohawk River	20	1	259			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	100	118210	Female	4	Mohawk River	16	1	259			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	103	118317	Female	4	Mohawk River	16	1	259			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	133	118347	Female	4	Mohawk River	16	1	259			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	141	118355	Male	4	Mohawk River	20	1	259			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	178		Male	4	Mohawk River	20	1	259	122	112.4	2	3	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	33		Female	4	Mohawk River	16	1	259	134.9	113.9	1	3	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	10	118404	Male	4	Mohawk River	20	1	259			2	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	4	117852	Female	4	Mohawk River	16	1	259			1	1	6/20/2000	6/20/2000	135	4.5	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	18		Female	4	Mohawk River	16	1	259	150.5	122.8	1	3	6/22/2000	6/22/2000	240	8	Hours	Angling	43	Amsterdam Region		39	3	9
Blueback Herring	2		Female	4	Mohawk River	16	1	259			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	22		Female	4	Mohawk River	16	1	259			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	72		Male	4	Mohawk River	20	1	259			2	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	31		Female	4	Mohawk River	16	1	259			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	38		Male	4	Mohawk River	20	1	259			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	345		Undetermined	4	Mohawk River	24	1	259			4	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	22	121290	Male	4	Mohawk River	20	1	259			2	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	27	121295	Undetermined	4	Mohawk River	24	1	259			4	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	52	121316	Female	4	Mohawk River	16	1	259			1	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	62		Undetermined	4	Mohawk River	24	1	259			3	6	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	113	121375	Female	4	Mohawk River	16	1	259			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	3	121522	Male	4	Mohawk River	20	1	259			2	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	45	121559	Male	4	Mohawk River	20	1	259			2	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	92		Female	4	Mohawk River	16	1	259			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	127		Male	4	Mohawk River	20	1	259			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	7		Female	4	Mohawk River	16	1	259	150.1	128.1	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	28		Male	4	Mohawk River	20	1	259	147.4	130.2	2	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	36		Female	4	Mohawk River	16	1	259	137.1	125.1	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	2		Male	4	Mohawk River	20	1	259			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	23		Male	4	Mohawk River	20	1	259			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	43		Female	4	Mohawk River	16	1	259			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	137		Male	4	Mohawk River	20	1	259			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	141		Male	4	Mohawk River	20	1	259			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	146		Female	4	Mohawk River	16	1	259			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	199		Male	4	Mohawk River	20	1	259			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	84		Female	4	Mohawk River	16	1	259			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	121		Female	4	Mohawk River	16	1	259			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	3		Female	4	Mohawk River	16	1	259			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	20		Female	4	Mohawk River	16	1	259	135	125	3	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	24		Female	4	Mohawk River	16	1	259	159	129.2	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	32		Female	4	Mohawk River	16	1	259	156.3	129.1	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	62		Male	4	Mohawk River	20	1	259	151.6	132.2	2	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	60		Male	4	Mohawk River	20	1	259			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	8		Female	4	Mohawk River	16	1	259			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	44		Female	4	Mohawk River	16	1	259			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	81		Male	4	Mohawk River	20	1	259			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	15		Male	4	Mohawk River	20	1	259			3	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	18		Female	4	Mohawk River	16	1	259			1	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	4		Female	4	Mohawk River	16	1	259			3	6	5/30/2001	5/30/2001	35	2.333333333	Hours	Angling	43	Amsterdam Region		43	3	7
Blueback Herring	2		Male	4	Mohawk River	20	1	259			2	6	5/31/2001	5/31/2001	75	3.75	Hours	Angling	44	Schoharie Region		63	3	9
Blueback Herring	24		Female	4	Mohawk River	16	1	259	123.3	115.9	3	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	80		Female	4	Mohawk River	16	1	259	149.1	115.1	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	17		Male	4	Mohawk River	20	1	259			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	41		Female	4	Mohawk River	16	1	259			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	65		Male	4	Mohawk River	20	1	259			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	35		Female	4	Mohawk River	16	1	259			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	4		Female	4	Mohawk River	16	1	259			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	7		Female	4	Mohawk River	16	1	259			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	15		Male	4	Mohawk River	20	1	259			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	43		Female	4	Mohawk River	16	1	259			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	45		Female	4	Mohawk River	16	1	259			1	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	6	120632	Undetermined	4	Mohawk River	24	1	259			4	1	5/29/2001	5/29/2001	14	0.233333333	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	1	120643	Female	4	Mohawk River	16	1	259			2	1	5/29/2001	5/29/2001	13	0.216666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	17	100383	Female	4	Mohawk River	16	1	260			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	137		Male	4	Mohawk River	20	1	260	122.5	117.3	2	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	30	100496	Female	4	Mohawk River	16	1	260			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	64	100530	Male	4	Mohawk River	20	1	260			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	65	100531	Male	4	Mohawk River	20	1	260			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	67	100533	Female	4	Mohawk River	16	1	260			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	30		Female	4	Mohawk River	16	1	260			1	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	209	100833	Female	4	Mohawk River	16	1	260			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	129	100993	Female	4	Mohawk River	16	1	260			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	133		Female	4	Mohawk River	16	1	260			3	6	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	138	100998	Female	4	Mohawk River	16	1	260			3	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	211		Female	4	Mohawk River	16	1	260			3	6	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	8		Undetermined	4	Mohawk River	24	1	260			3	6	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	8	101050	Male	4	Mohawk River	20	1	260			2	1	5/11/1999	5/11/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	9	101051	Male	4	Mohawk River	20	1	260			2	1	5/11/1999	5/11/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	14	101056	Female	4	Mohawk River	16	1	260			1	1	5/11/1999	5/11/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	11	101079	Female	4	Mohawk River	16	1	260			1	1	5/12/1999	5/12/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	36	101129	Female	4	Mohawk River	16	1	260			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	82	101175	Female	4	Mohawk River	16	1	260			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	113	101206	Female	4	Mohawk River	16	1	260			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	187	101397	Male	4	Mohawk River	20	1	260			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	219	101429	Male	4	Mohawk River	20	1	260			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	243	101453	Female	4	Mohawk River	16	1	260			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	10	101477	Male	4	Mohawk River	20	1	260			2	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	24	101491	Male	4	Mohawk River	20	1	260			2	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	36		Female	4	Mohawk River	16	1	260	150	119.3	1	3	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	44		Female	4	Mohawk River	16	1	260	157.1	136.7	1	3	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	29	104056	Female	4	Mohawk River	16	1	260			1	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	32	104164	Female	4	Mohawk River	16	1	260			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	28	104231	Male	4	Mohawk River	20	1	260			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	36	104239	Male	4	Mohawk River	20	1	260			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	68	104271	Male	4	Mohawk River	20	1	260			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	172	104375	Male	4	Mohawk River	20	1	260			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	194	104397	Male	4	Mohawk River	20	1	260			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	232	104435	Male	4	Mohawk River	20	1	260			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	254	104457	Female	4	Mohawk River	16	1	260			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	278	104481	Female	4	Mohawk River	16	1	260			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	286	104489	Female	4	Mohawk River	16	1	260			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	298	104501	Male	4	Mohawk River	20	1	260			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	324	104527	Female	4	Mohawk River	16	1	260			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	329	104532	Male	4	Mohawk River	20	1	260			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	339	104542	Female	4	Mohawk River	16	1	260			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	341	104544	Female	4	Mohawk River	16	1	260			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	348	104551	Female	4	Mohawk River	16	1	260			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	371	104574	Male	4	Mohawk River	20	1	260			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	382	104585	Male	4	Mohawk River	20	1	260			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	392	104595	Female	4	Mohawk River	16	1	260			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	48		Male	4	Mohawk River	20	1	260	131.7	118.3	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	47	104660	Female	4	Mohawk River	16	1	260			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	58	104671	Female	4	Mohawk River	16	1	260			1	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	68	104681	Female	4	Mohawk River	16	1	260			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	85	104698	Male	4	Mohawk River	20	1	260			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	11	104813	Male	4	Mohawk River	20	1	260			2	1	5/27/1999	5/27/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	1		Female	4	Mohawk River	16	1	260	146.6	117.6	2	3	5/27/1999	5/27/1999	218	3.633333333	Hours	ft. x 2.50 in. gill ne	42	Schenectady Region	3	20	3	
Blueback Herring	47	104875	Female	4	Mohawk River	16	1	260			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	49	104877	Female	4	Mohawk River	16	1	260			1	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	59	104888	Male	4	Mohawk River	20	1	260			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	96	104927	Female	4	Mohawk River	16	1	260			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	87	106033	Female	4	Mohawk River	16	1	260			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	223	106155	Female	4	Mohawk River	16	1	260			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	263	106195	Female	4	Mohawk River	16	1	260			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	282	106214	Female	4	Mohawk River	16	1	260			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	483	106416	Female	4	Mohawk River	16	1	260			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	12	106467	Female	4	Mohawk River	16	1	260			1	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	53	106549	Male	4	Mohawk River	20	1	260			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	13	106620	Undetermined	4	Mohawk River	24	1	260			4	1	6/10/1999	6/10/1999	75	1.25	Hours	Angling	43	Amsterdam Region	3	28	3	7
Blueback Herring	1	106636	Male	4	Mohawk River	20	1	260			2	9	6/16/1999	6/16/1999	210	3.5	Hours	Angling	43	Amsterdam Region	2	35	3	
Blueback Herring	1	105172	Female	4	Mohawk River	16	1	260			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	69	105240	Male	4	Mohawk River	20	1	260			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	109	105280	Female	4	Mohawk River	16	1	260			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	121	105292	Female	4	Mohawk River	16	1	260			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	175	105346	Male	4	Mohawk River	20	1	260			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	284	105455	Female	4	Mohawk River	16	1	260			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	102	105576	Male	4	Mohawk River	20	1	260			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	114	105588	Female	4	Mohawk River	16	1	260			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	130	105604	Female	4	Mohawk River	16	1	260			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	2	105689	Male	4	Mohawk River	20	1	260			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	123	105809	Female	4	Mohawk River	16	1	260			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	143	105830	Male	4	Mohawk River	20	1	260			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	180	105867	Male	4	Mohawk River	20	1	260			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	204	105891	Male	4	Mohawk River	20	1	260			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	6	105998	Male	4	Mohawk River	20	1	260			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	54	107146	Male	4	Mohawk River	20	1	260			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	288	107658	Female	4	Mohawk River	16	1	260			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	278	107427	Female	4	Mohawk River	16	1	260			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	301	107450	Male	4	Mohawk River	20	1	260			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	311	107460	Female	4	Mohawk River	16	1	260			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	348	107497	Male	4	Mohawk River	20	1	260			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	40		Female	4	Mohawk River	16	1	260	151	122.5	1	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	135	107862	Female	4	Mohawk River	16	1	260			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	281	110353	Male	4	Mohawk River	20	1	260			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	408		Male	4	Mohawk River	20	1	260			2	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	461		Male	4	Mohawk River	20	1	260			2	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	31	110031	Female	4	Mohawk River	16	1	260			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	72	110072	Female	4	Mohawk River	16	1	260			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	102	110102	Female	4	Mohawk River	16	1	260			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	111	110111	Undetermined	4	Mohawk River	24	1	260			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	234	110234	Undetermined	4	Mohawk River	24	1	260			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	244	110244	Female	4	Mohawk River	16	1	260			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	247	110247	Female	4	Mohawk River	16	1	260			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	287	110287	Male	4	Mohawk River	20	1	260			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	301	110301	Female	4	Mohawk River	16	1	260			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	63	110772	Female	4	Mohawk River	16	1	260			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	65	110774	Male	4	Mohawk River	20	1	260			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	68	110777	Male	4	Mohawk River	20	1	260			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	72	110558	Undetermined	4	Mohawk River	24	1	260			4	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	42	111039	Female	4	Mohawk River	16	1	260			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	75	111070	Female	4	Mohawk River	16	1	260			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	193	111182	Male	4	Mohawk River	20	1	260			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	283	111268	Female	4	Mohawk River	16	1	260			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	286	111271	Undetermined	4	Mohawk River	24	1	260			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	38	108045	Female	4	Mohawk River	16	1	260			1	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	72	110662	Undetermined	4	Mohawk River	24	1	260			4	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	14	110679	Undetermined	4	Mohawk River	24	1	260			4	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	48	110711	Female	4	Mohawk River	16	1	260			1	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	49	111328	Undetermined	4	Mohawk River	24	1	260			4	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	69	111426	Female	4	Mohawk River	16	1	260			1	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	36		Female	4	Mohawk River	16	1	260	134	125.7	1	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	3	111501	Male	4	Mohawk River	20	1	260			3	1	6/7/1999	6/7/1999	20	0.333333333	Hours	Scap net/Lift net	41	Waterford Region	2	1	3	9
Blueback Herring	15	111516	Female	4	Mohawk River	16	1	260			1	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	39	111538	Female	4	Mohawk River	16	1	260			1	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	9		Male	4	Mohawk River	20	1	260	124.5	115.3	2	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	21		Female	4	Mohawk River	16	1	260	128	117.4	1	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	16		Male	4	Mohawk River	20	1	260	109.7	105.5	3	3	6/22/1999	6/22/1999	20	0.333333333	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	2		Female	4	Mohawk River	16	1	260	120.5	106.1	1	3	6/23/1999	6/23/1999	20	0.333333333	Hours	Angling	45	Little Falls River	5	70	3	
Blueback Herring	84	115434	Female	4	Mohawk River	16	1	260			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	100	115450	Male	4	Mohawk River	20	1	260			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	101	115451	Male	4	Mohawk River	20	1	260			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	21	116058	Female	4	Mohawk River	16	1	260			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	78	116115	Male	4	Mohawk River	20	1	260			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	88	116125	Female	4	Mohawk River	16	1	260			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	113	116150	Female	4	Mohawk River	16	1	260			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	128	116165	Female	4	Mohawk River	16	1	260			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	164	116201	Female	4	Mohawk River	16	1	260			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	180	116217	Male	4	Mohawk River	20	1	260			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	193	116230	Female	4	Mohawk River	16	1	260			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	229	116266	Male	4	Mohawk River	20	1	260			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	13		Female	4	Mohawk River	16	1	260	137.2	110.3	1	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	16		Female	4	Mohawk River	16	1	260	136.5	114	1	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	44	117393	Female	4	Mohawk River	16	1	260			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	55	117625	Female	4	Mohawk River	16	1	260			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	84	117654	Female	4	Mohawk River	16	1	260			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	86	117656	Male	4	Mohawk River	20	1	260			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	104	117674	Male	4	Mohawk River	20	1	260			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	128	117698	Female	4	Mohawk River	16	1	260			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	34		Male	4	Mohawk River	20	1	260	146.6	130.2	2	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	42		Male	4	Mohawk River	20	1	260	154.6	137.3	2	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	2	118006	Female	4	Mohawk River	16	1	260			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	20	118024	Female	4	Mohawk River	16	1	260			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	29	118033	Female	4	Mohawk River	16	1	260			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	80	118084	Female	4	Mohawk River	16	1	260			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	83	118087	Male	4	Mohawk River	20	1	260			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	102	118106	Female	4	Mohawk River	16	1	260			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	36	118146	Male	4	Mohawk River	20	1	260			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	43	118153	Male	4	Mohawk River	20	1	260			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	79	118189	Female	4	Mohawk River	16	1	260			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	7	118221	Female	4	Mohawk River	16	1	260			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	35	118249	Female	4	Mohawk River	16	1	260			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	63	118277	Female	4	Mohawk River	16	1	260			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	65	118279	Female	4	Mohawk River	16	1	260			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	73	118287	Female	4	Mohawk River	16	1	260			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	74	118288	Male	4	Mohawk River	20	1	260			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	100	118314	Male	4	Mohawk River	20	1	260			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	115	118329	Female	4	Mohawk River	16	1	260			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	142	118356	Female	4	Mohawk River	16	1	260			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	162		Female	4	Mohawk River	16	1	260	148.7	117.4	1	3	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	12	118376	Female	4	Mohawk River	16	1	260			1	1	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	16	118380	Male	4	Mohawk River	20	1	260			2	1	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	36		Female	4	Mohawk River	16	1	260	129.3	118.5	1	3	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	18	118412	Female	4	Mohawk River	16	1	260			1	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	32	118426	Female	4	Mohawk River	16	1	260			1	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	20	118446	Female	4	Mohawk River	16	1	260			1	1	6/5/2000	6/5/2000	190	9.5	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	10	117808	Female	4	Mohawk River	16	1	260			1	1	6/13/2000	6/13/2000	220	11	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	1	117838	Male	4	Mohawk River	20	1	260			3	1	6/14/2000	6/14/2000	75	2.5	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	37		Male	4	Mohawk River	20	1	260			2	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	51		Male	4	Mohawk River	20	1	260			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	52		Male	4	Mohawk River	20	1	260			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	70		Female	4	Mohawk River	16	1	260			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	41		Male	4	Mohawk River	20	1	260			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	73		Male	4	Mohawk River	20	1	260			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	81		Male	4	Mohawk River	20	1	260			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	112		Undetermined	4	Mohawk River	24	1	260			4	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	135		Female	4	Mohawk River	16	1	260			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	201		Male	4	Mohawk River	20	1	260			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	259		Female	4	Mohawk River	16	1	260			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	315		Male	4	Mohawk River	20	1	260			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	18		Male	4	Mohawk River	20	1	260			2	6	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	20	121536	Female	4	Mohawk River	16	1	260			1	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	35	121549	Male	4	Mohawk River	20	1	260			2	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	14		Male	4	Mohawk River	20	1	260			2	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	30		Male	4	Mohawk River	20	1	260			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	123		Male	4	Mohawk River	20	1	260			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	132		Female	4	Mohawk River	16	1	260			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	15		Female	4	Mohawk River	16	1	260	153	128.5	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	39		Male	4	Mohawk River	20	1	260	140.8	127.1	2	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	52		Male	4	Mohawk River	20	1	260	156.3	139.3	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	61		Male	4	Mohawk River	20	1	260	155.5	139.7	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	79		Female	4	Mohawk River	16	1	260	161.6	135.2	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	15		Female	4	Mohawk River	16	1	260			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	61		Male	4	Mohawk River	20	1	260			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	71		Male	4	Mohawk River	20	1	260			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	76		Male	4	Mohawk River	20	1	260			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	2		Female	4	Mohawk River	16	1	260			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	46		Female	4	Mohawk River	16	1	260			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	66		Female	4	Mohawk River	16	1	260			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	72		Female	4	Mohawk River	16	1	260			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	83		Female	4	Mohawk River	16	1	260			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	119		Female	4	Mohawk River	16	1	260			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	7		Male	4	Mohawk River	20	1	260			2	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	21		Female	4	Mohawk River	16	1	260			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	29		Male	4	Mohawk River	20	1	260			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	35		Male	4	Mohawk River	20	1	260			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	81		Female	4	Mohawk River	16	1	260			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	85		Male	4	Mohawk River	20	1	260			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	51		Female	4	Mohawk River	16	1	260	139.3	125.1	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	54		Male	4	Mohawk River	20	1	260	136.3	122.7	2	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	90		Male	4	Mohawk River	20	1	260	143.9	129.1	2	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	12		Female	4	Mohawk River	16	1	260			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	27		Male	4	Mohawk River	20	1	260			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	35		Female	4	Mohawk River	16	1	260			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	53		Female	4	Mohawk River	16	1	260			3	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	79		Female	4	Mohawk River	16	1	260			3	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	118		Female	4	Mohawk River	16	1	260			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	11		Male	4	Mohawk River	20	1	260			3	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	38		Undetermined	4	Mohawk River	24	1	260			4	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	86		Female	4	Mohawk River	16	1	260	136.5	124.3	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	25		Male	4	Mohawk River	20	1	260			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	27		Male	4	Mohawk River	20	1	260			3	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	43		Female	4	Mohawk River	16	1	260			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	68		Male	4	Mohawk River	20	1	260			2	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	84		Male	4	Mohawk River	20	1	260			2	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	118		Male	4	Mohawk River	20	1	260			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	65		Female	4	Mohawk River	16	1	260	138.5	127.6	3	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	83		Male	4	Mohawk River	20	1	260	128.1	117.4	2	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	13	120639	Female	4	Mohawk River	16	1	260			1	1	5/29/2001	5/29/2001	14	0.233333333	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	92	100458	Female	4	Mohawk River	16	1	261			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	6	100472	Female	4	Mohawk River	16	1	261			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	38	100504	Female	4	Mohawk River	16	1	261			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	49	100515	Undetermined	4	Mohawk River	24	1	261			4	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	83	100549	Male	4	Mohawk River	20	1	261			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	81	100636	Female	4	Mohawk River	16	1	261			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	103		Female	4	Mohawk River	16	1	261			1	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	86		Undetermined	4	Mohawk River	24	1	261			4	6	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	247	109101	Undetermined	4	Mohawk River	24	1	261			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	3	109129	Female	4	Mohawk River	16	1	261			1	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	14	101082	Male	4	Mohawk River	20	1	261			2	1	5/12/1999	5/12/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	85	101178	Male	4	Mohawk River	20	1	261			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	232	101442	Male	4	Mohawk River	20	1	261			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	233	101443	Female	4	Mohawk River	16	1	261			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	16	101483	Female	4	Mohawk River	16	1	261			1	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	20		Male	4	Mohawk River	20	1	261			2	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	43	104246	Female	4	Mohawk River	16	1	261			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	88	104291	Female	4	Mohawk River	16	1	261			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	182	104385	Male	4	Mohawk River	20	1	261			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	226	104429	Female	4	Mohawk River	16	1	261			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	285	104488	Male	4	Mohawk River	20	1	261			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	340	104543	Female	4	Mohawk River	16	1	261			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	343	104546	Female	4	Mohawk River	16	1	261			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	346	104549	Female	4	Mohawk River	16	1	261			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	366	104569	Female	4	Mohawk River	16	1	261			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	369	104572	Female	4	Mohawk River	16	1	261			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	395	104598	Female	4	Mohawk River	16	1	261			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	408	104611	Female	4	Mohawk River	16	1	261			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	19	104632	Female	4	Mohawk River	16	1	261			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	63	104676	Male	4	Mohawk River	20	1	261			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	38	104866	Male	4	Mohawk River	20	1	261			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	24	106520	Female	4	Mohawk River	16	1	261			1	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	21	106561	Female	4	Mohawk River	16	1	261			1	9	6/4/1999	6/4/1999	15			Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	2	106591	Male	4	Mohawk River	20	1	261			2	1	6/9/1999	6/9/1999	63	1.05	Hours	Angling	44	Schoharie Region	2	52	3	1
Blueback Herring	18	106653	Male	4	Mohawk River	20	1	261			2	9	6/16/1999	6/16/1999	210	3.5	Hours	Angling	43	Amsterdam Region	2	35	3	
Blueback Herring	28	105199	Female	4	Mohawk River	16	1	261			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	79	105250	Male	4	Mohawk River	20	1	261			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	103	105274	Female	4	Mohawk River	16	1	261			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	4	105478	Female	4	Mohawk River	16	1	261			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	18	105492	Female	4	Mohawk River	16	1	261			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	20	105494	Male	4	Mohawk River	20	1	261			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	42	105516	Female	4	Mohawk River	16	1	261			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	58	105532	Male	4	Mohawk River	20	1	261			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	63	105537	Female	4	Mohawk River	16	1	261			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	64	105538	Female	4	Mohawk River	16	1	261			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	86	105560	Female	4	Mohawk River	16	1	261			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	95	105569	Female	4	Mohawk River	16	1	261			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	129	105603	Female	4	Mohawk River	16	1	261			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	95	105781	Female	4	Mohawk River	16	1	261			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	203	105890	Female	4	Mohawk River	16	1	261			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	1	105970	Undetermined	4	Mohawk River	24	1	261			4	1	5/28/1999	5/28/1999	30	0.5	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	10	105979	Male	4	Mohawk River	20	1	261			3	1	5/28/1999	5/28/1999	30	0.5	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	48	107140	Female	4	Mohawk River	16	1	261			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	230	107601	Female	4	Mohawk River	16	1	261			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	109	107258	Female	4	Mohawk River	16	1	261			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	159	107308	Male	4	Mohawk River	20	1	261			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	216	107365	Female	4	Mohawk River	16	1	261			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	274	107423	Female	4	Mohawk River	16	1	261			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	195	107920	Male	4	Mohawk River	20	1	261			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	247	107971	Female	4	Mohawk River	16	1	261			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	409	110479	Male	4	Mohawk River	20	1	261			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	98	110098	Female	4	Mohawk River	16	1	261			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	147	110147	Undetermined	4	Mohawk River	24	1	261			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	241	110241	Female	4	Mohawk River	16	1	261			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	293	110293	Undetermined	4	Mohawk River	24	1	261			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	31	110340	Male	4	Mohawk River	20	1	261			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	2		Male	4	Mohawk River	20	1	261			2	6	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	139	110623	Female	4	Mohawk River	16	1	261			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	290	111275	Female	4	Mohawk River	16	1	261			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	41	111320	Undetermined	4	Mohawk River	24	1	261			4	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	26	111387	Undetermined	4	Mohawk River	24	1	261			4	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	24		Female	4	Mohawk River	16	1	261	133.1	119.7	1	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	4		Male	4	Mohawk River	20	1	261	114.3	104.6	2	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	9		Female	4	Mohawk River	16	1	261	109.1	102.6	3	3	6/23/1999	6/23/1999	20	0.333333333	Hours	Angling	45	Little Falls River	5	70	3	
Blueback Herring	15	115365	Female	4	Mohawk River	16	1	261			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	25	115375	Male	4	Mohawk River	20	1	261			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	121	115471	Female	4	Mohawk River	16	1	261			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	144	115494	Female	4	Mohawk River	16	1	261			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	38	116075	Female	4	Mohawk River	16	1	261			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	152	116189	Female	4	Mohawk River	16	1	261			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	161	116198	Male	4	Mohawk River	20	1	261			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	220	116257	Male	4	Mohawk River	20	1	261			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	245	116282	Male	4	Mohawk River	20	1	261			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	12		Female	4	Mohawk River	16	1	261	175.4	142.4	1	3	5/11/2000	5/11/2000	15	0.25	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	3	2
Blueback Herring	32	116432	Female	4	Mohawk River	16	1	261			1	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	13		Female	4	Mohawk River	16	1	261	164.3	129.1	1	3	5/16/2000	5/16/2000	20	0.333333333	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	1	2
Blueback Herring	48	117397	Female	4	Mohawk River	16	1	261			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	59	117629	Female	4	Mohawk River	16	1	261			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	74	117644	Male	4	Mohawk River	20	1	261			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	119	117689	Male	4	Mohawk River	20	1	261			2	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	2	117798	Female	4	Mohawk River	16	1	261			1	1	6/12/2000	6/12/2000	50	0.833333333	Hours	ft. x 2.50 in. gill ne	42	Schenectady Region		29	3	9
Blueback Herring	4		Female	4	Mohawk River	16	1	261			1	9	6/1/2000	6/1/2000	70	1.166666667	Hours	Scap net/Lift net	41	Waterford Region		2	3	6
Blueback Herring	13	118017	Female	4	Mohawk River	16	1	261			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	46	118050	Female	4	Mohawk River	16	1	261			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	82	118086	Female	4	Mohawk River	16	1	261			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	96	118100	Male	4	Mohawk River	20	1	261			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	105	118109	Male	4	Mohawk River	20	1	261			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	17	118127	Male	4	Mohawk River	20	1	261			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	21	118131	Male	4	Mohawk River	20	1	261			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	34	118144	Female	4	Mohawk River	16	1	261			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	51	118161	Female	4	Mohawk River	16	1	261			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	88	118198	Female	4	Mohawk River	16	1	261			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	89	118199	Male	4	Mohawk River	20	1	261			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	86	118300	Female	4	Mohawk River	16	1	261			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	125	118339	Female	4	Mohawk River	16	1	261			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	17	118381	Female	4	Mohawk River	16	1	261			1	1	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	6	118400	Female	4	Mohawk River	16	1	261			1	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	13	118407	Female	4	Mohawk River	16	1	261			1	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	5	117803	Female	4	Mohawk River	16	1	261			1	1	6/13/2000	6/13/2000	220	11	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	20	117818	Female	4	Mohawk River	16	1	261			1	1	6/13/2000	6/13/2000	220	11	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	6	117830	Female	4	Mohawk River	16	1	261			1	1	6/13/2000	6/13/2000	175	8.75	Hours	Angling	44	Schoharie Region		53	3	9
Blueback Herring	11	117835	Female	4	Mohawk River	16	1	261			1	1	6/13/2000	6/13/2000	175	8.75	Hours	Angling	44	Schoharie Region		53	3	9
Blueback Herring	1		Male	4	Mohawk River	20	1	261	114.2	110.6	2	3	6/22/2000	6/22/2000	240	8	Hours	Angling	43	Amsterdam Region		39	3	9
Blueback Herring	12		Female	4	Mohawk River	16	1	261	137.1	114.2	1	3	6/22/2000	6/22/2000	240	8	Hours	Angling	43	Amsterdam Region		39	3	9
Blueback Herring	4		Female	4	Mohawk River	16	1	261			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	19		Female	4	Mohawk River	16	1	261			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	88		Male	4	Mohawk River	20	1	261			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	95		Male	4	Mohawk River	20	1	261			2	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	28		Male	4	Mohawk River	20	1	261			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	33		Male	4	Mohawk River	20	1	261			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	60		Male	4	Mohawk River	20	1	261			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	100		Female	4	Mohawk River	16	1	261			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	101		Male	4	Mohawk River	20	1	261			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	127		Female	4	Mohawk River	16	1	261			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	166		Female	4	Mohawk River	16	1	261			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	171		Male	4	Mohawk River	20	1	261			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	174		Male	4	Mohawk River	20	1	261			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	203		Female	4	Mohawk River	16	1	261			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	322		Female	4	Mohawk River	16	1	261			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	10	121278	Undetermined	4	Mohawk River	24	1	261			4	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	41	121555	Female	4	Mohawk River	16	1	261			1	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	11		Female	4	Mohawk River	16	1	261			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	51		Female	4	Mohawk River	16	1	261			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	80		Female	4	Mohawk River	16	1	261			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	103		Female	4	Mohawk River	16	1	261			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	106		Male	4	Mohawk River	20	1	261			2	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	4		Male	4	Mohawk River	20	1	261	152.9	134	2	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	53		Female	4	Mohawk River	16	1	261	142.2	124.9	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	83		Male	4	Mohawk River	20	1	261	161.4	140.9	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	59		Male	4	Mohawk River	20	1	261			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	138		Undetermined	4	Mohawk River	24	1	261			4	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	139		Female	4	Mohawk River	16	1	261			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	10		Female	4	Mohawk River	16	1	261			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	34		Female	4	Mohawk River	16	1	261			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	50		Female	4	Mohawk River	16	1	261			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	71		Female	4	Mohawk River	16	1	261			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	136		Male	4	Mohawk River	20	1	261			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	12		Female	4	Mohawk River	16	1	261	164.7	128.9	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	43		Female	4	Mohawk River	16	1	261	146.8	131.9	3	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	13		Female	4	Mohawk River	16	1	261			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	16		Undetermined	4	Mohawk River	24	1	261			4	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	20		Female	4	Mohawk River	16	1	261			3	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	53		Male	4	Mohawk River	20	1	261			3	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	4		Male	4	Mohawk River	20	1	261	137.1	125.3	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	67		Male	4	Mohawk River	20	1	261	142.4	129.7	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	55		Female	4	Mohawk River	16	1	261			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	7		Female	4	Mohawk River	16	1	261			3	6	6/6/2001	6/6/2001	60	3	Hours	Angling	43	Amsterdam Region		34	3	9
Blueback Herring	5		Female	4	Mohawk River	16	1	261	121.4	110.3	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	49		Female	4	Mohawk River	16	1	261	119.6	115.7	3	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	58		Female	4	Mohawk River	16	1	261	118.1	113.9	3	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	72		Female	4	Mohawk River	16	1	261	141.1	120.1	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	15	100381	Female	4	Mohawk River	16	1	262			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	83	100449	Female	4	Mohawk River	16	1	262			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	10	100476	Male	4	Mohawk River	20	1	262			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	54	100520	Male	4	Mohawk River	20	1	262			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	68	100534	Male	4	Mohawk River	20	1	262			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	31	100587	Female	4	Mohawk River	16	1	262			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	118	100982	Male	4	Mohawk River	20	1	262			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	261		Female	4	Mohawk River	16	1	262	122.4	118.1	1	3	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	20	109125	Undetermined	4	Mohawk River	24	1	262			4	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	14	109140	Female	4	Mohawk River	16	1	262			1	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	25	109151	Male	4	Mohawk River	20	1	262			2	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	61	101154	Male	4	Mohawk River	20	1	262			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	66	101159	Female	4	Mohawk River	16	1	262			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	68	101161	Female	4	Mohawk River	16	1	262			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	105	101198	Female	4	Mohawk River	16	1	262			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	115	101209	Female	4	Mohawk River	16	1	262			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	8	101218	Female	4	Mohawk River	16	1	262			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	36	101246	Female	4	Mohawk River	16	1	262			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	95	101305	Female	4	Mohawk River	16	1	262			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	107	101317	Male	4	Mohawk River	20	1	262			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	185	101395	Female	4	Mohawk River	16	1	262			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	199	101409	Male	4	Mohawk River	20	1	262			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	205	101415	Male	4	Mohawk River	20	1	262			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	8	101475	Female	4	Mohawk River	16	1	262			1	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	14	101481	Female	4	Mohawk River	16	1	262			1	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	26	101493	Female	4	Mohawk River	16	1	262			1	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	22	104022	Female	4	Mohawk River	16	1	262			1	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	41	104041	Female	4	Mohawk River	16	1	262			1	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	4		Male	4	Mohawk River	20	1	262			2	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	22	104154	Female	4	Mohawk River	16	1	262			1	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	14	104217	Female	4	Mohawk River	16	1	262			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	21	104224	Female	4	Mohawk River	16	1	262			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	33	104236	Female	4	Mohawk River	16	1	262			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	61	104264	Male	4	Mohawk River	20	1	262			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	97	104300	Female	4	Mohawk River	16	1	262			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	169	104372	Female	4	Mohawk River	16	1	262			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	178	104381	Female	4	Mohawk River	16	1	262			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	183	104386	Female	4	Mohawk River	16	1	262			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	185	104388	Female	4	Mohawk River	16	1	262			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	190	104393	Female	4	Mohawk River	16	1	262			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	191	104394	Male	4	Mohawk River	20	1	262			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	215	104418	Male	4	Mohawk River	20	1	262			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	238	104441	Male	4	Mohawk River	20	1	262			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	284	104487	Female	4	Mohawk River	16	1	262			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	331	104534	Female	4	Mohawk River	16	1	262			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	356	104559	Female	4	Mohawk River	16	1	262			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	3		Female	4	Mohawk River	16	1	262	147.2	118.4	1	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	46		Female	4	Mohawk River	16	1	262	150.7	122.1	1	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	96	104709	Female	4	Mohawk River	16	1	262			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	41		Male	4	Mohawk River	20	1	262	120.5	110.4	2	3	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	24	104852	Female	4	Mohawk River	16	1	262			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	39	104867	Female	4	Mohawk River	16	1	262			1	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	7	104938	Female	4	Mohawk River	16	1	262			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	152	106083	Female	4	Mohawk River	16	1	262			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	366	106298	Female	4	Mohawk River	16	1	262			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	3	106499	Female	4	Mohawk River	16	1	262			1	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	8		Female	4	Mohawk River	16	1	262			1	9	6/4/1999	6/4/1999	15			Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	15		Male	4	Mohawk River	20	1	262	125.5	114.4	2	3	6/15/1999	6/15/1999				Angling	43	Amsterdam Region	2	28	3	
Blueback Herring	20	105191	Female	4	Mohawk River	16	1	262			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	108	105279	Female	4	Mohawk River	16	1	262			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	178	105349	Female	4	Mohawk River	16	1	262			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	182	105353	Female	4	Mohawk River	16	1	262			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	231	105402	Female	4	Mohawk River	16	1	262			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	245	105416	Male	4	Mohawk River	20	1	262			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	261	105432	Female	4	Mohawk River	16	1	262			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	26	105500	Male	4	Mohawk River	20	1	262			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	118	105592	Male	4	Mohawk River	20	1	262			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	40	105727	Female	4	Mohawk River	16	1	262			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	89	105775	Male	4	Mohawk River	20	1	262			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	113	105799	Female	4	Mohawk River	16	1	262			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	128	105814	Female	4	Mohawk River	16	1	262			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	205	107576	Female	4	Mohawk River	16	1	262			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	239	107609	Female	4	Mohawk River	16	1	262			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	269	107639	Male	4	Mohawk River	20	1	262			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	60	107059	Female	4	Mohawk River	16	1	262			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	67	107066	Male	4	Mohawk River	20	1	262			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	111	107260	Female	4	Mohawk River	16	1	262			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	256	107405	Female	4	Mohawk River	16	1	262			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	258	107407	Female	4	Mohawk River	16	1	262			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	370	107717	Male	4	Mohawk River	20	1	262			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	84	107811	Male	4	Mohawk River	20	1	262			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	272		Female	4	Mohawk River	16	1	262			3	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	451	110519	Female	4	Mohawk River	16	1	262			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	457	110525	Female	4	Mohawk River	16	1	262			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	25	110025	Female	4	Mohawk River	16	1	262			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	85	110085	Male	4	Mohawk River	20	1	262			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	17	110326	Female	4	Mohawk River	16	1	262			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	172	110877	Undetermined	4	Mohawk River	24	1	262			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	9	108056	Female	4	Mohawk River	16	1	262			1	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	23	108070	Female	4	Mohawk River	16	1	262			1	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	67		Undetermined	4	Mohawk River	24	1	262			4	6	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	78	110667	Male	4	Mohawk River	20	1	262			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	31		Female	4	Mohawk River	16	1	262			1	6	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	15		Male	4	Mohawk River	20	1	262			2	6	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	22		Female	4	Mohawk River	16	1	262	140.6	115.5	1	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	32		Male	4	Mohawk River	20	1	262	123.1	117.2	2	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	20		Male	4	Mohawk River	20	1	262	114.5	111.2	2	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	30		Female	4	Mohawk River	16	1	262	119.2	115.2	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	7	115357	Male	4	Mohawk River	20	1	262			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	30	115380	Female	4	Mohawk River	16	1	262			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	37	115387	Male	4	Mohawk River	20	1	262			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	13	116050	Female	4	Mohawk River	16	1	262			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	24	116061	Female	4	Mohawk River	16	1	262			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	55	116092	Male	4	Mohawk River	20	1	262			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	125	116162	Female	4	Mohawk River	16	1	262			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	126	116163	Male	4	Mohawk River	20	1	262			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	127	116164	Male	4	Mohawk River	20	1	262			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	259	116296	Female	4	Mohawk River	16	1	262			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	21		Male	4	Mohawk River	20	1	262	168.4	148.9	2	3	5/11/2000	5/11/2000	15	0.25	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	3	2
Blueback Herring	10		Female	4	Mohawk River	16	1	262	165.7	133.5	1	3	5/16/2000	5/16/2000	20	0.333333333	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	1	2

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	7		Female	4	Mohawk River	16	1	262	155.6	123.3	1	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	8		Female	4	Mohawk River	16	1	262	134.8	120	1	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	40		Male	4	Mohawk River	20	1	262	145.9	131.4	2	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	101	118105	Female	4	Mohawk River	16	1	262			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	1	118111	Male	4	Mohawk River	20	1	262			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	28	118138	Female	4	Mohawk River	16	1	262			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	50	118160	Female	4	Mohawk River	16	1	262			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	81	118191	Female	4	Mohawk River	16	1	262			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	18	118232	Female	4	Mohawk River	16	1	262			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	24	118238	Male	4	Mohawk River	20	1	262			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	25	118239	Male	4	Mohawk River	20	1	262			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	42	118256	Female	4	Mohawk River	16	1	262			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	54	118268	Male	4	Mohawk River	20	1	262			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	68	118282	Female	4	Mohawk River	16	1	262			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	85	118299	Undetermined	4	Mohawk River	24	1	262			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	91	118305	Female	4	Mohawk River	16	1	262			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	113	118327	Male	4	Mohawk River	20	1	262			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	167		Female	4	Mohawk River	16	1	262	150.7	123.5	1	3	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	22	118386	Female	4	Mohawk River	16	1	262			1	1	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	1	118395	Female	4	Mohawk River	16	1	262			1	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	4	118398	Male	4	Mohawk River	20	1	262			2	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	23	118417	Female	4	Mohawk River	16	1	262			1	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	4	118430	Male	4	Mohawk River	20	1	262			2	1	6/5/2000	6/5/2000	190	9.5	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	10	118436	Male	4	Mohawk River	20	1	262			2	1	6/5/2000	6/5/2000	190	9.5	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	11		Female	4	Mohawk River	16	1	262	162.1	134.7	1	3	6/13/2000	6/13/2000	155	2.583333333	Hours	Angling	44	Schoharie Region		53	3	9
Blueback Herring	6	117865	Female	4	Mohawk River	16	1	262			4	1	6/21/2000	6/21/2000	310	10.33333333	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	24		Male	4	Mohawk River	20	1	262			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	43		Male	4	Mohawk River	20	1	262			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	32		Male	4	Mohawk River	20	1	262			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	94		Male	4	Mohawk River	20	1	262			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	27		Female	4	Mohawk River	16	1	262			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	69		Male	4	Mohawk River	20	1	262			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	77		Male	4	Mohawk River	20	1	262			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	126		Male	4	Mohawk River	20	1	262			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	132		Male	4	Mohawk River	20	1	262			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	134		Male	4	Mohawk River	20	1	262			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	208		Male	4	Mohawk River	20	1	262			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	276		Female	4	Mohawk River	16	1	262			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	1	121269	Male	4	Mohawk River	20	1	262			2	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	92	121355	Undetermined	4	Mohawk River	24	1	262			4	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	11	121530	Female	4	Mohawk River	16	1	262			1	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	66		Male	4	Mohawk River	20	1	262			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	117		Female	4	Mohawk River	16	1	262			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	125		Female	4	Mohawk River	16	1	262			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	131		Female	4	Mohawk River	16	1	262			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	141		Male	4	Mohawk River	20	1	262			2	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	27		Female	4	Mohawk River	16	1	262	168.9	140.7	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	67		Female	4	Mohawk River	16	1	262	166.1	132.8	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	76		Female	4	Mohawk River	16	1	262	162.9	136	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	122		Female	4	Mohawk River	16	1	262			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	123		Male	4	Mohawk River	20	1	262			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	144		Female	4	Mohawk River	16	1	262			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	177		Female	4	Mohawk River	16	1	262			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	192		Male	4	Mohawk River	20	1	262			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	202		Female	4	Mohawk River	16	1	262			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	44		Female	4	Mohawk River	16	1	262			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	98		Female	4	Mohawk River	16	1	262			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	5		Female	4	Mohawk River	16	1	262			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	40		Female	4	Mohawk River	16	1	262			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	51		Male	4	Mohawk River	20	1	262			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	52		Female	4	Mohawk River	16	1	262			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	91		Female	4	Mohawk River	16	1	262	167.7	130.8	2	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	107		Female	4	Mohawk River	16	1	262	145.3	133.4	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	46		Female	4	Mohawk River	16	1	262			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	84		Female	4	Mohawk River	16	1	262			3	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	17		Male	4	Mohawk River	20	1	262			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	1		Female	4	Mohawk River	16	1	262	144	121.7	3	3	5/31/2001	5/31/2001	83	4.15	Hours	Angling	45	Little Falls River		78	3	9
Blueback Herring	8		Undetermined	4	Mohawk River	24	1	262			4	6	5/31/2001	5/31/2001	75	3.75	Hours	Angling	44	Schoharie Region		63	3	9
Blueback Herring	11		Female	4	Mohawk River	16	1	262	170.7	130.7	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	25		Male	4	Mohawk River	20	1	262	126.5	117.5	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	81		Female	4	Mohawk River	16	1	262	133.9	113.6	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	8		Male	4	Mohawk River	20	1	262			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	9		Male	4	Mohawk River	20	1	262			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	77		Female	4	Mohawk River	16	1	262			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9

Adult BBH Data

															Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	129		Male	4	Mohawk River	20	1	262			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	137		Male	4	Mohawk River	20	1	262			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	150		Female	4	Mohawk River	16	1	262			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	7		Female	4	Mohawk River	16	1	262	141.2	117.1	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	42		Female	4	Mohawk River	16	1	262	170.3	127	2	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	60		Male	4	Mohawk River	20	1	262	131.6	127.5	3	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	5		Female	4	Mohawk River	16	1	262			1	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	24		Male	4	Mohawk River	20	1	262			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	31		Male	4	Mohawk River	20	1	262			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	33		Female	4	Mohawk River	16	1	262			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	23		Undetermined	4	Mohawk River	24	1	262			4	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	41		Male	4	Mohawk River	20	1	262			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	70		Female	4	Mohawk River	16	1	262			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	11	120617	Female	4	Mohawk River	16	1	262			1	1	5/29/2001	5/29/2001	10	0.166666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	1	120627	Male	4	Mohawk River	20	1	262			2	1	5/29/2001	5/29/2001	14	0.233333333	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	10	120636	Male	4	Mohawk River	20	1	262			2	1	5/29/2001	5/29/2001	14	0.233333333	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	54	100420	Female	4	Mohawk River	16	1	263			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	3	100469	Female	4	Mohawk River	16	1	263			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	29	100495	Female	4	Mohawk River	16	1	263			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	70	100536	Female	4	Mohawk River	16	1	263			3	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	155	100791	Female	4	Mohawk River	16	1	263			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	176	100810	Female	4	Mohawk River	16	1	263			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	65		Male	4	Mohawk River	20	1	263			3	6	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	212	109066	Male	4	Mohawk River	20	1	263			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	263		Female	4	Mohawk River	16	1	263	120.3	117.9	3	3	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	3	109115	Female	4	Mohawk River	16	1	263			3	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	6	101048	Male	4	Mohawk River	20	1	263			2	1	5/11/1999	5/11/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	21	101063	Female	4	Mohawk River	16	1	263			1	1	5/11/1999	5/11/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	42	101135	Female	4	Mohawk River	16	1	263			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	44	101137	Female	4	Mohawk River	16	1	263			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	94	101187	Male	4	Mohawk River	20	1	263			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	135	101345	Male	4	Mohawk River	20	1	263			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	212	101422	Female	4	Mohawk River	16	1	263			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	229	101439	Female	4	Mohawk River	16	1	263			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	52		Female	4	Mohawk River	16	1	263	167.9	137.6	1	3	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	14	104014	Female	4	Mohawk River	16	1	263			1	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	3	104043	Female	4	Mohawk River	16	1	263			1	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	39		Female	4	Mohawk River	16	1	263	161.5	135.3	2	3	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	29	104161	Male	4	Mohawk River	20	1	263			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	53	104256	Female	4	Mohawk River	16	1	263			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	62	104265	Female	4	Mohawk River	16	1	263			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	112	104315	Female	4	Mohawk River	16	1	263			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	184	104387	Female	4	Mohawk River	16	1	263			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	243	104446	Female	4	Mohawk River	16	1	263			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	280	104483	Female	4	Mohawk River	16	1	263			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	303	104506	Female	4	Mohawk River	16	1	263			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	404	104607	Female	4	Mohawk River	16	1	263			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	16		Female	4	Mohawk River	16	1	263	141.2	122	1	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	32		Male	4	Mohawk River	20	1	263	151	135.9	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	58		Female	4	Mohawk River	16	1	263	160.4	129.9	1	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	46	104659	Female	4	Mohawk River	16	1	263			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	3	104738	Female	4	Mohawk River	16	1	263			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	14	104791	Female	4	Mohawk River	16	1	263			1	1	5/26/1999	5/26/1999	100	1.666666667	Hours	Angling	43	Amsterdam Region	2	34	3	
Blueback Herring	17	104845	Male	4	Mohawk River	20	1	263			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	48	104979	Female	4	Mohawk River	16	1	263			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	184	106115	Female	4	Mohawk River	16	1	263			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	280	106212	Female	4	Mohawk River	16	1	263			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	283	106215	Female	4	Mohawk River	16	1	263			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	341	106273	Female	4	Mohawk River	16	1	263			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	26	106522	Male	4	Mohawk River	20	1	263			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	33	106529	Female	4	Mohawk River	16	1	263			1	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	47	105218	Male	4	Mohawk River	20	1	263			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	75	105246	Female	4	Mohawk River	16	1	263			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	78	105249	Female	4	Mohawk River	16	1	263			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	100	105271	Female	4	Mohawk River	16	1	263			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	183	105354	Male	4	Mohawk River	20	1	263			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	208	105379	Male	4	Mohawk River	20	1	263			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	209	105380	Female	4	Mohawk River	16	1	263			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	228	105399	Female	4	Mohawk River	16	1	263			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	266	105437	Male	4	Mohawk River	20	1	263			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	286	105457	Female	4	Mohawk River	16	1	263			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	162	105635	Female	4	Mohawk River	16	1	263			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	39	105726	Female	4	Mohawk River	16	1	263			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9

Adult BBH Data

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SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	53	107145	Male	4	Mohawk River	20	1	263			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	58	107150	Female	4	Mohawk River	16	1	263			3	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	201	107572	Female	4	Mohawk River	16	1	263			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	237	107607	Female	4	Mohawk River	16	1	263			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	254	107624	Female	4	Mohawk River	16	1	263			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	53	107052	Female	4	Mohawk River	16	1	263			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	73	107072	Female	4	Mohawk River	16	1	263			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	171	107320	Female	4	Mohawk River	16	1	263			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	186	107335	Male	4	Mohawk River	20	1	263			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	310	107459	Female	4	Mohawk River	16	1	263			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	329	107478	Male	4	Mohawk River	20	1	263			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	70	107799	Male	4	Mohawk River	20	1	263			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	133	107860	Undetermined	4	Mohawk River	24	1	263			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	152	107879	Female	4	Mohawk River	16	1	263			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	390	110461	Male	4	Mohawk River	20	1	263			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	145	110145	Female	4	Mohawk River	16	1	263			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	164	110164	Female	4	Mohawk River	16	1	263			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	165	110165	Undetermined	4	Mohawk River	24	1	263			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	249	110249	Undetermined	4	Mohawk River	24	1	263			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	253	110253	Female	4	Mohawk River	16	1	263			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	16	110325	Female	4	Mohawk River	16	1	263			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	3	110941	Female	4	Mohawk River	16	1	263			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	6	110944	Female	4	Mohawk River	16	1	263			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	59	110995	Female	4	Mohawk River	16	1	263			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	88	110573	Male	4	Mohawk River	20	1	263			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	138	111129	Female	4	Mohawk River	16	1	263			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	238	111225	Female	4	Mohawk River	16	1	263			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	2	108002	Undetermined	4	Mohawk River	24	1	263			4	1	6/7/1999	6/7/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	29	108036	Female	4	Mohawk River	16	1	263			1	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	54	111413	Male	4	Mohawk River	20	1	263			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	7		Female	4	Mohawk River	16	1	263	136.1	124.2	1	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	8		Female	4	Mohawk River	16	1	263	152.1	124.4	1	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	12		Male	4	Mohawk River	20	1	263			2	6	6/8/1999	6/8/1999				Angling	41	Waterford Region	2	1	3	9
Blueback Herring	25		Female	4	Mohawk River	16	1	263	123.4	113	1	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	12		Male	4	Mohawk River	20	1	263			2	6	6/17/1999	6/17/1999	55	0.916666667	Hours	Angling	44	Schoharie Region	3	61	3	
Blueback Herring	1		Male	4	Mohawk River	20	1	263			2	6	6/17/1999	6/17/1999	45	0.75	Hours	Scap net/Lift net	44	Schoharie Region	3	61	3	
Blueback Herring	7		Male	4	Mohawk River	20	1	263			2	6	6/17/1999	6/17/1999	60	1	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	66	115416	Female	4	Mohawk River	16	1	263			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	108	115458	Male	4	Mohawk River	20	1	263			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	118	115468	Male	4	Mohawk River	20	1	263			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	127	115477	Male	4	Mohawk River	20	1	263			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	6	116043	Female	4	Mohawk River	16	1	263			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	19	116056	Undetermined	4	Mohawk River	24	1	263			4	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	35	116072	Female	4	Mohawk River	16	1	263			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	40	116077	Female	4	Mohawk River	16	1	263			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	144	116181	Male	4	Mohawk River	20	1	263			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	179	116216	Female	4	Mohawk River	16	1	263			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	188	116225	Female	4	Mohawk River	16	1	263			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	256	116293	Undetermined	4	Mohawk River	24	1	263			4	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	2		Female	4	Mohawk River	16	1	263	166.7	138.1	1	3	5/11/2000	5/11/2000	15	0.25	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	3	2
Blueback Herring	30		Female	4	Mohawk River	16	1	263	143.3	112	1	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	43	117392	Female	4	Mohawk River	16	1	263			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	93	117663	Female	4	Mohawk River	16	1	263			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	142	117712	Female	4	Mohawk River	16	1	263			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	7	117754	Female	4	Mohawk River	16	1	263			2	9	6/1/2000	6/1/2000	70	1.166666667	Hours	Scap net/Lift net	41	Waterford Region		2	3	6
Blueback Herring	17		Female	4	Mohawk River	16	1	263	168.8	132.8	1	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	26		Male	4	Mohawk River	20	1	263	146.8	133	2	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	55	118059	Male	4	Mohawk River	20	1	263			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	52	118162	Male	4	Mohawk River	20	1	263			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	53	118163	Female	4	Mohawk River	16	1	263			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	102	118212	Female	4	Mohawk River	16	1	263			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	36	118250	Male	4	Mohawk River	20	1	263			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	56	118270	Female	4	Mohawk River	16	1	263			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	15	118441	Female	4	Mohawk River	16	1	263			1	1	6/5/2000	6/5/2000	190	9.5	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	23	118449	Female	4	Mohawk River	16	1	263			1	1	6/5/2000	6/5/2000	190	9.5	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	8	117832	Undetermined	4	Mohawk River	24	1	263			3	1	6/13/2000	6/13/2000	175	8.75	Hours	Angling	44	Schoharie Region		53	3	9
Blueback Herring	3		Female	4	Mohawk River	16	1	263	148.9	124.1	1	3	6/13/2000	6/13/2000	155	2.583333333	Hours	Angling	44	Schoharie Region		53	3	9
Blueback Herring	4		Male	4	Mohawk River	20	1	263	138.5	129.3	2	3	6/13/2000	6/13/2000	155	2.583333333	Hours	Angling	44	Schoharie Region		53	3	9
Blueback Herring	9	117857	Male	4	Mohawk River	20	1	263			2	1	6/20/2000	6/20/2000	135	4.5	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	1	117860	Female	4	Mohawk River	16	1	263			1	1	6/21/2000	6/21/2000	310	10.33333333	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	16		Female	4	Mohawk River	16	1	263	143	122.3	1	3	6/22/2000	6/22/2000	240	8	Hours	Angling	43	Amsterdam Region		39	3	9
Blueback Herring	57		Male	4	Mohawk River	20	1	263			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	58		Male	4	Mohawk River	20	1	263			2	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	70		Male	4	Mohawk River	20	1	263			2	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	73		Male	4	Mohawk River	20	1	263			2	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	4		Male	4	Mohawk River	20	1	263			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	90		Female	4	Mohawk River	16	1	263			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	8		Male	4	Mohawk River	20	1	263			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	85		Male	4	Mohawk River	20	1	263			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	150		Male	4	Mohawk River	20	1	263			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	169		Male	4	Mohawk River	20	1	263			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	249		Female	4	Mohawk River	16	1	263			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	274		Male	4	Mohawk River	20	1	263			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	277		Female	4	Mohawk River	16	1	263			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	66	121329	Male	4	Mohawk River	20	1	263			2	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	13	121532	Male	4	Mohawk River	20	1	263			2	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	43	121557	Female	4	Mohawk River	16	1	263			1	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	6		Male	4	Mohawk River	20	1	263	157.4	144.8	2	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	48		Female	4	Mohawk River	16	1	263	168.6	139.1	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	78		Female	4	Mohawk River	16	1	263	177.7	149.9	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	82		Male	4	Mohawk River	20	1	263	166.9	150.1	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	37		Female	4	Mohawk River	16	1	263			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	52		Male	4	Mohawk River	20	1	263			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	60		Female	4	Mohawk River	16	1	263			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	129		Male	4	Mohawk River	20	1	263			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	156		Male	4	Mohawk River	20	1	263			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	172		Female	4	Mohawk River	16	1	263			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	114		Male	4	Mohawk River	20	1	263			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	122		Female	4	Mohawk River	16	1	263			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	133		Male	4	Mohawk River	20	1	263			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	10		Female	4	Mohawk River	16	1	263			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	47		Female	4	Mohawk River	16	1	263	166.8	139.4	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	60		Male	4	Mohawk River	20	1	263	129.5	123.3	3	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	81		Male	4	Mohawk River	20	1	263	126.1	123.2	3	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	105		Female	4	Mohawk River	16	1	263	150.4	135	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	45		Undetermined	4	Mohawk River	24	1	263			4	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	76		Female	4	Mohawk River	16	1	263			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	86		Female	4	Mohawk River	16	1	263			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	115		Female	4	Mohawk River	16	1	263			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	121		Female	4	Mohawk River	16	1	263			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	71		Female	4	Mohawk River	16	1	263			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	24		Female	4	Mohawk River	16	1	263			3	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	3		Male	4	Mohawk River	20	1	263	137.3	123.4	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	52		Female	4	Mohawk River	16	1	263	151.9	130	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	1		Male	4	Mohawk River	20	1	263			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	5		Male	4	Mohawk River	20	1	263			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	3		Male	4	Mohawk River	20	1	263			2	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	33		Female	4	Mohawk River	16	1	263			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	56		Male	4	Mohawk River	20	1	263			2	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	109		Female	4	Mohawk River	16	1	263			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	140		Female	4	Mohawk River	16	1	263			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	148		Female	4	Mohawk River	16	1	263			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	4		Female	4	Mohawk River	16	1	263	147.8	113.1	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	6		Female	4	Mohawk River	16	1	263	126.7	119.8	3	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	36		Female	4	Mohawk River	16	1	263	155.4	124.4	2	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	40		Female	4	Mohawk River	16	1	263	152.2	122.4	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	44		Male	4	Mohawk River	20	1	263	124.3	115.5	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	46		Female	4	Mohawk River	16	1	263	135.3	112.4	2	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	78		Female	4	Mohawk River	16	1	263	137	114.6	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	4		Male	4	Mohawk River	20	1	263			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	18		Undetermined	4	Mohawk River	24	1	263			4	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	76		Undetermined	4	Mohawk River	24	1	263			4	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	2	120600	Female	4	Mohawk River	16	1	263			1	1	5/29/2001	5/29/2001	13	0.216666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	12	120618	Female	4	Mohawk River	16	1	263			1	1	5/29/2001	5/29/2001	10	0.166666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	15	120641	Female	4	Mohawk River	16	1	263			3	1	5/29/2001	5/29/2001	14	0.233333333	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	16	100382	Male	4	Mohawk River	20	1	264			4	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	51	100417	Female	4	Mohawk River	16	1	264			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	67	100433	Female	4	Mohawk River	16	1	264			3	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	89	100455	Female	4	Mohawk River	16	1	264			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	13	100479	Female	4	Mohawk River	16	1	264			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	74	100540	Undetermined	4	Mohawk River	24	1	264			3	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	46	100602	Female	4	Mohawk River	16	1	264			3	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	78	100633	Female	4	Mohawk River	16	1	264			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	119	100757	Female	4	Mohawk River	16	1	264			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	211	100835	Female	4	Mohawk River	16	1	264			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	11	101037	Female	4	Mohawk River	16	1	264			2	1	5/11/1999	5/11/1999	70	1.166666667	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	7	101049	Male	4	Mohawk River	20	1	264			2	1	5/11/1999	5/11/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	19	101061	Male	4	Mohawk River	20	1	264			2	1	5/11/1999	5/11/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	1	101094	Female	4	Mohawk River	16	1	264			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	207	101417	Male	4	Mohawk River	20	1	264			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	225	101435	Female	4	Mohawk River	16	1	264			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	10	104010	Female	4	Mohawk River	16	1	264			1	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	18		Female	4	Mohawk River	16	1	264			1	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	6	104138	Male	4	Mohawk River	20	1	264			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	43	104175	Female	4	Mohawk River	16	1	264			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	52	104184	Female	4	Mohawk River	16	1	264			3	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	7	104210	Female	4	Mohawk River	16	1	264			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	41	104244	Female	4	Mohawk River	16	1	264			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	42	104245	Male	4	Mohawk River	20	1	264			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	65	104268	Female	4	Mohawk River	16	1	264			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	90	104293	Female	4	Mohawk River	16	1	264			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	93	104296	Female	4	Mohawk River	16	1	264			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	153	104356	Female	4	Mohawk River	16	1	264			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	216	104419	Female	4	Mohawk River	16	1	264			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	275	104478	Female	4	Mohawk River	16	1	264			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	314	104517	Female	4	Mohawk River	16	1	264			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	22		Male	4	Mohawk River	20	1	264	132.5	120.6	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	60		Female	4	Mohawk River	16	1	264	165.4	132.3	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	21	104756	Female	4	Mohawk River	16	1	264			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	39	104774	Female	4	Mohawk River	16	1	264			1	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	8	104810	Female	4	Mohawk River	16	1	264			1	1	5/27/1999	5/27/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	11	104839	Female	4	Mohawk River	16	1	264			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	13	104841	Female	4	Mohawk River	16	1	264			1	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	45	104873	Female	4	Mohawk River	16	1	264			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	25		Male	4	Mohawk River	20	1	264	116.8	111.6	3	3	6/15/1999	6/15/1999				Angling	43	Amsterdam Region	2	28	3	
Blueback Herring	26	105197	Female	4	Mohawk River	16	1	264			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	49	105220	Female	4	Mohawk River	16	1	264			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	167	105338	Female	4	Mohawk River	16	1	264			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	181	105352	Male	4	Mohawk River	20	1	264			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	210	105381	Female	4	Mohawk River	16	1	264			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	212	105383	Male	4	Mohawk River	20	1	264			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	213	105384	Female	4	Mohawk River	16	1	264			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	77	105551	Male	4	Mohawk River	20	1	264			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	33	105720	Female	4	Mohawk River	16	1	264			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	94	105780	Female	4	Mohawk River	16	1	264			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	145	105832	Male	4	Mohawk River	20	1	264			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	151	105838	Female	4	Mohawk River	16	1	264			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	167	105854	Female	4	Mohawk River	16	1	264			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	199	105886	Female	4	Mohawk River	16	1	264			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	13	105982	Female	4	Mohawk River	16	1	264			1	1	5/28/1999	5/28/1999	30	0.5	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	161	107532	Female	4	Mohawk River	16	1	264			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	224	107595	Female	4	Mohawk River	16	1	264			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	33	107032	Female	4	Mohawk River	16	1	264			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	39	107038	Male	4	Mohawk River	20	1	264			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	46	107045	Female	4	Mohawk River	16	1	264			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	126	107274	Female	4	Mohawk River	16	1	264			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	205	107354	Female	4	Mohawk River	16	1	264			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	263	107412	Female	4	Mohawk River	16	1	264			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	300	107449	Female	4	Mohawk River	16	1	264			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	43		Male	4	Mohawk River	20	1	264	135.3	121.9	2	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	105	107832	Male	4	Mohawk River	20	1	264			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	183	107908	Female	4	Mohawk River	16	1	264			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	249	107973	Undetermined	4	Mohawk River	24	1	264			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	310	110382	Male	4	Mohawk River	20	1	264			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	348	110419	Female	4	Mohawk River	16	1	264			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	365	110436	Female	4	Mohawk River	16	1	264			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	224	110224	Female	4	Mohawk River	16	1	264			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	45	110754	Female	4	Mohawk River	16	1	264			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	113	110820	Male	4	Mohawk River	20	1	264			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	122	110829	Undetermined	4	Mohawk River	24	1	264			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	71	111066	Female	4	Mohawk River	16	1	264			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	78	111073	Female	4	Mohawk River	16	1	264			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	154	111143	Female	4	Mohawk River	16	1	264			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	311	111296	Undetermined	4	Mohawk River	24	1	264			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	1	108011	Undetermined	4	Mohawk River	24	1	264			4	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	3	108013	Male	4	Mohawk River	20	1	264			2	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	33	110697	Male	4	Mohawk River	20	1	264			2	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	38	110701	Female	4	Mohawk River	16	1	264			1	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	83		Male	4	Mohawk River	20	1	264			2	6	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	23		Female	4	Mohawk River	16	1	264	147.3	123.5	1	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	40	111539	Female	4	Mohawk River	16	1	264			1	1	6/8/1999	6/8/1999	180	3	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	1		Male	4	Mohawk River	20	1	264	107.6	102.2	2	3	6/23/1999	6/23/1999	20	0.333333333	Hours	Angling	45	Little Falls River	5	70	3	

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	32		Female	4	Mohawk River	16	1	264	140.9	137.7	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	16	115366	Female	4	Mohawk River	16	1	264			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	18	115368	Female	4	Mohawk River	16	1	264			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	59	115409	Male	4	Mohawk River	20	1	264			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	74	115424	Female	4	Mohawk River	16	1	264			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	148	116185	Female	4	Mohawk River	16	1	264			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	178	116215	Female	4	Mohawk River	16	1	264			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	191	116228	Male	4	Mohawk River	20	1	264			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	198	116235	Female	4	Mohawk River	16	1	264			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	126	117696	Female	4	Mohawk River	16	1	264			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	53	118057	Female	4	Mohawk River	16	1	264			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	58	118062	Female	4	Mohawk River	16	1	264			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	99	118103	Male	4	Mohawk River	20	1	264			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	11	118121	Female	4	Mohawk River	16	1	264			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	23	118133	Female	4	Mohawk River	16	1	264			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	10	118224	Female	4	Mohawk River	16	1	264			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	46	118260	Male	4	Mohawk River	20	1	264			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	79	118293	Female	4	Mohawk River	16	1	264			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	124	118338	Undetermined	4	Mohawk River	24	1	264			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	157		Female	4	Mohawk River	16	1	264	121.3	118.5	3	3	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	26	118420	Male	4	Mohawk River	20	1	264			2	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	14	118440	Male	4	Mohawk River	20	1	264			2	1	6/5/2000	6/5/2000	190	9.5	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	14		Male	4	Mohawk River	20	1	264			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	15		Female	4	Mohawk River	16	1	264			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	29		Female	4	Mohawk River	16	1	264			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	33		Male	4	Mohawk River	20	1	264			2	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	78		Male	4	Mohawk River	20	1	264			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	18		Male	4	Mohawk River	20	1	264			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	20		Male	4	Mohawk River	20	1	264			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	55		Male	4	Mohawk River	20	1	264			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	82		Male	4	Mohawk River	20	1	264			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	96		Male	4	Mohawk River	20	1	264			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	137		Male	4	Mohawk River	20	1	264			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	145		Male	4	Mohawk River	20	1	264			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	177		Male	4	Mohawk River	20	1	264			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	198		Male	4	Mohawk River	20	1	264			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	213		Male	4	Mohawk River	20	1	264			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	273		Female	4	Mohawk River	16	1	264			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	284		Undetermined	4	Mohawk River	24	1	264			4	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	319		Female	4	Mohawk River	16	1	264			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	334		Female	4	Mohawk River	16	1	264			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	85	121348	Female	4	Mohawk River	16	1	264			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	86	121349	Female	4	Mohawk River	16	1	264			1	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	30	121544	Female	4	Mohawk River	16	1	264			1	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	10		Male	4	Mohawk River	20	1	264			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	90		Female	4	Mohawk River	16	1	264			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	29		Male	4	Mohawk River	20	1	264	147.5	135.6	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	49		Female	4	Mohawk River	16	1	264	164.1	137.4	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	89		Female	4	Mohawk River	16	1	264	162.7	138.7	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	25		Male	4	Mohawk River	20	1	264			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	28		Female	4	Mohawk River	16	1	264			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	34		Female	4	Mohawk River	16	1	264			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	115		Female	4	Mohawk River	16	1	264			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	119		Male	4	Mohawk River	20	1	264			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	176		Female	4	Mohawk River	16	1	264			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	188		Male	4	Mohawk River	20	1	264			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	198		Female	4	Mohawk River	16	1	264			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	205		Male	4	Mohawk River	20	1	264			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	11		Female	4	Mohawk River	16	1	264			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	19		Female	4	Mohawk River	16	1	264			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	36		Female	4	Mohawk River	16	1	264			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	45		Female	4	Mohawk River	16	1	264			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	53		Male	4	Mohawk River	20	1	264			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	64		Male	4	Mohawk River	20	1	264			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	74		Male	4	Mohawk River	20	1	264			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	112		Female	4	Mohawk River	16	1	264			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	131		Male	4	Mohawk River	20	1	264			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	21		Female	4	Mohawk River	16	1	264	154.2	139.2	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	56		Female	4	Mohawk River	16	1	264	137.6	126.3	3	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	68		Male	4	Mohawk River	20	1	264	159.5	145.2	2	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	64		Female	4	Mohawk River	16	1	264			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	79		Undetermined	4	Mohawk River	24	1	264			4	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	80		Male	4	Mohawk River	20	1	264			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	90		Undetermined	4	Mohawk River	24	1	264			4	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	12		Female	4	Mohawk River	16	1	264			1	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	55		Female	4	Mohawk River	16	1	264			1	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	1		Male	4	Mohawk River	20	1	264			2	6	5/30/2001	5/30/2001	35	2.333333333	Hours	Angling	43	Amsterdam Region		43	3	7
Blueback Herring	1		Male	4	Mohawk River	20	1	264	141.4	126.1	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	35		Female	4	Mohawk River	16	1	264	132.9	121.8	3	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	53		Female	4	Mohawk River	16	1	264	148.8	122.4	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	90		Female	4	Mohawk River	16	1	264	162.2	129	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	4		Female	4	Mohawk River	16	1	264			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	39		Male	4	Mohawk River	20	1	264			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	1		Male	4	Mohawk River	20	1	264			2	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	38		Male	4	Mohawk River	20	1	264			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	142		Female	4	Mohawk River	16	1	264			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	6		Male	4	Mohawk River	20	1	264			2	6	6/6/2001	6/6/2001	60	3	Hours	Angling	43	Amsterdam Region		34	3	9
Blueback Herring	12		Female	4	Mohawk River	16	1	264	126.4	121.5	3	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	23		Female	4	Mohawk River	16	1	264	139.9	123.1	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	31		Female	4	Mohawk River	16	1	264	143.3	136.7	3	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	61		Male	4	Mohawk River	20	1	264	139.2	132.1	3	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	82		Female	4	Mohawk River	16	1	264	152.6	122.4	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	86		Female	4	Mohawk River	16	1	264	154.9	124.9	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	15		Male	4	Mohawk River	20	1	264			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	17		Male	4	Mohawk River	20	1	264			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	68		Female	4	Mohawk River	16	1	264			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	78		Female	4	Mohawk River	16	1	264			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	82		Female	4	Mohawk River	16	1	264			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	19	120625	Female	4	Mohawk River	16	1	264			4	1	5/29/2001	5/29/2001	10	0.166666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	40	100406	Female	4	Mohawk River	16	1	265			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	41	100407	Female	4	Mohawk River	16	1	265			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	84	100450	Female	4	Mohawk River	16	1	265			3	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	11	100477	Female	4	Mohawk River	16	1	265			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	17	100483	Female	4	Mohawk River	16	1	265			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	82	100548	Female	4	Mohawk River	16	1	265			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	21	100577	Male	4	Mohawk River	20	1	265			2	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	43	100686	Female	4	Mohawk River	16	1	265			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	95	100734	Undetermined	4	Mohawk River	24	1	265			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	96	100735	Male	4	Mohawk River	20	1	265			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	130		Undetermined	4	Mohawk River	24	1	265			4	6	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	272		Female	4	Mohawk River	16	1	265	115	112	3	3	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	22	101064	Male	4	Mohawk River	20	1	265			2	1	5/11/1999	5/11/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	12	101080	Male	4	Mohawk River	20	1	265			2	1	5/12/1999	5/12/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	33	101126	Female	4	Mohawk River	16	1	265			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	74	101167	Female	4	Mohawk River	16	1	265			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	89	101182	Female	4	Mohawk River	16	1	265			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	90	101183	Male	4	Mohawk River	20	1	265			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	4	101214	Female	4	Mohawk River	16	1	265			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	98	101308	Female	4	Mohawk River	16	1	265			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	109	101319	Female	4	Mohawk River	16	1	265			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	133	101343	Female	4	Mohawk River	16	1	265			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	167	101377	Female	4	Mohawk River	16	1	265			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	30	104030	Female	4	Mohawk River	16	1	265			1	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	5	104137	Female	4	Mohawk River	16	1	265			1	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	46	104178	Female	4	Mohawk River	16	1	265			3	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	67	104199	Female	4	Mohawk River	16	1	265			1	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	23	104226	Female	4	Mohawk River	16	1	265			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	29	104232	Male	4	Mohawk River	20	1	265			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	31	104234	Female	4	Mohawk River	16	1	265			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	67	104270	Male	4	Mohawk River	20	1	265			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	74	104277	Female	4	Mohawk River	16	1	265			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	105	104308	Female	4	Mohawk River	16	1	265			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	110	104313	Female	4	Mohawk River	16	1	265			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	235	104438	Female	4	Mohawk River	16	1	265			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	255	104458	Female	4	Mohawk River	16	1	265			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	334	104537	Female	4	Mohawk River	16	1	265			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	367	104570	Female	4	Mohawk River	16	1	265			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	381	104584	Female	4	Mohawk River	16	1	265			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	390	104593	Female	4	Mohawk River	16	1	265			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	5	104618	Male	4	Mohawk River	20	1	265			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	14	104627	Female	4	Mohawk River	16	1	265			1	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	26	104639	Male	4	Mohawk River	20	1	265			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	75	104688	Female	4	Mohawk River	16	1	265			1	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	20	104755	Male	4	Mohawk River	20	1	265			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	17		Female	4	Mohawk River	16	1	265	143.4	117.4	2	3	5/27/1999	5/27/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	2	104820	Female	4	Mohawk River	16	1	265			1	1	5/27/1999	5/27/1999	82	1.366666667	Hours	Angling	42	Schenectady Region	4	23	3	
Blueback Herring	7	104825	Female	4	Mohawk River	16	1	265			1	1	5/27/1999	5/27/1999	82	1.366666667	Hours	Angling	42	Schenectady Region	4	23	3	
Blueback Herring	10	104838	Female	4	Mohawk River	16	1	265			1	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	74	104903	Female	4	Mohawk River	16	1	265			1	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	88	104917	Male	4	Mohawk River	20	1	265			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	363	106295	Female	4	Mohawk River	16	1	265			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	410	106343	Male	4	Mohawk River	20	1	265			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	4	106445	Female	4	Mohawk River	16	1	265			1	1	6/3/1999	6/3/1999	60	1	Hours	Angling	43	Amsterdam Region	3	38	3	7
Blueback Herring	15	106470	Female	4	Mohawk River	16	1	265			1	1	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	4	106500	Female	4	Mohawk River	16	1	265			1	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	14	106579	Male	4	Mohawk River	20	1	265			2	1	6/7/1999	6/7/1999	98	1.633333333	Hours	Angling	42	Schenectady Region	4	23	3	6
Blueback Herring	17	106582	Female	4	Mohawk River	16	1	265			1	1	6/7/1999	6/7/1999	98	1.633333333	Hours	Angling	42	Schenectady Region	4	23	3	6
Blueback Herring	1		Female	4	Mohawk River	16	1	265	125.6	116.3	3	3	6/15/1999	6/15/1999	95	1.583333333	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	32	105203	Female	4	Mohawk River	16	1	265			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	111	105282	Female	4	Mohawk River	16	1	265			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	130	105301	Female	4	Mohawk River	16	1	265			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	177	105348	Female	4	Mohawk River	16	1	265			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	180	105351	Male	4	Mohawk River	20	1	265			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	230	105401	Female	4	Mohawk River	16	1	265			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	280	105451	Female	4	Mohawk River	16	1	265			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	54	105528	Female	4	Mohawk River	16	1	265			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	120	105594	Male	4	Mohawk River	20	1	265			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	214	107585	Female	4	Mohawk River	16	1	265			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	264	107634	Female	4	Mohawk River	16	1	265			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	298	107668	Male	4	Mohawk River	20	1	265			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	168	107317	Female	4	Mohawk River	16	1	265			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	169	107318	Female	4	Mohawk River	16	1	265			3	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	336	107485	Female	4	Mohawk River	16	1	265			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	384	107731	Female	4	Mohawk River	16	1	265			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	175	107900	Male	4	Mohawk River	20	1	265			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	33	110033	Male	4	Mohawk River	20	1	265			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	47	110047	Female	4	Mohawk River	16	1	265			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	229	110229	Male	4	Mohawk River	20	1	265			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	75	110783	Female	4	Mohawk River	16	1	265			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	185	110889	Female	4	Mohawk River	16	1	265			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	160	110643	Undetermined	4	Mohawk River	24	1	265			4	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	77	111072	Male	4	Mohawk River	20	1	265			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	111	111103	Male	4	Mohawk River	20	1	265			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	153	111142	Undetermined	4	Mohawk River	24	1	265			3	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	48	108091	Undetermined	4	Mohawk River	24	1	265			4	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	55	108098	Undetermined	4	Mohawk River	24	1	265			4	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	19	111381	Undetermined	4	Mohawk River	24	1	265			4	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	36	111396	Male	4	Mohawk River	20	1	265			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	6		Male	4	Mohawk River	20	1	265	106.2	102.1	2	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	9		Male	4	Mohawk River	20	1	265	133.3	125.1	2	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	6		Male	4	Mohawk River	20	1	265	118.5	111.1	3	3	6/22/1999	6/22/1999	20	0.333333333	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	8		Female	4	Mohawk River	16	1	265	132.3	125.1	3	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	54	115404	Undetermined	4	Mohawk River	24	1	265			4	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	78	115428	Female	4	Mohawk River	16	1	265			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	106	115456	Female	4	Mohawk River	16	1	265			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	119	115469	Male	4	Mohawk River	20	1	265			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	130	115480	Male	4	Mohawk River	20	1	265			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	82	116119	Undetermined	4	Mohawk River	24	1	265			4	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	108	116145	Female	4	Mohawk River	16	1	265			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	109	116146	Female	4	Mohawk River	16	1	265			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	151	116188	Female	4	Mohawk River	16	1	265			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	182	116219	Male	4	Mohawk River	20	1	265			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	199	116236	Male	4	Mohawk River	20	1	265			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	248	116285	Female	4	Mohawk River	16	1	265			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	250	116287	Female	4	Mohawk River	16	1	265			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	251	116288	Female	4	Mohawk River	16	1	265			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	255	116292	Undetermined	4	Mohawk River	24	1	265			4	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	19		Female	4	Mohawk River	16	1	265	170.7	146	1	3	5/11/2000	5/11/2000	15	0.25	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	3	2
Blueback Herring	138	117708	Female	4	Mohawk River	16	1	265			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	1	117751	Undetermined	4	Mohawk River	24	1	265			4	9	6/1/2000	6/1/2000	70	1.166666667	Hours	Scap net/Lift net	41	Waterford Region		2	3	6
Blueback Herring	27	118031	Male	4	Mohawk River	20	1	265			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	56	118060	Female	4	Mohawk River	16	1	265			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	95	118099	Male	4	Mohawk River	20	1	265			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	103	118107	Female	4	Mohawk River	16	1	265			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	37	118147	Male	4	Mohawk River	20	1	265			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	32	118246	Female	4	Mohawk River	16	1	265			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	114	118328	Female	4	Mohawk River	16	1	265			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	134	118348	Female	4	Mohawk River	16	1	265			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	159		Male	4	Mohawk River	20	1	265	146.3	128.8	2	3	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	161		Male	4	Mohawk River	20	1	265	142.4	110.7	2	3	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	15	118409	Male	4	Mohawk River	20	1	265			2	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	28	118422	Female	4	Mohawk River	16	1	265			1	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	21	118447	Female	4	Mohawk River	16	1	265			1	1	6/5/2000	6/5/2000	190	9.5	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	2	117840	Female	4	Mohawk River	16	1	265			1	1	6/20/2000	6/20/2000	130	4.333333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	9		Male	4	Mohawk River	20	1	265			2	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	39		Male	4	Mohawk River	20	1	265			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	63		Male	4	Mohawk River	20	1	265			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	8		Male	4	Mohawk River	20	1	265			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	10		Female	4	Mohawk River	16	1	265			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	49		Female	4	Mohawk River	16	1	265			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	54		Female	4	Mohawk River	16	1	265			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	94		Female	4	Mohawk River	16	1	265			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	139		Male	4	Mohawk River	20	1	265			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	149		Male	4	Mohawk River	20	1	265			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	157		Male	4	Mohawk River	20	1	265			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	181		Male	4	Mohawk River	20	1	265			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	340		Male	4	Mohawk River	20	1	265			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	17	121285	Female	4	Mohawk River	16	1	265			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	37	121304	Female	4	Mohawk River	16	1	265			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	51	121315	Female	4	Mohawk River	16	1	265			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	71	121334	Female	4	Mohawk River	16	1	265			1	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	81	121344	Male	4	Mohawk River	20	1	265			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	87	121350	Undetermined	4	Mohawk River	24	1	265			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	24	121540	Female	4	Mohawk River	16	1	265			1	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	29		Female	4	Mohawk River	16	1	265			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	37		Female	4	Mohawk River	16	1	265			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	53		Male	4	Mohawk River	20	1	265			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	74		Male	4	Mohawk River	20	1	265			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	99		Male	4	Mohawk River	20	1	265			2	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	104		Undetermined	4	Mohawk River	24	1	265			4	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	5		Female	4	Mohawk River	16	1	265			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	40		Male	4	Mohawk River	20	1	265			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	100		Female	4	Mohawk River	16	1	265			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	127		Female	4	Mohawk River	16	1	265			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	2		Female	4	Mohawk River	16	1	265			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	54		Male	4	Mohawk River	20	1	265			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	82		Female	4	Mohawk River	16	1	265			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	11		Male	4	Mohawk River	20	1	265	159	140.4	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	64		Female	4	Mohawk River	16	1	265	142.9	134	3	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	6		Female	4	Mohawk River	16	1	265			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	16		Female	4	Mohawk River	16	1	265			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	81		Female	4	Mohawk River	16	1	265			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	87		Male	4	Mohawk River	20	1	265			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	99		Female	4	Mohawk River	16	1	265			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	22		Male	4	Mohawk River	20	1	265			3	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	49		Male	4	Mohawk River	20	1	265			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	6		Male	4	Mohawk River	20	1	265			3	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	48		Male	4	Mohawk River	20	1	265			3	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	50		Female	4	Mohawk River	16	1	265			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	53		Female	4	Mohawk River	16	1	265			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	23		Female	4	Mohawk River	16	1	265			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	102		Female	4	Mohawk River	16	1	265			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	103		Female	4	Mohawk River	16	1	265			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	114		Male	4	Mohawk River	20	1	265			2	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	4		Female	4	Mohawk River	16	1	265			1	6	6/6/2001	6/6/2001	60	3	Hours	Angling	43	Amsterdam Region		34	3	9
Blueback Herring	35		Female	4	Mohawk River	16	1	265	168.2	128.6	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	62		Female	4	Mohawk River	16	1	265	127.2	116.9	3	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	3		Male	4	Mohawk River	20	1	265			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	34		Male	4	Mohawk River	20	1	265			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	39		Female	4	Mohawk River	16	1	265			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	3		Male	4	Mohawk River	20	1	265			2	6	5/29/2001	5/29/2001	13	0.216666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	4	120610	Female	4	Mohawk River	16	1	265			2	1	5/29/2001	5/29/2001	10	0.166666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	44	100410	Female	4	Mohawk River	16	1	266			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	57	100423	Female	4	Mohawk River	16	1	266			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	138		Female	4	Mohawk River	16	1	266	166.8	140.8	1	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	56	100522	Female	4	Mohawk River	16	1	266			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	108	100746	Undetermined	4	Mohawk River	24	1	266			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	114	100752	Undetermined	4	Mohawk River	24	1	266			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	221	100845	Male	4	Mohawk River	20	1	266			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	5	109131	Female	4	Mohawk River	16	1	266			1	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	75	101285	Female	4	Mohawk River	16	1	266			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	146	101356	Female	4	Mohawk River	16	1	266			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	190	101400	Female	4	Mohawk River	16	1	266			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	245	101455	Female	4	Mohawk River	16	1	266			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	251	101461	Female	4	Mohawk River	16	1	266			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	45		Female	4	Mohawk River	16	1	266	172.2	140.4	1	3	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	46		Female	4	Mohawk River	16	1	266	159.6	134.9	1	3	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	48		Male	4	Mohawk River	20	1	266	153.9	137.6	2	3	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	22		Female	4	Mohawk River	16	1	266			1	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	26	104158	Female	4	Mohawk River	16	1	266			1	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	11	104214	Female	4	Mohawk River	16	1	266			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	84	104287	Female	4	Mohawk River	16	1	266			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	95	104298	Female	4	Mohawk River	16	1	266			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	133	104336	Female	4	Mohawk River	16	1	266			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	136	104339	Female	4	Mohawk River	16	1	266			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	138	104341	Female	4	Mohawk River	16	1	266			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	237	104440	Female	4	Mohawk River	16	1	266			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	283	104486	Female	4	Mohawk River	16	1	266			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	337	104540	Female	4	Mohawk River	16	1	266			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	349	104552	Female	4	Mohawk River	16	1	266			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	1		Female	4	Mohawk River	16	1	266	142.3	125.9	1	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	14		Female	4	Mohawk River	16	1	266	155.8	132.9	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	21		Male	4	Mohawk River	20	1	266	148.4	132.7	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	67	104680	Female	4	Mohawk River	16	1	266			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	33	104861	Female	4	Mohawk River	16	1	266			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	25	104956	Female	4	Mohawk River	16	1	266			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	53	104984	Female	4	Mohawk River	16	1	266			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	397	106330	Female	4	Mohawk River	16	1	266			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	402	106335	Female	4	Mohawk River	16	1	266			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	14	106649	Male	4	Mohawk River	20	1	266			2	9	6/16/1999	6/16/1999	210	3.5	Hours	Angling	43	Amsterdam Region	2	35	3	
Blueback Herring	38	105209	Female	4	Mohawk River	16	1	266			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	41	105212	Male	4	Mohawk River	20	1	266			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	52	105526	Female	4	Mohawk River	16	1	266			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	151	105625	Female	4	Mohawk River	16	1	266			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	53	105739	Female	4	Mohawk River	16	1	266			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	127	105813	Female	4	Mohawk River	16	1	266			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	150	105837	Female	4	Mohawk River	16	1	266			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	201	105888	Female	4	Mohawk River	16	1	266			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	52	107144	Female	4	Mohawk River	16	1	266			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	102	107224	Undetermined	4	Mohawk River	24	1	266			4	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	118	107240	Male	4	Mohawk River	20	1	266			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	72	107071	Female	4	Mohawk River	16	1	266			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	96	107095	Female	4	Mohawk River	16	1	266			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	292	107441	Female	4	Mohawk River	16	1	266			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	316	107465	Female	4	Mohawk River	16	1	266			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	81	107809	Undetermined	4	Mohawk River	24	1	266			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	332	110403	Female	4	Mohawk River	16	1	266			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	352	110423	Undetermined	4	Mohawk River	24	1	266			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	370	110441	Male	4	Mohawk River	20	1	266			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	377	110448	Female	4	Mohawk River	16	1	266			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	80	110080	Female	4	Mohawk River	16	1	266			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	152	110152	Female	4	Mohawk River	16	1	266			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	12	110321	Male	4	Mohawk River	20	1	266			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	137	110621	Male	4	Mohawk River	20	1	266			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	68	111063	Female	4	Mohawk River	16	1	266			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	301	111286	Undetermined	4	Mohawk River	24	1	266			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	64	111422	Female	4	Mohawk River	16	1	266			1	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	94	111448	Male	4	Mohawk River	20	1	266			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	3		Female	4	Mohawk River	16	1	266	156.7	142.6	3	3	6/21/1999	6/21/1999	75	1.25	Hours	Angling	41	Waterford Region	5	1	3	9
Blueback Herring	145	115495	Female	4	Mohawk River	16	1	266			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	162	116199	Female	4	Mohawk River	16	1	266			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	10		Male	4	Mohawk River	20	1	266	168	147.5	2	3	5/11/2000	5/11/2000	15	0.25	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	3	2
Blueback Herring	17		Female	4	Mohawk River	16	1	266	184.3	145.7	1	3	5/11/2000	5/11/2000	15	0.25	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	3	2
Blueback Herring	17	116417	Female	4	Mohawk River	16	1	266			1	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	23	116423	Female	4	Mohawk River	16	1	266			1	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	28		Female	4	Mohawk River	16	1	266	166.8	122.4	1	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	39	118043	Male	4	Mohawk River	20	1	266			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	89	118093	Female	4	Mohawk River	16	1	266			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	61	118275	Female	4	Mohawk River	16	1	266			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	97	118311	Female	4	Mohawk River	16	1	266			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	21	118385	Female	4	Mohawk River	16	1	266			1	1	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	8	118434	Female	4	Mohawk River	16	1	266			1	1	6/5/2000	6/5/2000	190	9.5	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	2	117850	Female	4	Mohawk River	16	1	266			1	1	6/20/2000	6/20/2000	135	4.5	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	8	117867	Female	4	Mohawk River	16	1	266			1	1	6/21/2000	6/21/2000	310	10.33333333	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	10		Female	4	Mohawk River	16	1	266	156	118.2	1	3	6/22/2000	6/22/2000	240	8	Hours	Angling	43	Amsterdam Region		39	3	9
Blueback Herring	8		Female	4	Mohawk River	16	1	266			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	18		Female	4	Mohawk River	16	1	266			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	46		Male	4	Mohawk River	20	1	266			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	15		Female	4	Mohawk River	16	1	266			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	50		Male	4	Mohawk River	20	1	266			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	56		Female	4	Mohawk River	16	1	266			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	74		Male	4	Mohawk River	20	1	266			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	3		Male	4	Mohawk River	20	1	266			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	43		Male	4	Mohawk River	20	1	266			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	52		Female	4	Mohawk River	16	1	266			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	146		Male	4	Mohawk River	20	1	266			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	165		Female	4	Mohawk River	16	1	266			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	265		Female	4	Mohawk River	16	1	266			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	282		Male	4	Mohawk River	20	1	266			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	331		Female	4	Mohawk River	16	1	266			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	45	121311	Undetermined	4	Mohawk River	24	1	266			4	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	55	121319	Female	4	Mohawk River	16	1	266			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	57	121321	Female	4	Mohawk River	16	1	266			1	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	61	121325	Female	4	Mohawk River	16	1	266			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	78	121341	Female	4	Mohawk River	16	1	266			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	23	121539	Female	4	Mohawk River	16	1	266			1	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	22		Female	4	Mohawk River	16	1	266			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	40		Female	4	Mohawk River	16	1	266			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	63		Female	4	Mohawk River	16	1	266	189.9	155	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	18		Female	4	Mohawk River	16	1	266			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	24		Female	4	Mohawk River	16	1	266			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	62		Female	4	Mohawk River	16	1	266			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	125		Male	4	Mohawk River	20	1	266			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	155		Male	4	Mohawk River	20	1	266			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	195		Female	4	Mohawk River	16	1	266			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	38		Female	4	Mohawk River	16	1	266			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	56		Female	4	Mohawk River	16	1	266			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	65		Female	4	Mohawk River	16	1	266			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	87		Male	4	Mohawk River	20	1	266			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	90		Male	4	Mohawk River	20	1	266			2	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	117		Undetermined	4	Mohawk River	24	1	266			4	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	120		Female	4	Mohawk River	16	1	266			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	148		Female	4	Mohawk River	16	1	266			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	9		Female	4	Mohawk River	16	1	266			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	76		Female	4	Mohawk River	16	1	266			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	27		Female	4	Mohawk River	16	1	266	151.4	134.5	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	30		Female	4	Mohawk River	16	1	266	173.4	145.6	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	73		Female	4	Mohawk River	16	1	266	131.6	126.7	3	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	74		Male	4	Mohawk River	20	1	266	148.1	133.3	2	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	79		Female	4	Mohawk River	16	1	266	173.8	140.7	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	87		Female	4	Mohawk River	16	1	266	170	139.4	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	92		Female	4	Mohawk River	16	1	266	144.1	127.2	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	66		Male	4	Mohawk River	20	1	266			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	74		Female	4	Mohawk River	16	1	266			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	117		Male	4	Mohawk River	20	1	266			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	27		Male	4	Mohawk River	20	1	266			3	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	36		Female	4	Mohawk River	16	1	266			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	88		Female	4	Mohawk River	16	1	266			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	16		Undetermined	4	Mohawk River	24	1	266			4	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	32		Female	4	Mohawk River	16	1	266			1	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	34		Female	4	Mohawk River	16	1	266			1	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	72		Female	4	Mohawk River	16	1	266	125.4	121.9	3	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	24		Male	4	Mohawk River	20	1	266			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	68		Male	4	Mohawk River	20	1	266			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	3		Male	4	Mohawk River	20	1	266			2	6	6/5/2001	6/5/2001	80	2.666666667	Hours	Angling	43	Amsterdam Region		38	3	9
Blueback Herring	41		Female	4	Mohawk River	16	1	266			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	90		Female	4	Mohawk River	16	1	266			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	11		Female	4	Mohawk River	16	1	266	136.4	122.2	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	20		Female	4	Mohawk River	16	1	266	147.3	131.4	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	79		Female	4	Mohawk River	16	1	266	178.5	135.9	2	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	2		Undetermined	4	Mohawk River	24	1	266			4	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	8		Female	4	Mohawk River	16	1	266			1	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	14		Female	4	Mohawk River	16	1	266			1	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	26		Undetermined	4	Mohawk River	24	1	266			4	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	6	120612	Male	4	Mohawk River	20	1	266			2	1	5/29/2001	5/29/2001	10	0.166666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	32	100398	Female	4	Mohawk River	16	1	267			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	96	100462	Female	4	Mohawk River	16	1	267			3	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	20	100665	Female	4	Mohawk River	16	1	267			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	130	100767	Female	4	Mohawk River	16	1	267			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	243	109097	Female	4	Mohawk River	16	1	267			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	12		Female	4	Mohawk River	16	1	267			1	6	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	1	109127	Female	4	Mohawk River	16	1	267			1	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	26	109152	Female	4	Mohawk River	16	1	267			1	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	71	101164	Female	4	Mohawk River	16	1	267			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	43	101253	Female	4	Mohawk River	16	1	267			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	91	101301	Female	4	Mohawk River	16	1	267			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	96	101306	Female	4	Mohawk River	16	1	267			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	113	101323	Male	4	Mohawk River	20	1	267			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	153	101363	Female	4	Mohawk River	16	1	267			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	33	101500	Female	4	Mohawk River	16	1	267			1	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	27	104027	Female	4	Mohawk River	16	1	267			1	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	35	104035	Female	4	Mohawk River	16	1	267			1	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	11	104071	Female	4	Mohawk River	16	1	267			1	1	5/18/1999	5/18/1999	20	0.333333333	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	18	104078	Female	4	Mohawk River	16	1	267			1	1	5/18/1999	5/18/1999	20	0.333333333	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	21	104153	Female	4	Mohawk River	16	1	267			1	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	27	104159	Female	4	Mohawk River	16	1	267			3	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	45	104177	Female	4	Mohawk River	16	1	267			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	126	104329	Female	4	Mohawk River	16	1	267			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	127	104330	Female	4	Mohawk River	16	1	267			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	201	104404	Female	4	Mohawk River	16	1	267			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	205	104408	Female	4	Mohawk River	16	1	267			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	223	104426	Female	4	Mohawk River	16	1	267			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	230	104433	Female	4	Mohawk River	16	1	267			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	10		Male	4	Mohawk River	20	1	267	151.5	135	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	13	104815	Male	4	Mohawk River	20	1	267			2	1	5/27/1999	5/27/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	14	104816	Male	4	Mohawk River	20	1	267			2	1	5/27/1999	5/27/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	35	104863	Female	4	Mohawk River	16	1	267			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	189	106120	Female	4	Mohawk River	16	1	267			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	327	106259	Female	4	Mohawk River	16	1	267			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	412	106345	Female	4	Mohawk River	16	1	267			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	432	106365	Female	4	Mohawk River	16	1	267			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	12	106453	Male	4	Mohawk River	20	1	267			2	1	6/3/1999	6/3/1999	60	1	Hours	Angling	43	Amsterdam Region	3	38	3	7
Blueback Herring	17		Female	4	Mohawk River	16	1	267	130.6	116.1	3	3	6/16/1999	6/16/1999	60	1	Hours	Angling	44	Schoharie Region	3	44	3	
Blueback Herring	11	105182	Female	4	Mohawk River	16	1	267			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	24	105195	Female	4	Mohawk River	16	1	267			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	83	105254	Female	4	Mohawk River	16	1	267			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	169	105340	Female	4	Mohawk River	16	1	267			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	252	105423	Female	4	Mohawk River	16	1	267			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	270	105441	Male	4	Mohawk River	20	1	267			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	274	105445	Female	4	Mohawk River	16	1	267			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	34	105508	Female	4	Mohawk River	16	1	267			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	51	105525	Male	4	Mohawk River	20	1	267			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	159	105632	Female	4	Mohawk River	16	1	267			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	99	105785	Female	4	Mohawk River	16	1	267			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	157	105844	Female	4	Mohawk River	16	1	267			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	45	107137	Female	4	Mohawk River	16	1	267			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	126	107248	Female	4	Mohawk River	16	1	267			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	3	107003	Female	4	Mohawk River	16	1	267			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	17	107016	Female	4	Mohawk River	16	1	267			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	257	107406	Female	4	Mohawk River	16	1	267			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	283	107432	Female	4	Mohawk River	16	1	267			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	2		Female	4	Mohawk River	16	1	267	159	123.6	1	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	102	107829	Female	4	Mohawk River	16	1	267			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	197	107922	Female	4	Mohawk River	16	1	267			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	256	107979	Male	4	Mohawk River	20	1	267			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	319	110391	Male	4	Mohawk River	20	1	267			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	395	110466	Undetermined	4	Mohawk River	24	1	267			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	109	110109	Female	4	Mohawk River	16	1	267			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	233	110233	Female	4	Mohawk River	16	1	267			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	190	110894	Female	4	Mohawk River	16	1	267			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	4	110942	Female	4	Mohawk River	16	1	267			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	8		Undetermined	4	Mohawk River	24	1	267			4	6	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	28	110965	Female	4	Mohawk River	16	1	267			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	9	111009	Female	4	Mohawk River	16	1	267			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	14	108023	Undetermined	4	Mohawk River	24	1	267			4	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	55	106579	Male	4	Mohawk River	20	1	267			2	2	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	17	111343	Undetermined	4	Mohawk River	24	1	267			4	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	14		Female	4	Mohawk River	16	1	267	154.6	131.4	2	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	2		Male	4	Mohawk River	20	1	267	122.8	118.4	2	3	6/30/1999	6/30/1999	110	1.833333333	Hours	Angling	44	Schoharie Region	5	64	3	9
Blueback Herring	8	115358	Male	4	Mohawk River	20	1	267			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	43	115393	Male	4	Mohawk River	20	1	267			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	136	116173	Male	4	Mohawk River	20	1	267			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	5		Female	4	Mohawk River	16	1	267	174.3	145.6	1	3	5/11/2000	5/11/2000	15	0.25	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	3	2
Blueback Herring	26		Female	4	Mohawk River	16	1	267	177.8	137.6	1	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	111	117681	Female	4	Mohawk River	16	1	267			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	115	117685	Female	4	Mohawk River	16	1	267			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	7	117779	Undetermined	4	Mohawk River	24	1	267			4	1	6/5/2000	6/5/2000	120	6	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	39		Female	4	Mohawk River	16	1	267	163.7	137.2	1	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	19	118129	Female	4	Mohawk River	16	1	267			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	87	118301	Female	4	Mohawk River	16	1	267			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	144	118358	Female	4	Mohawk River	16	1	267			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	168		Female	4	Mohawk River	16	1	267	137.5	119.6	1	3	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	9	118373	Female	4	Mohawk River	16	1	267			1	1	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	9	117833	Female	4	Mohawk River	16	1	267			1	1	6/13/2000	6/13/2000	175	8.75	Hours	Angling	44	Schoharie Region		53	3	9
Blueback Herring	10		Male	4	Mohawk River	20	1	267			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	17		Female	4	Mohawk River	16	1	267			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	47		Female	4	Mohawk River	16	1	267			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	67		Female	4	Mohawk River	16	1	267			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	16		Female	4	Mohawk River	16	1	267			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	28		Male	4	Mohawk River	20	1	267			2	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	44		Female	4	Mohawk River	16	1	267			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	65		Female	4	Mohawk River	16	1	267			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	80		Female	4	Mohawk River	16	1	267			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	67		Female	4	Mohawk River	16	1	267			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	160		Female	4	Mohawk River	16	1	267			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	175		Female	4	Mohawk River	16	1	267			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	178		Female	4	Mohawk River	16	1	267			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	180		Male	4	Mohawk River	20	1	267			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	187		Undetermined	4	Mohawk River	24	1	267			4	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	266		Female	4	Mohawk River	16	1	267			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	306		Female	4	Mohawk River	16	1	267			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	2	121270	Undetermined	4	Mohawk River	24	1	267			4	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	97	121359	Undetermined	4	Mohawk River	24	1	267			4	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	108	121370	Undetermined	4	Mohawk River	24	1	267			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	42		Female	4	Mohawk River	16	1	267			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	41		Female	4	Mohawk River	16	1	267	151.1	138.9	2	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	93		Female	4	Mohawk River	16	1	267			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	94		Female	4	Mohawk River	16	1	267			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	132		Female	4	Mohawk River	16	1	267			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	147		Undetermined	4	Mohawk River	24	1	267			4	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	200		Female	4	Mohawk River	16	1	267			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	49		Male	4	Mohawk River	20	1	267			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	79		Female	4	Mohawk River	16	1	267			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	140		Female	4	Mohawk River	16	1	267			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	6		Female	4	Mohawk River	16	1	267			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	20		Female	4	Mohawk River	16	1	267			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	26		Female	4	Mohawk River	16	1	267			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	48		Female	4	Mohawk River	16	1	267			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	67		Female	4	Mohawk River	16	1	267			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	28		Female	4	Mohawk River	16	1	267	176.8	144.8	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	100		Female	4	Mohawk River	16	1	267	165.1	138.2	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	103		Male	4	Mohawk River	20	1	267	171.7	151.3	2	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	4		Female	4	Mohawk River	16	1	267			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	15		Female	4	Mohawk River	16	1	267			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	22		Female	4	Mohawk River	16	1	267			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	63		Female	4	Mohawk River	16	1	267			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	89		Male	4	Mohawk River	20	1	267			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	95		Female	4	Mohawk River	16	1	267			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	30		Male	4	Mohawk River	20	1	267			3	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	60		Female	4	Mohawk River	16	1	267			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	68		Female	4	Mohawk River	16	1	267			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	73		Female	4	Mohawk River	16	1	267			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	10		Female	4	Mohawk River	16	1	267			1	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	43		Male	4	Mohawk River	20	1	267	145.1	131.9	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	28		Female	4	Mohawk River	16	1	267			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	66		Female	4	Mohawk River	16	1	267			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	111		Female	4	Mohawk River	16	1	267			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	130		Undetermined	4	Mohawk River	24	1	267			4	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	10		Female	4	Mohawk River	16	1	267	130.2	123.2	3	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	90		Female	4	Mohawk River	16	1	267	178.3	138.9	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	10		Female	4	Mohawk River	16	1	267			1	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	47		Female	4	Mohawk River	16	1	267			1	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	67		Female	4	Mohawk River	16	1	267			1	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	24	100390	Female	4	Mohawk River	16	1	268			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	26	100392	Female	4	Mohawk River	16	1	268			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	43	100409	Female	4	Mohawk River	16	1	268			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	122		Female	4	Mohawk River	16	1	268	134	129.1	3	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	134		Female	4	Mohawk River	16	1	268	168.4	136.7	1	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	74	100713	Female	4	Mohawk River	16	1	268			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	156	100792	Undetermined	4	Mohawk River	24	1	268			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	184		Female	4	Mohawk River	16	1	268			3	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	145	109003	Female	4	Mohawk River	16	1	268			3	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	22	101090	Female	4	Mohawk River	16	1	268			1	1	5/12/1999	5/12/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	87	101180	Female	4	Mohawk River	16	1	268			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	55	101265	Female	4	Mohawk River	16	1	268			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	82	101292	Female	4	Mohawk River	16	1	268			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	180	101390	Female	4	Mohawk River	16	1	268			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	249	101459	Female	4	Mohawk River	16	1	268			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	60		Female	4	Mohawk River	16	1	268	170	137.1	1	3	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	59	104191	Female	4	Mohawk River	16	1	268			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	8	104211	Female	4	Mohawk River	16	1	268			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	22	104225	Female	4	Mohawk River	16	1	268			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	37	104240	Female	4	Mohawk River	16	1	268			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	114	104317	Female	4	Mohawk River	16	1	268			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	214	104417	Female	4	Mohawk River	16	1	268			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	276	104479	Female	4	Mohawk River	16	1	268			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	363	104566	Female	4	Mohawk River	16	1	268			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	18		Female	4	Mohawk River	16	1	268	143	130.1	1	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	25		Female	4	Mohawk River	16	1	268	157.8	129.5	1	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	73	104686	Male	4	Mohawk River	20	1	268			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	9	104827	Female	4	Mohawk River	16	1	268			1	1	5/27/1999	5/27/1999	82	1.366666667	Hours	Angling	42	Schenectady Region	4	23	3	
Blueback Herring	18	104846	Female	4	Mohawk River	16	1	268			3	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	232	106164	Female	4	Mohawk River	16	1	268			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	269	106201	Female	4	Mohawk River	16	1	268			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	387	106319	Female	4	Mohawk River	16	1	268			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	411	106344	Male	4	Mohawk River	20	1	268			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	434	106367	Female	4	Mohawk River	16	1	268			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	3	106444	Female	4	Mohawk River	16	1	268			1	1	6/3/1999	6/3/1999	60	1	Hours	Angling	43	Amsterdam Region	3	38	3	7
Blueback Herring	5		Male	4	Mohawk River	20	1	268			2	6	6/17/1999	6/17/1999	90	1.5	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	48	105219	Female	4	Mohawk River	16	1	268			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	85	105256	Female	4	Mohawk River	16	1	268			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	142	105313	Male	4	Mohawk River	20	1	268			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	172	105343	Female	4	Mohawk River	16	1	268			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	176	105347	Female	4	Mohawk River	16	1	268			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	220	105391	Female	4	Mohawk River	16	1	268			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	268	105439	Female	4	Mohawk River	16	1	268			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	116	105590	Male	4	Mohawk River	20	1	268			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	117	105591	Female	4	Mohawk River	16	1	268			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	121	105595	Female	4	Mohawk River	16	1	268			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	148	105835	Female	4	Mohawk River	16	1	268			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	87	107209	Female	4	Mohawk River	16	1	268			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	106	107255	Male	4	Mohawk River	20	1	268			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	128	107276	Female	4	Mohawk River	16	1	268			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	349	107498	Female	4	Mohawk River	16	1	268			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	153	107880	Male	4	Mohawk River	20	1	268			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	255	107978	Undetermined	4	Mohawk River	24	1	268			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	379	110450	Undetermined	4	Mohawk River	24	1	268			3	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	51	110760	Undetermined	4	Mohawk River	24	1	268			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	189	110893	Female	4	Mohawk River	16	1	268			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	280	111265	Undetermined	4	Mohawk River	24	1	268			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	41	111400	Male	4	Mohawk River	20	1	268			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	39		Female	4	Mohawk River	16	1	268	148.6	124.2	2	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	27	115377	Female	4	Mohawk River	16	1	268			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	33	116070	Female	4	Mohawk River	16	1	268			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	91	116128	Female	4	Mohawk River	16	1	268			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	95	116132	Female	4	Mohawk River	16	1	268			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	36	116436	Female	4	Mohawk River	16	1	268			4	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	73	117643	Female	4	Mohawk River	16	1	268			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	89	117659	Female	4	Mohawk River	16	1	268			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	3	117752	Female	4	Mohawk River	16	1	268			1	9	6/1/2000	6/1/2000	70	1.166666667	Hours	Scap net/Lift net	41	Waterford Region		2	3	6
Blueback Herring	57	118061	Female	4	Mohawk River	16	1	268			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	40	118150	Female	4	Mohawk River	16	1	268			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	9	118223	Female	4	Mohawk River	16	1	268			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	20	118414	Female	4	Mohawk River	16	1	268			1	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	12	117836	Female	4	Mohawk River	16	1	268			1	1	6/13/2000	6/13/2000	175	8.75	Hours	Angling	44	Schoharie Region		53	3	9
Blueback Herring	32		Female	4	Mohawk River	16	1	268			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	64		Female	4	Mohawk River	16	1	268			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	37		Female	4	Mohawk River	16	1	268			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	43		Female	4	Mohawk River	16	1	268			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	64		Male	4	Mohawk River	20	1	268			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	51		Female	4	Mohawk River	16	1	268			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	125		Male	4	Mohawk River	20	1	268			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	152		Female	4	Mohawk River	16	1	268			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	164		Female	4	Mohawk River	16	1	268			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	188		Female	4	Mohawk River	16	1	268			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	233		Male	4	Mohawk River	20	1	268			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	234		Female	4	Mohawk River	16	1	268			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	237		Male	4	Mohawk River	20	1	268			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	247		Male	4	Mohawk River	20	1	268			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	286		Male	4	Mohawk River	20	1	268			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	302		Male	4	Mohawk River	20	1	268			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	25	121293	Female	4	Mohawk River	16	1	268			1	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	54	121318	Male	4	Mohawk River	20	1	268			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	67	121330	Female	4	Mohawk River	16	1	268			1	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	19		Female	4	Mohawk River	16	1	268			1	6	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	37	121551	Female	4	Mohawk River	16	1	268			1	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	9		Male	4	Mohawk River	20	1	268			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	67		Female	4	Mohawk River	16	1	268			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	89		Female	4	Mohawk River	16	1	268			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	147		Female	4	Mohawk River	16	1	268			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	44		Female	4	Mohawk River	16	1	268	158.4	138.7	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	81		Female	4	Mohawk River	16	1	268	170.7	141.9	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	84		Female	4	Mohawk River	16	1	268			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	180		Male	4	Mohawk River	20	1	268			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	183		Female	4	Mohawk River	16	1	268			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	61		Female	4	Mohawk River	16	1	268			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	91		Male	4	Mohawk River	20	1	268			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	143		Female	4	Mohawk River	16	1	268			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	4		Undetermined	4	Mohawk River	24	1	268			4	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	11		Female	4	Mohawk River	16	1	268			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	49		Undetermined	4	Mohawk River	24	1	268			4	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	57		Female	4	Mohawk River	16	1	268	158.1	143.6	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	58		Female	4	Mohawk River	16	1	268	153.8	141	4	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	18		Female	4	Mohawk River	16	1	268			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	41		Female	4	Mohawk River	16	1	268			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	97		Female	4	Mohawk River	16	1	268			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	106		Female	4	Mohawk River	16	1	268			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	5		Female	4	Mohawk River	16	1	268			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	84		Male	4	Mohawk River	20	1	268			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	4		Female	4	Mohawk River	16	1	268			1	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	33		Male	4	Mohawk River	20	1	268			3	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	51		Undetermined	4	Mohawk River	24	1	268			4	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	10		Male	4	Mohawk River	20	1	268			2	6	5/31/2001	5/31/2001	75	3.75	Hours	Angling	44	Schoharie Region		63	3	9
Blueback Herring	31		Female	4	Mohawk River	16	1	268	152	124	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	32		Male	4	Mohawk River	20	1	268	132	126.7	3	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	82		Female	4	Mohawk River	16	1	268	135.5	127.9	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	81		Female	4	Mohawk River	16	1	268			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	136		Female	4	Mohawk River	16	1	268			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	149		Female	4	Mohawk River	16	1	268			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	18		Female	4	Mohawk River	16	1	268	144.3	128.4	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	22		Female	4	Mohawk River	16	1	268	146.2	126.1	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	9		Male	4	Mohawk River	20	1	268			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	59		Female	4	Mohawk River	16	1	268			1	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	65		Female	4	Mohawk River	16	1	268			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	69		Undetermined	4	Mohawk River	24	1	268			4	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	77		Female	4	Mohawk River	16	1	268			1	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	79		Male	4	Mohawk River	20	1	268			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	127		Female	4	Mohawk River	16	1	269	141	130.5	3	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	88	100643	Female	4	Mohawk River	16	1	269			3	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	1	109113	Undetermined	4	Mohawk River	24	1	269			4	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	77	101287	Female	4	Mohawk River	16	1	269			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	81	101291	Female	4	Mohawk River	16	1	269			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	170	101380	Female	4	Mohawk River	16	1	269			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	226	101436	Female	4	Mohawk River	16	1	269			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	54		Female	4	Mohawk River	16	1	269	168.9	140	1	3	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	13	104048	Female	4	Mohawk River	16	1	269			1	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	30	104162	Female	4	Mohawk River	16	1	269			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	55	104258	Female	4	Mohawk River	16	1	269			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	98	104301	Female	4	Mohawk River	16	1	269			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	305	104508	Female	4	Mohawk River	16	1	269			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	335	104538	Female	4	Mohawk River	16	1	269			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	359	104562	Female	4	Mohawk River	16	1	269			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	378	104581	Female	4	Mohawk River	16	1	269			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	47		Male	4	Mohawk River	20	1	269	152.6	135.1	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	36	104649	Female	4	Mohawk River	16	1	269			1	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	71	104684	Female	4	Mohawk River	16	1	269			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	14	104749	Female	4	Mohawk River	16	1	269			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	29	104857	Female	4	Mohawk River	16	1	269			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	43	104974	Female	4	Mohawk River	16	1	269			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	440	106373	Female	4	Mohawk River	16	1	269			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	14	106510	Male	4	Mohawk River	20	1	269			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	24		Male	4	Mohawk River	20	1	269	135.1	127.4	2	3	6/16/1999	6/16/1999	210	3.5	Hours	Angling	43	Amsterdam Region	2	35	3	
Blueback Herring	42	105213	Female	4	Mohawk River	16	1	269			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	152	105323	Female	4	Mohawk River	16	1	269			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	206	105377	Female	4	Mohawk River	16	1	269			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	30	105504	Female	4	Mohawk River	16	1	269			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	36	105510	Female	4	Mohawk River	16	1	269			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	73	105547	Female	4	Mohawk River	16	1	269			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	134	105608	Female	4	Mohawk River	16	1	269			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	43	107135	Female	4	Mohawk River	16	1	269			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	80	107202	Female	4	Mohawk River	16	1	269			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	81	107203	Female	4	Mohawk River	16	1	269			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	147	107296	Female	4	Mohawk River	16	1	269			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	463		Female	4	Mohawk River	16	1	269			3	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	480	110545	Male	4	Mohawk River	20	1	269			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	21	110021	Female	4	Mohawk River	16	1	269			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	45	110045	Male	4	Mohawk River	20	1	269			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	98	111090	Female	4	Mohawk River	16	1	269			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	52	100653	Female	4	Mohawk River	16	1	269			1	2	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	44	111323	Female	4	Mohawk River	16	1	269			1	1	6/9/1999	6/9/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	45	111404	Male	4	Mohawk River	20	1	269			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	40		Female	4	Mohawk River	16	1	269	135.7	119.1	1	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	4		Male	4	Mohawk River	20	1	269	141.9	127	2	3	6/22/1999	6/22/1999	20	0.333333333	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	49	115399	Female	4	Mohawk River	16	1	269			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	92	115442	Female	4	Mohawk River	16	1	269			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	110	116147	Male	4	Mohawk River	20	1	269			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	160	116197	Male	4	Mohawk River	20	1	269			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	19	116419	Female	4	Mohawk River	16	1	269			1	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	49	117398	Female	4	Mohawk River	16	1	269			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	4	118008	Female	4	Mohawk River	16	1	269			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	49	118053	Male	4	Mohawk River	20	1	269			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	106	118320	Male	4	Mohawk River	20	1	269			2	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	117	118331	Undetermined	4	Mohawk River	24	1	269			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	174		Female	4	Mohawk River	16	1	269	135.3	122.1	2	3	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	7	118371	Male	4	Mohawk River	20	1	269			2	1	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	24	118388	Female	4	Mohawk River	16	1	269			1	1	6/1/2000	6/1/2000	360	12	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	5	117829	Female	4	Mohawk River	16	1	269			1	1	6/13/2000	6/13/2000	175	8.75	Hours	Angling	44	Schoharie Region		53	3	9
Blueback Herring	2		Female	4	Mohawk River	16	1	269	169.2	141.6	1	3	6/13/2000	6/13/2000	155	2.583333333	Hours	Angling	44	Schoharie Region		53	3	9
Blueback Herring	8		Female	4	Mohawk River	16	1	269	159.2	130.7	1	3	6/13/2000	6/13/2000	155	2.583333333	Hours	Angling	44	Schoharie Region		53	3	9
Blueback Herring	1	117849	Female	4	Mohawk River	16	1	269			2	1	6/20/2000	6/20/2000	135	4.5	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	20		Male	4	Mohawk River	20	1	269			2	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	2		Female	4	Mohawk River	16	1	269			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	12		Male	4	Mohawk River	20	1	269			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	7		Male	4	Mohawk River	20	1	269			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	113		Male	4	Mohawk River	20	1	269			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	283		Male	4	Mohawk River	20	1	269			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	83	121346	Female	4	Mohawk River	16	1	269			1	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	78		Male	4	Mohawk River	20	1	269			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	50		Female	4	Mohawk River	16	1	269			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	75		Female	4	Mohawk River	16	1	269			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	91		Undetermined	4	Mohawk River	24	1	269			4	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	110		Female	4	Mohawk River	16	1	269			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	173		Female	4	Mohawk River	16	1	269			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	52		Female	4	Mohawk River	16	1	269			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	57		Female	4	Mohawk River	16	1	269			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	67		Female	4	Mohawk River	16	1	269			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	70		Female	4	Mohawk River	16	1	269			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	86		Female	4	Mohawk River	16	1	269			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	103		Female	4	Mohawk River	16	1	269			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	123		Female	4	Mohawk River	16	1	269			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	128		Female	4	Mohawk River	16	1	269			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	130		Undetermined	4	Mohawk River	24	1	269			4	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	141		Female	4	Mohawk River	16	1	269			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	31		Male	4	Mohawk River	20	1	269			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	10		Female	4	Mohawk River	16	1	269	165.5	140.9	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	56		Male	4	Mohawk River	20	1	269			2	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	36		Female	4	Mohawk River	16	1	269	161.3	131.9	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	66		Female	4	Mohawk River	16	1	269	145.6	128.7	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	46		Female	4	Mohawk River	16	1	269			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	1		Male	4	Mohawk River	20	1	269			2	6	6/6/2001	6/6/2001	60	3	Hours	Angling	43	Amsterdam Region		34	3	9
Blueback Herring	3		Female	4	Mohawk River	16	1	269			3	6	6/6/2001	6/6/2001	60	3	Hours	Angling	43	Amsterdam Region		34	3	9
Blueback Herring	19		Female	4	Mohawk River	16	1	269	134.3	122.2	3	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	32		Female	4	Mohawk River	16	1	269	146.4	125.2	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	43		Female	4	Mohawk River	16	1	269	145.4	132.2	3	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	89		Female	4	Mohawk River	16	1	269	147.1	126.9	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	1		Male	4	Mohawk River	20	1	269			2	6	6/12/2001	6/12/2001	60	3	Hours	Angling	45	Little Falls River		70	3	9
Blueback Herring	4		Female	4	Mohawk River	16	1	269			1	6	6/12/2001	6/12/2001	45	2.25	Hours	Angling	43	Amsterdam Region		38	3	9
Blueback Herring	3		Female	4	Mohawk River	16	1	269			1	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	35		Male	4	Mohawk River	20	1	269			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	36		Female	4	Mohawk River	16	1	269			1	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	4	120601	Female	4	Mohawk River	16	1	269			2	1	5/29/2001	5/29/2001	13	0.216666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	68	100434	Female	4	Mohawk River	16	1	270			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	4	100470	Female	4	Mohawk River	16	1	270			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	40	100683	Female	4	Mohawk River	16	1	270			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	139	100776	Female	4	Mohawk River	16	1	270			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	169	100803	Female	4	Mohawk River	16	1	270			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	277		Female	4	Mohawk River	16	1	270	134.3	119.2	1	3	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	18	109124	Undetermined	4	Mohawk River	24	1	270			4	1	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	52	101145	Female	4	Mohawk River	16	1	270			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	60	101270	Female	4	Mohawk River	16	1	270			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	240	101450	Female	4	Mohawk River	16	1	270			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	246	101456	Female	4	Mohawk River	16	1	270			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	15	101482	Female	4	Mohawk River	16	1	270			1	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	50		Female	4	Mohawk River	16	1	270	167.7	136.7	1	3	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	6	104006	Female	4	Mohawk River	16	1	270			1	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	37	104037	Female	4	Mohawk River	16	1	270			1	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	33	104058	Female	4	Mohawk River	16	1	270			1	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	5	101322	Female	4	Mohawk River	16	1	270			2	2	5/18/1999	5/18/1999	25	0.416666667	Hours	ft. x 3.00 in. gill ne	41	Waterford Region	3	1	3	
Blueback Herring	10	104070	Female	4	Mohawk River	16	1	270			1	1	5/18/1999	5/18/1999	20	0.333333333	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	10	104142	Female	4	Mohawk River	16	1	270			1	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	15	104218	Female	4	Mohawk River	16	1	270			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	34	104237	Male	4	Mohawk River	20	1	270			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	151	104354	Female	4	Mohawk River	16	1	270			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	157	104360	Female	4	Mohawk River	16	1	270			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	318	104521	Female	4	Mohawk River	16	1	270			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	376	104579	Female	4	Mohawk River	16	1	270			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	386	104589	Female	4	Mohawk River	16	1	270			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	396	104599	Female	4	Mohawk River	16	1	270			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	112	104725	Female	4	Mohawk River	16	1	270			1	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	3		Female	4	Mohawk River	16	1	270	187.2	153.8	1	3	5/25/1999	5/26/1999	924	15.4	Hours	ft. x 2.50 in. gill ne	45	Little Falls River	6	62	3	
Blueback Herring	82	104911	Female	4	Mohawk River	16	1	270			1	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	446	106379	Female	4	Mohawk River	16	1	270			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	490	106423	Male	4	Mohawk River	20	1	270			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	59	105230	Female	4	Mohawk River	16	1	270			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	62	105233	Female	4	Mohawk River	16	1	270			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	112	105283	Female	4	Mohawk River	16	1	270			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	148	105319	Female	4	Mohawk River	16	1	270			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	166	105337	Female	4	Mohawk River	16	1	270			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	278	105449	Female	4	Mohawk River	16	1	270			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	67	105753	Female	4	Mohawk River	16	1	270			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	136	105822	Female	4	Mohawk River	16	1	270			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	99	107098	Female	4	Mohawk River	16	1	270			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	120	107268	Female	4	Mohawk River	16	1	270			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	224	107373	Female	4	Mohawk River	16	1	270			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	249	107398	Female	4	Mohawk River	16	1	270			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	29		Female	4	Mohawk River	16	1	270	159.1	132.3	1	3	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	363	110434	Male	4	Mohawk River	20	1	270			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	6	110006	Female	4	Mohawk River	16	1	270			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	42	110042	Female	4	Mohawk River	16	1	270			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	119	110119	Female	4	Mohawk River	16	1	270			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	159	110159	Female	4	Mohawk River	16	1	270			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	240	110240	Male	4	Mohawk River	20	1	270			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	186	110890	Female	4	Mohawk River	16	1	270			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	37	111362	Undetermined	4	Mohawk River	24	1	270			4	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	89	111443	Male	4	Mohawk River	20	1	270			2	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	101	111455	Undetermined	4	Mohawk River	24	1	270			4	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	3		Male	4	Mohawk River	20	1	270	124.7	114.6	3	3	6/11/1999	6/11/1999	180	3	Hours	Angling	42	Schenectady Region	4	12	3	
Blueback Herring	12		Male	4	Mohawk River	20	1	270	128.9	120.9	2	3	6/30/1999	6/30/1999	130	2.166666667	Hours	Angling	44	Schoharie Region	5	64	3	9
Blueback Herring	14	115364	Female	4	Mohawk River	16	1	270			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	109	115459	Female	4	Mohawk River	16	1	270			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	149	115499	Female	4	Mohawk River	16	1	270			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	12	116049	Female	4	Mohawk River	16	1	270			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	36	116073	Female	4	Mohawk River	16	1	270			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	115	116152	Female	4	Mohawk River	16	1	270			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	147	116184	Female	4	Mohawk River	16	1	270			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	170	116207	Female	4	Mohawk River	16	1	270			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	211	116248	Female	4	Mohawk River	16	1	270			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	244	116281	Female	4	Mohawk River	16	1	270			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	261	116298	Female	4	Mohawk River	16	1	270			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	6	116406	Male	4	Mohawk River	20	1	270			2	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	22	116422	Female	4	Mohawk River	16	1	270			1	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	39	117388	Female	4	Mohawk River	16	1	270			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	23		Female	4	Mohawk River	16	1	270	181.2	146.4	1	3	5/23/2000	5/23/2000	70	2.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	54	118058	Female	4	Mohawk River	16	1	270			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	55	118165	Female	4	Mohawk River	16	1	270			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	59	118169	Female	4	Mohawk River	16	1	270			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	4	118218	Female	4	Mohawk River	16	1	270			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	31	118245	Female	4	Mohawk River	16	1	270			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	96	118310	Female	4	Mohawk River	16	1	270			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	111	118325	Female	4	Mohawk River	16	1	270			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	130	118344	Female	4	Mohawk River	16	1	270			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	1	118451	Male	4	Mohawk River	20	1	270			2	1	6/6/2000	6/6/2000	180	6	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	26		Male	4	Mohawk River	20	1	270			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	66		Female	4	Mohawk River	16	1	270			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	72		Male	4	Mohawk River	20	1	270			2	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	67		Male	4	Mohawk River	20	1	270			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	81		Female	4	Mohawk River	16	1	270			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	12		Male	4	Mohawk River	20	1	270			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	32		Male	4	Mohawk River	20	1	270			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	57		Female	4	Mohawk River	16	1	270			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	90		Male	4	Mohawk River	20	1	270			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	124		Undetermined	4	Mohawk River	24	1	270			4	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	131		Undetermined	4	Mohawk River	24	1	270			4	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	217		Male	4	Mohawk River	20	1	270			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	220		Female	4	Mohawk River	16	1	270			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	255		Female	4	Mohawk River	16	1	270			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	13	121281	Undetermined	4	Mohawk River	24	1	270			4	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	28	121296	Undetermined	4	Mohawk River	24	1	270			4	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	75	121338	Female	4	Mohawk River	16	1	270			1	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	109	121371	Female	4	Mohawk River	16	1	270			1	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	16	121535	Female	4	Mohawk River	16	1	270			1	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	17		Female	4	Mohawk River	16	1	270			1	6	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	93		Female	4	Mohawk River	16	1	270			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	142		Female	4	Mohawk River	16	1	270			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	55		Male	4	Mohawk River	20	1	270	163.8	137.6	2	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	3		Female	4	Mohawk River	16	1	270			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	13		Male	4	Mohawk River	20	1	270			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	68		Female	4	Mohawk River	16	1	270			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	81		Female	4	Mohawk River	16	1	270			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	127		Female	4	Mohawk River	16	1	270			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	197		Female	4	Mohawk River	16	1	270			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	209		Female	4	Mohawk River	16	1	270			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	6		Female	4	Mohawk River	16	1	270			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	88		Female	4	Mohawk River	16	1	270			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	105		Female	4	Mohawk River	16	1	270			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	118		Female	4	Mohawk River	16	1	270			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	134		Female	4	Mohawk River	16	1	270			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	13		Female	4	Mohawk River	16	1	270			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	33		Female	4	Mohawk River	16	1	270			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	88		Female	4	Mohawk River	16	1	270			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	30		Female	4	Mohawk River	16	1	270			3	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	88		Female	4	Mohawk River	16	1	270			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	100		Female	4	Mohawk River	16	1	270			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	12		Female	4	Mohawk River	16	1	270			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	23		Male	4	Mohawk River	20	1	270			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	39		Female	4	Mohawk River	16	1	270			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	41		Female	4	Mohawk River	16	1	270			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	43		Female	4	Mohawk River	16	1	270			3	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	47		Female	4	Mohawk River	16	1	270			1	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	57		Female	4	Mohawk River	16	1	270			1	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	20		Female	4	Mohawk River	16	1	270			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	33		Female	4	Mohawk River	16	1	270			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	74		Female	4	Mohawk River	16	1	270			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	32		Female	4	Mohawk River	16	1	270			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	50		Female	4	Mohawk River	16	1	270			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	108		Female	4	Mohawk River	16	1	270			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	120		Female	4	Mohawk River	16	1	270			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	123		Female	4	Mohawk River	16	1	270			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	141		Female	4	Mohawk River	16	1	270			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	47		Female	4	Mohawk River	16	1	270	178.3	144.7	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	67		Male	4	Mohawk River	20	1	270	141.9	133.9	2	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	73		Female	4	Mohawk River	16	1	270	135	125.6	3	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	28		Female	4	Mohawk River	16	1	270			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	5	120602	Female	4	Mohawk River	16	1	270			1	1	5/29/2001	5/29/2001	13	0.216666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	39	100405	Female	4	Mohawk River	16	1	271			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	78	100444	Female	4	Mohawk River	16	1	271			3	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	27	100493	Female	4	Mohawk River	16	1	271			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	32	100498	Female	4	Mohawk River	16	1	271			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	2	100558	Female	4	Mohawk River	16	1	271			1	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	9	100565	Female	4	Mohawk River	16	1	271			1	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	8	100653	Female	4	Mohawk River	16	1	271			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	87	100726	Undetermined	4	Mohawk River	24	1	271			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	104	100968	Female	4	Mohawk River	16	1	271			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	6	101032	Female	4	Mohawk River	16	1	271			1	1	5/11/1999	5/11/1999	70	1.166666667	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	5	101047	Female	4	Mohawk River	16	1	271			1	1	5/11/1999	5/11/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	57	101150	Female	4	Mohawk River	16	1	271			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	93	101186	Male	4	Mohawk River	20	1	271			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	95	101188	Male	4	Mohawk River	20	1	271			2	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	121	101331	Female	4	Mohawk River	16	1	271			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	222	101432	Female	4	Mohawk River	16	1	271			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	49		Female	4	Mohawk River	16	1	271	172.9	143.7	1	3	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	5	104044	Female	4	Mohawk River	16	1	271			3	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	54	104186	Female	4	Mohawk River	16	1	271			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	66	104269	Female	4	Mohawk River	16	1	271			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	85	104288	Female	4	Mohawk River	16	1	271			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	167	104370	Female	4	Mohawk River	16	1	271			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	364	104567	Female	4	Mohawk River	16	1	271			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	403	104606	Male	4	Mohawk River	20	1	271			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	64		Female	4	Mohawk River	16	1	271	174.9	145.2	2	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	80	104693	Male	4	Mohawk River	20	1	271			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	1		Female	4	Mohawk River	16	1	271	165.4	139.8	2	3	5/25/1999	5/26/1999	924	15.4	Hours	ft. x 2.50 in. gill ne	45	Little Falls River	6	62	3	
Blueback Herring	39	104970	Female	4	Mohawk River	16	1	271			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	288	106220	Female	4	Mohawk River	16	1	271			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	50	106546	Female	4	Mohawk River	16	1	271			1	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	4	105175	Female	4	Mohawk River	16	1	271			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	52	105223	Female	4	Mohawk River	16	1	271			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	60	105231	Female	4	Mohawk River	16	1	271			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	120	105291	Female	4	Mohawk River	16	1	271			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	94	105568	Female	4	Mohawk River	16	1	271			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	104	105578	Female	4	Mohawk River	16	1	271			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	187	105874	Female	4	Mohawk River	16	1	271			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	196	105883	Female	4	Mohawk River	16	1	271			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	169	107540	Female	4	Mohawk River	16	1	271			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	273	107643	Female	4	Mohawk River	16	1	271			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	292	107662	Female	4	Mohawk River	16	1	271			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	86	107085	Female	4	Mohawk River	16	1	271			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	324	107473	Female	4	Mohawk River	16	1	271			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	231	107956	Female	4	Mohawk River	16	1	271			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	446		Female	4	Mohawk River	16	1	271			3	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	53	110762	Undetermined	4	Mohawk River	24	1	271			4	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	200	110904	Female	4	Mohawk River	16	1	271			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	26	110963	Male	4	Mohawk River	20	1	271			2	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	188	111177	Female	4	Mohawk River	16	1	271			2	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	18		Female	4	Mohawk River	16	1	271	142.1	122.7	1	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	105	115455	Male	4	Mohawk River	20	1	271			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	14	116051	Female	4	Mohawk River	16	1	271			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	117	116154	Female	4	Mohawk River	16	1	271			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	15		Female	4	Mohawk River	16	1	271	169.8	121	1	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	1	117797	Female	4	Mohawk River	16	1	271			1	1	6/12/2000	6/12/2000	50	0.833333333	Hours	ft. x 2.50 in. gill ne	42	Schenectady Region		29	3	9
Blueback Herring	2		Female	4	Mohawk River	16	1	271	157	125.8	1	3	5/31/2000	5/31/2000	35	1.75	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	57	118271	Female	4	Mohawk River	16	1	271			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	158		Female	4	Mohawk River	16	1	271	155	137.7	1	3	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	1	117847	Female	4	Mohawk River	16	1	271			1	1	6/20/2000	6/20/2000	75	2.5	Hours	Angling	42	Schenectady Region		29	3	9
Blueback Herring	5	117853	Female	4	Mohawk River	16	1	271			1	1	6/20/2000	6/20/2000	135	4.5	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	2	117861	Female	4	Mohawk River	16	1	271			1	1	6/21/2000	6/21/2000	310	10.33333333	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	35		Female	4	Mohawk River	16	1	271			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	59		Male	4	Mohawk River	20	1	271			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	17		Female	4	Mohawk River	16	1	271			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	34		Female	4	Mohawk River	16	1	271			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	83		Male	4	Mohawk River	20	1	271			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	99		Female	4	Mohawk River	16	1	271			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	14		Female	4	Mohawk River	16	1	271			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	71		Male	4	Mohawk River	20	1	271			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	86		Female	4	Mohawk River	16	1	271			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	98		Male	4	Mohawk River	20	1	271			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	194		Female	4	Mohawk River	16	1	271			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	204		Female	4	Mohawk River	16	1	271			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	231		Female	4	Mohawk River	16	1	271			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	269		Female	4	Mohawk River	16	1	271			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	312		Male	4	Mohawk River	20	1	271			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	336		Male	4	Mohawk River	20	1	271			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	342		Male	4	Mohawk River	20	1	271			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	35	121303	Female	4	Mohawk River	16	1	271			2	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	79	121342	Male	4	Mohawk River	20	1	271			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	100	121362	Female	4	Mohawk River	16	1	271			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	49		Female	4	Mohawk River	16	1	271			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	36		Female	4	Mohawk River	16	1	271			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	42		Female	4	Mohawk River	16	1	271			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	47		Female	4	Mohawk River	16	1	271			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	65		Female	4	Mohawk River	16	1	271			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	150		Male	4	Mohawk River	20	1	271			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	37		Female	4	Mohawk River	16	1	271			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	13		Male	4	Mohawk River	20	1	271	146	142.5	3	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	35		Female	4	Mohawk River	16	1	271	142.8	135.4	3	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	37		Female	4	Mohawk River	16	1	271	140.8	131.6	3	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	83		Female	4	Mohawk River	16	1	271	190.6	154.5	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	8		Female	4	Mohawk River	16	1	271			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	28		Female	4	Mohawk River	16	1	271			3	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	1		Female	4	Mohawk River	16	1	271			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	10		Female	4	Mohawk River	16	1	271			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	17		Female	4	Mohawk River	16	1	271			1	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	49		Female	4	Mohawk River	16	1	271	148.1	132.1	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	14		Female	4	Mohawk River	16	1	271			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	11		Female	4	Mohawk River	16	1	271			1	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	5	100471	Female	4	Mohawk River	16	1	272			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	124	100988	Female	4	Mohawk River	16	1	272			3	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	139		Female	4	Mohawk River	16	1	272			3	6	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	9	101035	Female	4	Mohawk River	16	1	272			1	1	5/11/1999	5/11/1999	70	1.166666667	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	124	101334	Female	4	Mohawk River	16	1	272			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	156	101366	Female	4	Mohawk River	16	1	272			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	35	104238	Female	4	Mohawk River	16	1	272			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	59	104262	Male	4	Mohawk River	20	1	272			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	64	104267	Male	4	Mohawk River	20	1	272			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	220	104423	Female	4	Mohawk River	16	1	272			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	39	104652	Male	4	Mohawk River	20	1	272			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	4		Female	4	Mohawk River	16	1	272	180.8	145.4	2	3	5/25/1999	5/26/1999	924	15.4	Hours	ft. x 2.50 in. gill ne	45	Little Falls River	6	62	3	
Blueback Herring	10	104828	Female	4	Mohawk River	16	1	272			1	1	5/27/1999	5/27/1999	82	1.366666667	Hours	Angling	42	Schenectady Region	4	23	3	
Blueback Herring	76	104905	Female	4	Mohawk River	16	1	272			1	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	95	104926	Female	4	Mohawk River	16	1	272			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	144	106075	Female	4	Mohawk River	16	1	272			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	153	106084	Female	4	Mohawk River	16	1	272			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	10	106506	Female	4	Mohawk River	16	1	272			1	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	46	106542	Female	4	Mohawk River	16	1	272			1	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	14		Female	4	Mohawk River	16	1	272	156.1	139.3	3	3	6/17/1999	6/17/1999	90	1.5	Hours	Angling	44	Schoharie Region	4	64	3	
Blueback Herring	117	105288	Male	4	Mohawk River	20	1	272			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	123	105294	Female	4	Mohawk River	16	1	272			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	199	105370	Female	4	Mohawk River	16	1	272			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	211	105382	Female	4	Mohawk River	16	1	272			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	87	105773	Female	4	Mohawk River	16	1	272			2	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	135	105821	Male	4	Mohawk River	20	1	272			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	297	107667	Female	4	Mohawk River	16	1	272			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	52	107051	Female	4	Mohawk River	16	1	272			3	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	317	107466	Male	4	Mohawk River	20	1	272			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	357	107704	Female	4	Mohawk River	16	1	272			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	419	110489	Female	4	Mohawk River	16	1	272			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	96	110804	Female	4	Mohawk River	16	1	272			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	33	107275	Undetermined	4	Mohawk River	24	1	272			4	2	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	13		Male	4	Mohawk River	20	1	272			2	6	6/8/1999	6/8/1999				Angling	41	Waterford Region	2	1	3	9
Blueback Herring	29	115379	Female	4	Mohawk River	16	1	272			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	142	115492	Female	4	Mohawk River	16	1	272			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	134	116171	Male	4	Mohawk River	20	1	272			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	20		Female	4	Mohawk River	16	1	272	194.5	161	1	3	5/11/2000	5/11/2000	15	0.25	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	3	2
Blueback Herring	7	117357	Female	4	Mohawk River	16	1	272			1	1	5/31/2000	5/31/2000	100	1.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	112	118326	Female	4	Mohawk River	16	1	272			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	19		Undetermined	4	Mohawk River	24	1	272			4	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	36		Female	4	Mohawk River	16	1	272			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	45		Female	4	Mohawk River	16	1	272			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	72		Female	4	Mohawk River	16	1	272			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	91		Female	4	Mohawk River	16	1	272			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	215		Male	4	Mohawk River	20	1	272			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	248		Male	4	Mohawk River	20	1	272			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	31	121299	Undetermined	4	Mohawk River	24	1	272			4	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	84	121347	Female	4	Mohawk River	16	1	272			1	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	91	121354	Female	4	Mohawk River	16	1	272			1	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	39	121553	Female	4	Mohawk River	16	1	272			1	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	96		Female	4	Mohawk River	16	1	272			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	56		Female	4	Mohawk River	16	1	272			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	164		Female	4	Mohawk River	16	1	272			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	206		Female	4	Mohawk River	16	1	272			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	9		Female	4	Mohawk River	16	1	272			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	135		Female	4	Mohawk River	16	1	272			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	147		Female	4	Mohawk River	16	1	272			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	59		Female	4	Mohawk River	16	1	272			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	15		Female	4	Mohawk River	16	1	272	157.2	138.3	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	49		Female	4	Mohawk River	16	1	272	175.3	144.9	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	82		Male	4	Mohawk River	20	1	272	173.1	153.2	2	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	17		Undetermined	4	Mohawk River	24	1	272			4	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	47		Female	4	Mohawk River	16	1	272			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	50		Female	4	Mohawk River	16	1	272			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	70		Female	4	Mohawk River	16	1	272			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	71		Female	4	Mohawk River	16	1	272			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	92		Female	4	Mohawk River	16	1	272			3	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	48		Female	4	Mohawk River	16	1	272			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	29		Female	4	Mohawk River	16	1	272			3	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	36		Undetermined	4	Mohawk River	24	1	272			4	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	52		Female	4	Mohawk River	16	1	272			3	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	51		Female	4	Mohawk River	16	1	272	158.9	134.4	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	68		Female	4	Mohawk River	16	1	272	129.1	125.2	3	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	63		Male	4	Mohawk River	20	1	272			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	73		Female	4	Mohawk River	16	1	272			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	2		Female	4	Mohawk River	16	1	272	147.3	124.5	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	69		Female	4	Mohawk River	16	1	272	134.6	129.3	3	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	30		Female	4	Mohawk River	16	1	272			1	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	2	120644	Female	4	Mohawk River	16	1	272			1	1	5/29/2001	5/29/2001	13	0.216666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	36	100402	Female	4	Mohawk River	16	1	273			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	110		Female	4	Mohawk River	16	1	273	198.2	163.7	1	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	57	100523	Female	4	Mohawk River	16	1	273			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	142		Female	4	Mohawk River	16	1	273			3	6	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	70	101163	Female	4	Mohawk River	16	1	273			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	86	101179	Female	4	Mohawk River	16	1	273			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	104	101197	Female	4	Mohawk River	16	1	273			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	106	101199	Female	4	Mohawk River	16	1	273			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	45	101255	Female	4	Mohawk River	16	1	273			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	110	101320	Female	4	Mohawk River	16	1	273			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	112	101322	Female	4	Mohawk River	16	1	273			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	4	101471	Male	4	Mohawk River	20	1	273			2	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	32	101499	Female	4	Mohawk River	16	1	273			1	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	57		Female	4	Mohawk River	16	1	273	167.8	145.9	1	3	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	45	104248	Male	4	Mohawk River	20	1	273			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	399	104602	Male	4	Mohawk River	20	1	273			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	22	104757	Male	4	Mohawk River	20	1	273			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	72	104901	Female	4	Mohawk River	16	1	273			1	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	195	106127	Female	4	Mohawk River	16	1	273			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	263	105434	Female	4	Mohawk River	16	1	273			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	24	105498	Female	4	Mohawk River	16	1	273			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	56	105530	Male	4	Mohawk River	20	1	273			2	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	3	105972	Female	4	Mohawk River	16	1	273			1	1	5/28/1999	5/28/1999	30	0.5	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	191	107562	Female	4	Mohawk River	16	1	273			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	251	107621	Female	4	Mohawk River	16	1	273			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	5	107005	Female	4	Mohawk River	16	1	273			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	208	107357	Female	4	Mohawk River	16	1	273			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	269	107418	Male	4	Mohawk River	20	1	273			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	74	107803	Male	4	Mohawk River	20	1	273			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	72	110781	Female	4	Mohawk River	16	1	273			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	117	110824	Female	4	Mohawk River	16	1	273			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	140	110846	Female	4	Mohawk River	16	1	273			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	229	110933	Female	4	Mohawk River	16	1	273			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	20	110957	Female	4	Mohawk River	16	1	273			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	13	111375	Female	4	Mohawk River	16	1	273			1	1	6/10/1999	6/10/1999				Angling	43	Amsterdam Region	3	28	3	
Blueback Herring	1		Male	4	Mohawk River	20	1	273	126.2	117.8	2	3	6/16/1999	6/16/1999	90	1.5	Hours	Angling	45	Little Falls River	4	64	3	
Blueback Herring	24	115374	Female	4	Mohawk River	16	1	273			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	225	116262	Undetermined	4	Mohawk River	24	1	273			4	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	16		Female	4	Mohawk River	16	1	273	201.5	164.4	1	3	5/11/2000	5/11/2000	15	0.25	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	3	2
Blueback Herring	16	117788	Female	4	Mohawk River	16	1	273			1	1	6/5/2000	6/5/2000	120	6	Hours	Angling	42	Schenectady Region		12	3	9

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	109	118323	Female	4	Mohawk River	16	1	273			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	48		Male	4	Mohawk River	20	1	273			2	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	31		Male	4	Mohawk River	20	1	273			2	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	23		Female	4	Mohawk River	16	1	273			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	29		Male	4	Mohawk River	20	1	273			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	39		Male	4	Mohawk River	20	1	273			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	50		Female	4	Mohawk River	16	1	273			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	161		Female	4	Mohawk River	16	1	273			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	261		Female	4	Mohawk River	16	1	273			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	305		Male	4	Mohawk River	20	1	273			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	311		Female	4	Mohawk River	16	1	273			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	129		Female	4	Mohawk River	16	1	273			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	11		Female	4	Mohawk River	16	1	273	168.7	139.6	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	149		Female	4	Mohawk River	16	1	273			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	51		Female	4	Mohawk River	16	1	273			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	92		Female	4	Mohawk River	16	1	273			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	41		Female	4	Mohawk River	16	1	273			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	57		Female	4	Mohawk River	16	1	273			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	54		Female	4	Mohawk River	16	1	273			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	72		Female	4	Mohawk River	16	1	273			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	77		Female	4	Mohawk River	16	1	273			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	65		Male	4	Mohawk River	20	1	273			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	87		Male	4	Mohawk River	20	1	273			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	54		Female	4	Mohawk River	16	1	273			1	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	2		Female	4	Mohawk River	16	1	273			3	6	6/6/2001	6/6/2001	60	3	Hours	Angling	43	Amsterdam Region		34	3	9
Blueback Herring	31		Female	4	Mohawk River	16	1	273			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	14	120620	Female	4	Mohawk River	16	1	273			1	1	5/29/2001	5/29/2001	10	0.166666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	5	120647	Female	4	Mohawk River	16	1	273			1	1	5/29/2001	5/29/2001	13	0.216666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	55	100521	Male	4	Mohawk River	20	1	274			2	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	5	100650	Male	4	Mohawk River	20	1	274			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	172	100806	Undetermined	4	Mohawk River	24	1	274			4	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	24	100900	Male	4	Mohawk River	20	1	274			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	173	109031	Male	4	Mohawk River	20	1	274			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	21	109147	Female	4	Mohawk River	16	1	274			1	9	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	186	101396	Female	4	Mohawk River	16	1	274			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	204	101414	Female	4	Mohawk River	16	1	274			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	38	104241	Female	4	Mohawk River	16	1	274			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	44		Female	4	Mohawk River	16	1	274	195.9	152.7	1	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	66	104679	Female	4	Mohawk River	16	1	274			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	87	104700	Female	4	Mohawk River	16	1	274			2	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	2		Female	4	Mohawk River	16	1	274	173.4	139.6	2	3	5/25/1999	5/26/1999	924	15.4	Hours	ft. x 2.50 in. gill ne	45	Little Falls River	6	62	3	
Blueback Herring	15	104750	Male	4	Mohawk River	20	1	274			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	266	106198	Female	4	Mohawk River	16	1	274			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	207	105378	Male	4	Mohawk River	20	1	274			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	152	105626	Female	4	Mohawk River	16	1	274			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	308	107457	Female	4	Mohawk River	16	1	274			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	315	107464	Female	4	Mohawk River	16	1	274			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	347	107496	Female	4	Mohawk River	16	1	274			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	300	110300	Female	4	Mohawk River	16	1	274			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	40	110349	Female	4	Mohawk River	16	1	274			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	292	111277	Undetermined	4	Mohawk River	24	1	274			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	74	110664	Female	4	Mohawk River	16	1	274			1	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	7		Male	4	Mohawk River	20	1	274			2	6	6/17/1999	6/17/1999	45	0.75	Hours	Scap net/Lift net	44	Schoharie Region	3	61	3	
Blueback Herring	32	115382	Male	4	Mohawk River	20	1	274			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	37	116074	Male	4	Mohawk River	20	1	274			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	12	118016	Female	4	Mohawk River	16	1	274			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	97	118101	Male	4	Mohawk River	20	1	274			2	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	41	118151	Female	4	Mohawk River	16	1	274			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	131	118345	Female	4	Mohawk River	16	1	274			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	7	117831	Female	4	Mohawk River	16	1	274			1	1	6/13/2000	6/13/2000	175	8.75	Hours	Angling	44	Schoharie Region		53	3	9
Blueback Herring	31		Female	4	Mohawk River	16	1	274			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	14		Female	4	Mohawk River	16	1	274			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	26		Female	4	Mohawk River	16	1	274			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	71		Female	4	Mohawk River	16	1	274			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	49		Female	4	Mohawk River	16	1	274			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	176		Female	4	Mohawk River	16	1	274			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	29	121297	Undetermined	4	Mohawk River	24	1	274			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	8		Undetermined	4	Mohawk River	24	1	274			4	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	75		Male	4	Mohawk River	20	1	274			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	119		Male	4	Mohawk River	20	1	274			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	1		Female	4	Mohawk River	16	1	274			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	26		Female	4	Mohawk River	16	1	274			2	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	89		Female	4	Mohawk River	16	1	274			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	108		Female	4	Mohawk River	16	1	274			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	59		Female	4	Mohawk River	16	1	274			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	60		Female	4	Mohawk River	16	1	274			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	80		Female	4	Mohawk River	16	1	274			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	102		Female	4	Mohawk River	16	1	274			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	103		Female	4	Mohawk River	16	1	274			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	74		Female	4	Mohawk River	16	1	274			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	50		Female	4	Mohawk River	16	1	274			1	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	1		Female	4	Mohawk River	16	1	274			3	6	5/31/2001	5/31/2001	75	3.75	Hours	Angling	44	Schoharie Region		63	3	9
Blueback Herring	74		Female	4	Mohawk River	16	1	274	136.2	130.7	3	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	9		Female	4	Mohawk River	16	1	274			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	14		Female	4	Mohawk River	16	1	274			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	20		Female	4	Mohawk River	16	1	274			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	100		Male	4	Mohawk River	20	1	274			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	24		Female	4	Mohawk River	16	1	274	179.9	149.4	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	37		Female	4	Mohawk River	16	1	274	150.9	134.8	3	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	12		Female	4	Mohawk River	16	1	274			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	81		Female	4	Mohawk River	16	1	274			1	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	21	100387	Female	4	Mohawk River	16	1	275			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	27	100393	Female	4	Mohawk River	16	1	275			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	98	100464	Female	4	Mohawk River	16	1	275			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	106		Female	4	Mohawk River	16	1	275	187.5	157.9	1	3	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	79	100950	Female	4	Mohawk River	16	1	275			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	18	101060	Male	4	Mohawk River	20	1	275			2	1	5/11/1999	5/11/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	23	101065	Female	4	Mohawk River	16	1	275			1	1	5/11/1999	5/11/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	25	101067	Female	4	Mohawk River	16	1	275			1	1	5/11/1999	5/11/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	223	101433	Female	4	Mohawk River	16	1	275			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	25	104157	Female	4	Mohawk River	16	1	275			1	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	140	104343	Female	4	Mohawk River	16	1	275			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	154	104357	Female	4	Mohawk River	16	1	275			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	219	104422	Male	4	Mohawk River	20	1	275			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	249	104452	Female	4	Mohawk River	16	1	275			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	30	104765	Male	4	Mohawk River	20	1	275			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	69	105000	Female	4	Mohawk River	16	1	275			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	81	106039	Male	4	Mohawk River	20	1	275			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	243	106175	Female	4	Mohawk River	16	1	275			3	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	68	105239	Female	4	Mohawk River	16	1	275			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	260	105431	Female	4	Mohawk River	16	1	275			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	50	105736	Female	4	Mohawk River	16	1	275			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	431	110501	Female	4	Mohawk River	16	1	275			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	29	110966	Undetermined	4	Mohawk River	24	1	275			4	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	221	111208	Undetermined	4	Mohawk River	24	1	275			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	7	108017	Female	4	Mohawk River	16	1	275			1	1	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	18	111344	Female	4	Mohawk River	16	1	275			1	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	42	115392	Male	4	Mohawk River	20	1	275			2	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	23	116060	Female	4	Mohawk River	16	1	275			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	186	116223	Male	4	Mohawk River	20	1	275			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	151		Female	4	Mohawk River	16	1	275	163.1	127.8	1	3	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	19	118413	Female	4	Mohawk River	16	1	275			1	1	6/2/2000	6/2/2000	40	2	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	40		Male	4	Mohawk River	20	1	275			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	66		Female	4	Mohawk River	16	1	275			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	92		Female	4	Mohawk River	16	1	275			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	24		Male	4	Mohawk River	20	1	275			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	97		Female	4	Mohawk River	16	1	275			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	142		Female	4	Mohawk River	16	1	275			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	206		Female	4	Mohawk River	16	1	275			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	240		Undetermined	4	Mohawk River	24	1	275			4	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	308		Female	4	Mohawk River	16	1	275			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	98	121360	Female	4	Mohawk River	16	1	275			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	6		Female	4	Mohawk River	16	1	275			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	23		Female	4	Mohawk River	16	1	275			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	35		Male	4	Mohawk River	20	1	275			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	71		Female	4	Mohawk River	16	1	275			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	95		Male	4	Mohawk River	20	1	275			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	3		Female	4	Mohawk River	16	1	275	177.8	143.4	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	109		Female	4	Mohawk River	16	1	275			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	130		Female	4	Mohawk River	16	1	275			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	179		Female	4	Mohawk River	16	1	275			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	15		Female	4	Mohawk River	16	1	275			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	74		Female	4	Mohawk River	16	1	275			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	36		Female	4	Mohawk River	16	1	275			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	110		Female	4	Mohawk River	16	1	275			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	123		Female	4	Mohawk River	16	1	275			3	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	6		Female	4	Mohawk River	16	1	275			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	34		Female	4	Mohawk River	16	1	275			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	36		Female	4	Mohawk River	16	1	275			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	56		Female	4	Mohawk River	16	1	275			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	84		Female	4	Mohawk River	16	1	275			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	127		Female	4	Mohawk River	16	1	275			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	68		Female	4	Mohawk River	16	1	275	173.9	137.3	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	42		Undetermined	4	Mohawk River	24	1	275			4	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	86	100452	Female	4	Mohawk River	16	1	276			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	35	100501	Female	4	Mohawk River	16	1	276			3	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	87	100642	Female	4	Mohawk River	16	1	276			1	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	90	100729	Male	4	Mohawk River	20	1	276			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	42		Female	4	Mohawk River	16	1	276	175.3	143.7	1	3	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	32		Female	4	Mohawk River	16	1	276			1	9	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	4	104064	Female	4	Mohawk River	16	1	276			1	1	5/18/1999	5/18/1999	20	0.333333333	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	4	104136	Female	4	Mohawk River	16	1	276			1	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	9	104141	Female	4	Mohawk River	16	1	276			1	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	287	104490	Female	4	Mohawk River	16	1	276			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	13	104790	Female	4	Mohawk River	16	1	276			1	1	5/26/1999	5/26/1999	100	1.666666667	Hours	Angling	43	Amsterdam Region	2	34	3	
Blueback Herring	26	104957	Male	4	Mohawk River	20	1	276			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	360	106292	Female	4	Mohawk River	16	1	276			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	19	105190	Female	4	Mohawk River	16	1	276			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	67	105238	Male	4	Mohawk River	20	1	276			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	154	105325	Female	4	Mohawk River	16	1	276			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	276	105447	Female	4	Mohawk River	16	1	276			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	67	105541	Female	4	Mohawk River	16	1	276			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	72	105546	Female	4	Mohawk River	16	1	276			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	101	105787	Female	4	Mohawk River	16	1	276			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	7	105976	Female	4	Mohawk River	16	1	276			1	1	5/28/1999	5/28/1999	30	0.5	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	58	110058	Female	4	Mohawk River	16	1	276			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	191	111180	Undetermined	4	Mohawk River	24	1	276			3	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	30		Male	4	Mohawk River	20	1	276	140.8	134.1	2	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	4		Male	4	Mohawk River	20	1	276	134.9	130.1	2	3	6/30/1999	6/30/1999	130	2.166666667	Hours	Angling	44	Schoharie Region	5	64	3	9
Blueback Herring	200	116237	Male	4	Mohawk River	20	1	276			2	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	6		Male	4	Mohawk River	20	1	276	187.2	167.9	2	3	5/11/2000	5/11/2000	15	0.25	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	3	2
Blueback Herring	53		Female	4	Mohawk River	16	1	276			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	76		Male	4	Mohawk River	20	1	276			2	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	93		Female	4	Mohawk River	16	1	276			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	107		Female	4	Mohawk River	16	1	276			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	136		Female	4	Mohawk River	16	1	276			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	195		Female	4	Mohawk River	16	1	276			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	281		Female	4	Mohawk River	16	1	276			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	301		Female	4	Mohawk River	16	1	276			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	320		Female	4	Mohawk River	16	1	276			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	50		Female	4	Mohawk River	16	1	276	194.5	165.7	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	70		Male	4	Mohawk River	20	1	276			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	14		Female	4	Mohawk River	16	1	276			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	20		Female	4	Mohawk River	16	1	276			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	68		Female	4	Mohawk River	16	1	276			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	31		Female	4	Mohawk River	16	1	276	149.2	137.2	3	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	99		Female	4	Mohawk River	16	1	276	165.2	148.9	4	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	43		Undetermined	4	Mohawk River	24	1	276			4	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	111		Female	4	Mohawk River	16	1	276			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	4		Male	4	Mohawk River	20	1	276			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	21		Female	4	Mohawk River	16	1	276			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	63		Female	4	Mohawk River	16	1	276			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	67		Female	4	Mohawk River	16	1	276			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	22		Male	4	Mohawk River	20	1	276			2	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	39		Female	4	Mohawk River	16	1	276			1	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	47		Male	4	Mohawk River	20	1	276	153.9	139.4	2	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	55		Male	4	Mohawk River	20	1	276			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	30		Female	4	Mohawk River	16	1	276	177.1	138.6	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	6		Female	4	Mohawk River	16	1	276			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	250	101460	Female	4	Mohawk River	16	1	277			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	121	104324	Female	4	Mohawk River	16	1	277			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	206	104409	Male	4	Mohawk River	20	1	277			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	236	106168	Female	4	Mohawk River	16	1	277			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	6	106447	Female	4	Mohawk River	16	1	277			1	1	6/3/1999	6/3/1999	60	1	Hours	Angling	43	Amsterdam Region	3	38	3	7
Blueback Herring	11		Male	4	Mohawk River	20	1	277	124.1	123.4	3	3	6/15/1999	6/15/1999				Angling	43	Amsterdam Region	2	28	3	
Blueback Herring	248	105419	Female	4	Mohawk River	16	1	277			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	251	105422	Female	4	Mohawk River	16	1	277			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	7	105481	Female	4	Mohawk River	16	1	277			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	139	105613	Female	4	Mohawk River	16	1	277			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	121	107269	Female	4	Mohawk River	16	1	277			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	288	110360	Female	4	Mohawk River	16	1	277			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	350	110421	Female	4	Mohawk River	16	1	277			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9

															Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	208	110208	Female	4	Mohawk River	16	1	277			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	12		Female	4	Mohawk River	16	1	277	171.3	153.9	1	3	7/1/1999	7/1/1999	180	3	Hours	Cast net	41	Waterford Region	5	2	3	9
Blueback Herring	41	115391	Female	4	Mohawk River	16	1	277			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	99	115449	Female	4	Mohawk River	16	1	277			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	11		Female	4	Mohawk River	16	1	277	216.7	184.5	1	3	5/11/2000	5/11/2000	15	0.25	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	3	2
Blueback Herring	44	118048	Female	4	Mohawk River	16	1	277			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	62	118276	Female	4	Mohawk River	16	1	277			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	11		Undetermined	4	Mohawk River	24	1	277			4	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	12		Male	4	Mohawk River	20	1	277			2	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	108		Female	4	Mohawk River	16	1	277			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	122		Male	4	Mohawk River	20	1	277			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	141		Female	4	Mohawk River	16	1	277			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	143		Male	4	Mohawk River	20	1	277			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	313		Female	4	Mohawk River	16	1	277			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	39	121306	Female	4	Mohawk River	16	1	277			4	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	89	121352	Undetermined	4	Mohawk River	24	1	277			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	27		Female	4	Mohawk River	16	1	277			1	6	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	44	121558	Female	4	Mohawk River	16	1	277			1	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	25		Female	4	Mohawk River	16	1	277	197.3	164.4	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	68		Female	4	Mohawk River	16	1	277	211.2	179	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	47		Female	4	Mohawk River	16	1	277			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	61		Female	4	Mohawk River	16	1	277			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	7		Female	4	Mohawk River	16	1	277	161.3	149.4	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	34		Female	4	Mohawk River	16	1	277			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	52		Female	4	Mohawk River	16	1	277			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	66		Male	4	Mohawk River	20	1	277			2	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	28		Female	4	Mohawk River	16	1	277			3	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	60		Female	4	Mohawk River	16	1	277			1	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	85		Female	4	Mohawk River	16	1	277	190.1	144.4	2	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	1	100467	Female	4	Mohawk River	16	1	278			1	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	41	100507	Female	4	Mohawk River	16	1	278			3	1	5/26/1999	5/26/1999				Angling	41	Waterford Region	6	2	3	
Blueback Herring	208	100821	Female	4	Mohawk River	16	1	278			4	2	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	40	104040	Female	4	Mohawk River	16	1	278			1	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	1	104819	Male	4	Mohawk River	20	1	278			2	1	5/27/1999	5/27/1999	82	1.366666667	Hours	Angling	42	Schenectady Region	4	23	3	
Blueback Herring	330	106262	Female	4	Mohawk River	16	1	278			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	162	105333	Female	4	Mohawk River	16	1	278			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	236	105407	Female	4	Mohawk River	16	1	278			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	264	105435	Female	4	Mohawk River	16	1	278			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	289	105460	Male	4	Mohawk River	20	1	278			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	219	107590	Female	4	Mohawk River	16	1	278			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	18	107017	Female	4	Mohawk River	16	1	278			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	127	107275	Female	4	Mohawk River	16	1	278			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	148	107875	Female	4	Mohawk River	16	1	278			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	204	107929	Male	4	Mohawk River	20	1	278			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	57	111053	Female	4	Mohawk River	16	1	278			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	12	108059	Female	4	Mohawk River	16	1	278			1	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	6		Female	4	Mohawk River	16	1	278	167.7	151.7	1	3	5/31/2000	5/31/2000	45	2.25	Hours	Angling	42	Schenectady Region		28	3	9
Blueback Herring	6		Female	4	Mohawk River	16	1	278			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	53		Female	4	Mohawk River	16	1	278			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	97		Male	4	Mohawk River	20	1	278			2	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	98		Female	4	Mohawk River	16	1	278			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	30		Male	4	Mohawk River	20	1	278			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	221		Female	4	Mohawk River	16	1	278			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	318		Male	4	Mohawk River	20	1	278			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	49		Female	4	Mohawk River	16	1	278			1	6	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	76	121339	Female	4	Mohawk River	16	1	278			1	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	43		Female	4	Mohawk River	16	1	278			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	69		Female	4	Mohawk River	16	1	278			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	14		Female	4	Mohawk River	16	1	278			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	45		Undetermined	4	Mohawk River	24	1	278			4	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	62		Female	4	Mohawk River	16	1	278			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	64		Male	4	Mohawk River	20	1	278			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	2		Female	4	Mohawk River	16	1	278			3	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	32		Female	4	Mohawk River	16	1	278			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	101		Female	4	Mohawk River	16	1	278			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	30		Female	4	Mohawk River	16	1	278			1	6	6/13/2001	6/13/2001	120	6	Hours	Angling	43	Amsterdam Region		34	3	7
Blueback Herring	38		Male	4	Mohawk River	20	1	278			2	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	1		Male	4	Mohawk River	20	1	278			2	6	5/29/2001	5/29/2001	13	0.216666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	3	120645	Female	4	Mohawk River	16	1	278			1	1	5/29/2001	5/29/2001	13	0.216666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	194	100821	Female	4	Mohawk River	16	1	279			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	46	101256	Female	4	Mohawk River	16	1	279			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	306	104509	Male	4	Mohawk River	20	1	279			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	100	104931	Female	4	Mohawk River	16	1	279			2	1	5/28/1999	5/28/1999	190	3.166666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	17	105188	Male	4	Mohawk River	20	1	279			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	99	105270	Female	4	Mohawk River	16	1	279			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	88	105774	Female	4	Mohawk River	16	1	279			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	346	107495	Female	4	Mohawk River	16	1	279			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	103	110588	Female	4	Mohawk River	16	1	279			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	9		Female	4	Mohawk River	16	1	279	172.4	142.3	1	3	5/11/2000	5/11/2000	15	0.25	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	3	2
Blueback Herring	27		Female	4	Mohawk River	16	1	279			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	258		Female	4	Mohawk River	16	1	279			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	268		Female	4	Mohawk River	16	1	279			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	148		Male	4	Mohawk River	20	1	279			2	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	34		Female	4	Mohawk River	16	1	279	189.8	156	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	64		Female	4	Mohawk River	16	1	279	209	172.3	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	114		Female	4	Mohawk River	16	1	279			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	5		Female	4	Mohawk River	16	1	279			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	54		Female	4	Mohawk River	16	1	279			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	69		Female	4	Mohawk River	16	1	279			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	66		Female	4	Mohawk River	16	1	279			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	1		Female	4	Mohawk River	16	1	279			3	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	5		Female	4	Mohawk River	16	1	279			3	6	5/30/2001	5/30/2001	35	2.333333333	Hours	Angling	43	Amsterdam Region		43	3	7
Blueback Herring	19		Female	4	Mohawk River	16	1	279	153	128.6	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	74		Female	4	Mohawk River	16	1	279			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	137	100997	Female	4	Mohawk River	16	1	280			3	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	11		Undetermined	4	Mohawk River	24	1	280			3	6	6/9/1999	6/9/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	40	104172	Female	4	Mohawk River	16	1	280			2	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	56	104259	Female	4	Mohawk River	16	1	280			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	63	104266	Female	4	Mohawk River	16	1	280			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	100	104303	Female	4	Mohawk River	16	1	280			1	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	170	104373	Female	4	Mohawk River	16	1	280			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	25		Female	4	Mohawk River	16	1	280	173.6	140.1	2	3	5/26/1999	5/26/1999	100	1.666666667	Hours	Angling	43	Amsterdam Region	2	34	3	
Blueback Herring	343	106275	Male	4	Mohawk River	20	1	280			2	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	6		Male	4	Mohawk River	20	1	280	152.5	146.2	2	3	6/15/1999	6/15/1999				Angling	43	Amsterdam Region	2	28	3	
Blueback Herring	10	105181	Female	4	Mohawk River	16	1	280			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	224	105395	Male	4	Mohawk River	20	1	280			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	8	105482	Female	4	Mohawk River	16	1	280			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	131	105817	Female	4	Mohawk River	16	1	280			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	115	107237	Female	4	Mohawk River	16	1	280			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	159	107530	Female	4	Mohawk River	16	1	280			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	21	107020	Female	4	Mohawk River	16	1	280			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	395	107742	Undetermined	4	Mohawk River	24	1	280			4	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	341	110412	Female	4	Mohawk River	16	1	280			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	46	110046	Female	4	Mohawk River	16	1	280			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	42	106275	Male	4	Mohawk River	20	1	280			2	2	6/8/1999	6/8/1999				Angling	42	Schenectady Region	4	12	3	2
Blueback Herring	70	105188	Male	4	Mohawk River	20	1	280			2	2	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	20	115370	Female	4	Mohawk River	16	1	280			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	128	115478	Female	4	Mohawk River	16	1	280			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	136	115486	Female	4	Mohawk River	16	1	280			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	9	116046	Female	4	Mohawk River	16	1	280			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	59	116096	Female	4	Mohawk River	16	1	280			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	140	116177	Female	4	Mohawk River	16	1	280			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	207	116244	Female	4	Mohawk River	16	1	280			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	8		Female	4	Mohawk River	16	1	280	209.6	165	1	3	5/11/2000	5/11/2000	15	0.25	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	3	2
Blueback Herring	22		Female	4	Mohawk River	16	1	280	191.7	159.6	1	3	5/11/2000	5/11/2000	15	0.25	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	3	2
Blueback Herring	62	118066	Female	4	Mohawk River	16	1	280			1	1	5/24/2000	5/24/2000	190	6.333333333	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	49	118159	Male	4	Mohawk River	20	1	280			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	140	118354	Female	4	Mohawk River	16	1	280			1	1	5/31/2000	5/31/2000	515	17.16666667	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	28		Female	4	Mohawk River	16	1	280			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	42		Female	4	Mohawk River	16	1	280			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	2		Female	4	Mohawk River	16	1	280	185	152.3	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	16		Male	4	Mohawk River	20	1	280	180.6	165	2	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	124		Female	4	Mohawk River	16	1	280			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	142		Female	4	Mohawk River	16	1	280			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	33		Female	4	Mohawk River	16	1	280	190.9	166.3	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	97		Female	4	Mohawk River	16	1	280	220	180.5	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	94		Female	4	Mohawk River	16	1	280			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	47		Female	4	Mohawk River	16	1	280			3	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	37		Female	4	Mohawk River	16	1	280			3	6	5/30/2001	5/30/2001	120	8	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	2		Female	4	Mohawk River	16	1	280			1	6	5/30/2001	5/30/2001	35	2.333333333	Hours	Angling	43	Amsterdam Region		43	3	7
Blueback Herring	51		Female	4	Mohawk River	16	1	280			1	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	74		Female	4	Mohawk River	16	1	280	154.2	139.9	3	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	80		Female	4	Mohawk River	16	1	280	197.4	154.7	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	20		Female	4	Mohawk River	16	1	280			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	14	101107	Female	4	Mohawk River	16	1	281			1	1	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	102	101312	Female	4	Mohawk River	16	1	281			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	144	101354	Female	4	Mohawk River	16	1	281			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	485	106418	Female	4	Mohawk River	16	1	281			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7

															Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	9	106644	Female	4	Mohawk River	16	1	281			3	9	6/16/1999	6/16/1999	210	3.5	Hours	Angling	43	Amsterdam Region	2	35	3	
Blueback Herring	3	105174	Female	4	Mohawk River	16	1	281			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	18	105705	Female	4	Mohawk River	16	1	281			1	1	5/25/1999	5/25/1999	135	2.25	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	215	107940	Male	4	Mohawk River	20	1	281			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	112	110597	Female	4	Mohawk River	16	1	281			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	107	111099	Female	4	Mohawk River	16	1	281			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	241	111227	Undetermined	4	Mohawk River	24	1	281			4	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	146	116183	Female	4	Mohawk River	16	1	281			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	15		Female	4	Mohawk River	16	1	281	207.2	171.4	1	3	5/11/2000	5/11/2000	15	0.25	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	3	2
Blueback Herring	33	116433	Female	4	Mohawk River	16	1	281			1	1	5/11/2000	5/11/2000	185	9.25	Hours	Angling	41	Waterford Region		2	3	2
Blueback Herring	87	118197	Male	4	Mohawk River	20	1	281			2	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	209		Male	4	Mohawk River	20	1	281			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	149		Male	4	Mohawk River	20	1	281			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	17		Female	4	Mohawk River	16	1	281	197.9	165.3	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	35		Female	4	Mohawk River	16	1	281			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	76		Female	4	Mohawk River	16	1	281			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	78		Female	4	Mohawk River	16	1	281			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	89		Female	4	Mohawk River	16	1	281			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	45		Female	4	Mohawk River	16	1	281	205.9	169	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	76		Female	4	Mohawk River	16	1	281	184.1	161.9	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	2		Male	4	Mohawk River	20	1	281			2	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	31		Female	4	Mohawk River	16	1	281			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	87		Female	4	Mohawk River	16	1	281			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	36	104168	Female	4	Mohawk River	16	1	282			3	1	5/19/1999	5/19/1999	60	1	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	54	104257	Female	4	Mohawk River	16	1	282			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	302	104505	Female	4	Mohawk River	16	1	282			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	203	106135	Female	4	Mohawk River	16	1	282			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	93	105264	Female	4	Mohawk River	16	1	282			2	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	178	107549	Female	4	Mohawk River	16	1	282			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	404	107751	Male	4	Mohawk River	20	1	282			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	135	110135	Female	4	Mohawk River	16	1	282			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	21	108068	Male	4	Mohawk River	20	1	282			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	20		Female	4	Mohawk River	16	1	282	173.7	154.4	1	3	6/15/1999	6/15/1999	115	1.916666667	Hours	Angling	43	Amsterdam Region	3	38	3	
Blueback Herring	172		Female	4	Mohawk River	16	1	282			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	223		Male	4	Mohawk River	20	1	282			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	36		Undetermined	4	Mohawk River	24	1	282			3	6	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	72		Female	4	Mohawk River	16	1	282			1	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	32		Female	4	Mohawk River	16	1	282			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	2		Male	4	Mohawk River	20	1	282	182.1	161.7	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	32		Female	4	Mohawk River	16	1	282			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	65		Female	4	Mohawk River	16	1	282			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	91		Female	4	Mohawk River	16	1	282			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	7		Female	4	Mohawk River	16	1	282			3	6	5/31/2001	5/31/2001	75	3.75	Hours	Angling	44	Schoharie Region		63	3	9
Blueback Herring	69		Female	4	Mohawk River	16	1	282	212.1	168.1	1	3	6/1/2001	6/1/2001	90	3	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	10		Female	4	Mohawk River	16	1	282			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	13		Female	4	Mohawk River	16	1	282	151.6	144.9	3	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	16		Female	4	Mohawk River	16	1	282	183.9	151.3	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	9	100375	Female	4	Mohawk River	16	1	283			4	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	34	100590	Female	4	Mohawk River	16	1	283			3	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	21	101089	Female	4	Mohawk River	16	1	283			1	1	5/12/1999	5/12/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	150	105624	Female	4	Mohawk River	16	1	283			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	77	107805	Male	4	Mohawk River	20	1	283			2	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	39	110039	Female	4	Mohawk River	16	1	283			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	2		Female	4	Mohawk River	16	1	283	183.5	154.1	1	3	6/15/1999	6/15/1999	80	1.333333333	Hours	ft. x 2.50 in. gill ne	43	Amsterdam Region	3	38	3	
Blueback Herring	34	116071	Female	4	Mohawk River	16	1	283			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	116	116153	Female	4	Mohawk River	16	1	283			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	18		Female	4	Mohawk River	16	1	283	228	192.1	1	3	5/11/2000	5/11/2000	15	0.25	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	3	2
Blueback Herring	64	121327	Female	4	Mohawk River	16	1	283			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	68	121331	Female	4	Mohawk River	16	1	283			1	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	5	121524	Female	4	Mohawk River	16	1	283			1	1	6/13/2001	6/13/2001	155	10.33333333	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	137		Female	4	Mohawk River	16	1	283			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	49		Female	4	Mohawk River	16	1	283			3	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	39		Female	4	Mohawk River	16	1	283	204.3	166	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	60	100426	Female	4	Mohawk River	16	1	284			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	17	101484	Female	4	Mohawk River	16	1	284			1	1	5/14/1999	5/14/1999	120	2	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	26	104026	Female	4	Mohawk River	16	1	284			3	1	5/17/1999	5/17/1999	70	1.166666667	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	39	104242	Female	4	Mohawk River	16	1	284			3	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	42		Female	4	Mohawk River	16	1	284	175.1	146.4	2	3	6/3/1999	6/3/1999	90	1.5	Hours	Angling	43	Amsterdam Region	2	34	3	7
Blueback Herring	49	105523	Female	4	Mohawk River	16	1	284			1	1	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	15	107107	Female	4	Mohawk River	16	1	284			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	1		Female	4	Mohawk River	16	1	284	216.8	177.6	1	3	6/15/1999	6/15/1999	80	1.333333333	Hours	ft. x 2.50 in. gill ne	43	Amsterdam Region	3	38	3	
Blueback Herring	13		Female	4	Mohawk River	16	1	284			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	19		Female	4	Mohawk River	16	1	284			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	30		Male	4	Mohawk River	20	1	284			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	140		Male	4	Mohawk River	20	1	284			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	19	121287	Female	4	Mohawk River	16	1	284			3	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	24	121292	Female	4	Mohawk River	16	1	284			1	1	6/11/2001	6/11/2001	150	15	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	73		Female	4	Mohawk River	16	1	284			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	93		Female	4	Mohawk River	16	1	284	206.4	172.3	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	19		Female	4	Mohawk River	16	1	284			3	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	35		Undetermined	4	Mohawk River	24	1	284			4	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	86		Female	4	Mohawk River	16	1	284			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	86	100641	Female	4	Mohawk River	16	1	285			1	1	6/1/1999	6/1/1999				Angling	41	Waterford Region	2	1	3	
Blueback Herring	188	109045	Female	4	Mohawk River	16	1	285			1	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	15	101057	Female	4	Mohawk River	16	1	285			1	1	5/11/1999	5/11/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	24	101092	Female	4	Mohawk River	16	1	285			1	1	5/12/1999	5/12/1999	30	0.5	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	193	101403	Male	4	Mohawk River	20	1	285			2	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	2		Female	4	Mohawk River	16	1	285	222.2	172.2	2	3	5/18/1999	5/18/1999	25	0.416666667	Hours	ft. x 3.00 in. gill ne	41	Waterford Region	3	1	3	
Blueback Herring	4		Female	4	Mohawk River	16	1	285	236.1	188.6	2	3	5/18/1999	5/18/1999	25	0.416666667	Hours	ft. x 3.00 in. gill ne	41	Waterford Region	3	1	3	
Blueback Herring	4		Female	4	Mohawk River	16	1	285	180.5	152.6	1	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	16	104818	Female	4	Mohawk River	16	1	285			1	1	5/27/1999	5/27/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	25	106521	Female	4	Mohawk River	16	1	285			2	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	29	106565	Female	4	Mohawk River	16	1	285			2	9	6/4/1999	6/4/1999	15			Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	40	110977	Female	4	Mohawk River	16	1	285			1	1	6/4/1999	6/4/1999				Cast net	41	Waterford Region	2	2	3	9
Blueback Herring	166	111155	Female	4	Mohawk River	16	1	285			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	4	108004	Female	4	Mohawk River	16	1	285			1	1	6/7/1999	6/7/1999				Angling	42	Schenectady Region	4	12	3	
Blueback Herring	65	115415	Female	4	Mohawk River	16	1	285			1	1	5/9/2000	5/9/2000	95	1.583333333	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	13		Female	4	Mohawk River	16	1	285			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	33		Female	4	Mohawk River	16	1	285			1	6	5/29/2001	5/29/2001	190	9.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	241	109095	Male	4	Mohawk River	20	1	286			2	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	175	101385	Female	4	Mohawk River	16	1	286			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	40	104775	Female	4	Mohawk River	16	1	286			2	1	5/26/1999	5/26/1999	160	2.666666667	Hours	Angling	44	Schoharie Region	3	43	3	
Blueback Herring	227	107598	Female	4	Mohawk River	16	1	286			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	330	110401	Female	4	Mohawk River	16	1	286			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	16		Female	4	Mohawk River	16	1	286			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	88		Female	4	Mohawk River	16	1	286			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	70		Female	4	Mohawk River	16	1	286	216	183.2	1	3	5/15/2001	5/15/2001	66	3.3	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	128		Undetermined	4	Mohawk River	24	1	286			4	6	5/15/2001	5/15/2001	240	12	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	65		Female	4	Mohawk River	16	1	286	222.4	186.5	1	3	5/24/2001	5/24/2001	60	3	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	58		Female	4	Mohawk River	16	1	286			3	6	6/13/2001	6/13/2001	120	6	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	117		Female	4	Mohawk River	16	1	287	188.4	160.5	1	3	5/12/1999	5/12/1999	360	6	Hours	Angling	41	Waterford Region	3	2	3	
Blueback Herring	82	104285	Female	4	Mohawk River	16	1	287			2	1	5/20/1999	5/20/1999	600	10	Hours	Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	31		Female	4	Mohawk River	16	1	287	192.8	160.7	1	3	5/21/1999	5/21/1999				Cast net	41	Waterford Region	2	1	3	
Blueback Herring	1	104734	Female	4	Mohawk River	16	1	287			2	1	5/25/1999	5/25/1999	65	1.083333333	Hours	Angling	45	Little Falls River	2	63	3	
Blueback Herring	91	107213	Female	4	Mohawk River	16	1	287			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	208		Female	4	Mohawk River	16	1	287			3	6	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	77	110666	Male	4	Mohawk River	20	1	287			2	1	6/8/1999	6/8/1999	180	3	Hours	Angling	42	Schenectady Region	4	23	3	9
Blueback Herring	32		Female	4	Mohawk River	16	1	287	141.2	134.7	3	3	6/22/1999	6/22/1999	100	1.666666667	Hours	Angling	44	Schoharie Region	5	63	3	
Blueback Herring	314		Female	4	Mohawk River	16	1	287			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	329		Female	4	Mohawk River	16	1	287			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	31		Female	4	Mohawk River	16	1	287			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	83		Undetermined	4	Mohawk River	24	1	287			4	6	6/4/2001	6/4/2001	170	5.666666667	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	21		Female	4	Mohawk River	16	1	287	193.5	162.5	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	153	109011	Male	4	Mohawk River	20	1	288			3	1	6/3/1999	6/3/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	123	101333	Female	4	Mohawk River	16	1	288			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	115	106005	Female	4	Mohawk River	16	1	288			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	2	106436	Female	4	Mohawk River	16	1	288			1	1	6/2/1999	6/2/1999	61	1.016666667	Hours	Angling	45	Little Falls River	2	78	3	
Blueback Herring	156		Undetermined	4	Mohawk River	24	1	288			4	6	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	358	107705	Female	4	Mohawk River	16	1	288			1	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	386	110457	Female	4	Mohawk River	16	1	288			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	141	110141	Female	4	Mohawk River	16	1	288			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	77	116114	Female	4	Mohawk River	16	1	288			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	1	116114	Female	4	Mohawk River	16	1	288	218.3	177.6	1	2	5/11/2000	5/11/2000	15	0.25	Hours	ft. x 2.50 in. gill ne	41	Waterford Region		2	3	2
Blueback Herring	324		Female	4	Mohawk River	16	1	288			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	48		Female	4	Mohawk River	16	1	288			1	6	6/6/2001	6/6/2001	280	14	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	150	107877	Female	4	Mohawk River	16	1	289			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	413	110483	Female	4	Mohawk River	16	1	289			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	99	110099	Female	4	Mohawk River	16	1	289			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	130	116167	Female	4	Mohawk River	16	1	289			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	55		Female	4	Mohawk River	16	1	289			1	6	5/23/2001	5/23/2001	170	8.5	Hours	Angling	42	Schenectady Region		12	3	9
Blueback Herring	12	104625	Female	4	Mohawk River	16	1	290			1	1	5/24/1999	5/24/1999	127	2.116666667	Hours	Cast net	41	Waterford Region	2	1	3	
Blueback Herring	160	101370	Female	4	Mohawk River	16	1	291			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	297	110369	Female	4	Mohawk River	16	1	291			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	4		Male	4	Mohawk River	20	1	291	154.1	144.1	2	3	6/30/1999	6/30/1999	110	1.833333333	Hours	Angling	44	Schoharie Region	5	64	3	9
Blueback Herring	69	118189	Female	4	Mohawk River	16	1	291			1	1	5/25/2000	5/25/2000	330	11	Hours	Angling	41	Waterford Region		2	3	9
Blueback Herring	332		Female	4	Mohawk River	16	1	291			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	26		Female	4	Mohawk River	16	1	291	206.6	186.4	1	3	6/7/2001	6/7/2001	90	4.5	Hours	Angling	42	Schenectady Region		23	3	9
Blueback Herring	3		Female	4	Mohawk River	16	1	292	233	191.5	2	3	5/18/1999	5/18/1999	25	0.416666667	Hours	ft. x 3.00 in. gill ne	41	Waterford Region	3	1	3	

Adult BBH Data

																Adult Blueback Herring Data							
SPECIES	FISH_ID	TAG_N	GENDER	REGION	GEOGRAPHIC REGION	SUBSTOCK	COUNT	TL	WEIGHT	SOM_WGT	SEX_COND	REL_REC	SDATE	EDATE	DURATION	EFFORT	E_UNITS	GR_NAME	STATION	STATION NAME	SITE	RIV_MILE	GONAD	BOT_TYPE
Blueback Herring	1		Female	4	Mohawk River	16	1	292	216.8	172.9	2	3	5/27/1999	5/27/1999	237	3.95	Hours	ft. x 2.50 in. gill ne	42	Schenectady Region	3	20	3	
Blueback Herring	197	106129	Female	4	Mohawk River	16	1	292			1	1	6/1/1999	6/1/1999	335	5.583333333	Hours	Cast net	41	Waterford Region	2	1	3	7
Blueback Herring	265	105436	Female	4	Mohawk River	16	1	292			1	1	5/20/1999	5/20/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	35	111360	Undetermined	4	Mohawk River	24	1	292			4	1	6/10/1999	6/10/1999				Angling	42	Schenectady Region	4	23	3	
Blueback Herring	46		Female	4	Mohawk River	16	1	292			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	81		Female	4	Mohawk River	16	1	292			1	6	5/9/2001	5/9/2001	335	11.16666667	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	53	111049	Female	4	Mohawk River	16	1	293			1	1	6/7/1999	6/7/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	5		Female	4	Mohawk River	16	1	293	181.1	159	1	3	6/30/1999	6/30/1999	130	2.166666667	Hours	Angling	44	Schoharie Region	5	64	3	9
Blueback Herring	4	120646	Female	4	Mohawk River	16	1	293			1	1	5/29/2001	5/29/2001	13	0.216666667	Hours	experimental gill	42	Schenectady Region		12	3	2
Blueback Herring	1		Female	4	Mohawk River	16	1	294	220.7	198.7	1	3	5/18/1999	5/18/1999	25	0.416666667	Hours	ft. x 3.00 in. gill ne	41	Waterford Region	3	1	3	
Blueback Herring	156	107305	Female	4	Mohawk River	16	1	294			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	313	107462	Female	4	Mohawk River	16	1	294			2	1	6/1/1999	6/1/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	18	116055	Female	4	Mohawk River	16	1	294			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	110		Female	4	Mohawk River	16	1	294			1	6	5/22/2001	5/22/2001	180	6	Hours	Angling	41	Waterford Region		1	3	9
Blueback Herring	56		Female	4	Mohawk River	16	1	294			1	6	5/30/2001	5/30/2001	115	7.666666667	Hours	Angling	41	Waterford Region		1	3	
Blueback Herring	195	101405	Female	4	Mohawk River	16	1	295			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	201	101411	Female	4	Mohawk River	16	1	295			1	1	5/13/1999	5/13/1999	540	9	Hours	Angling	41	Waterford Region	3	2	3	9
Blueback Herring	149	116186	Female	4	Mohawk River	16	1	295			1	1	5/10/2000	5/10/2000	220	3.666666667	Casts	Cast net	41	Waterford Region		2	3	6
Blueback Herring	190		Female	4	Mohawk River	16	1	295			1	6	5/10/2001	5/10/2001	240	4	Casts	Cast net	41	Waterford Region		1	3	7
Blueback Herring	40		Female	4	Mohawk River	16	1	296	238.3	188.3	2	3	5/18/1999	5/18/1999	120	2	Hours	Angling	41	Waterford Region	3	1	3	
Blueback Herring	315	110387	Female	4	Mohawk River	16	1	296			1	1	6/2/1999	6/2/1999				Cast net	41	Waterford Region	2	1	3	9
Blueback Herring	18	100384	Female	4	Mohawk River	16	1	299			1	1	5/26/1999	5/26/1999	195	3.25	Hours	Angling	41	Waterford Region	6	1	3	
Blueback Herring	47	106543	Female	4	Mohawk River	16	1	303			3	1	6/3/1999	6/3/1999	120	2	Hours	Angling	42	Schenectady Region	4	12	3	7
Blueback Herring	1		Female	4	Mohawk River	16	1	311			1	6	5/8/2001	5/8/2001	145	4.833333333	Hours	Angling	41	Waterford Region		1	3	2
Blueback Herring	22	117820	Female	4	Mohawk River	16	1	312			3	1	6/13/2000	6/13/2000	220	11	Hours	Angling	43	Amsterdam Region		44	3	9
Blueback Herring	3		Female	4	Mohawk River	16	1	318			1	6	5/8/2001	5/8/2001	75	1.25	Casts	Cast net	41	Waterford Region		1	3	7
								mm	inches															
							Mean	247.0	9.7															
							Min	122.0	4.8															
							Max	318.0	12.5															
							STDEV	15.7	0.6															

USGS 2015 - 2016; 2019 Sampling Sites

| USGS Electrofishing Sites | | | | | Fish Species | | | | |

Appendix E Aquatic Mesohabitat Study Report

AQUATIC MESOHABITAT STUDY

Prepared by: Gomez and Sullivan Engineers

February 2021

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CRESCENT AND VISCHER FERRY PROJECTS RELICENSING

FERC NO. 4678 AND 4679






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List of Abbreviations

BCD	Barge Canal Datum
FAV	Floating Aquatic Vegetation
FERC	Federal Energy Regulatory Commission
GIS	Geographic Information Systems
ILP	Integrated Licensing Process
IPaC	Information for Planning and Consultation
NAIP	National Agriculture Imagery Program
NOAA	National Oceanic and Atmospheric Administration
NOI	Notice of Intent
NWI	National Wetlands Inventory
NYNHP	New York Natural Heritage Program
NYSDEC	New York State Department of Environmental Conservation
PAD	Pre-Application Document
PEM1	Palustrine Emergent Persistent Wetland
PEM2	Palustrine Emergent Nonpersistent Wetland
PEM5	Palustrine Emergent *Phragmites australis* Wetland
PFO1	Palustrine Forested Broad-Leaved Deciduous Wetland
Power Authority	New York Power Authority
PRISM	Partnership for Regional Invasive Species Management
PSP	Proposed Study Plan
PSS1	Palustrine Shrub-Scrub Broad-Leaved Deciduous Wetland
ROR	Run-of-River
RSP	Revised Study Plan
RTE	Rare, Threatened and Endangered
SAV	Submerged Aquatic Vegetation
SD1	Scoping Document 1
SPD	Study Plan Determination
the Commission	Federal Energy Regulatory Commission
USFWS	United States Fish and Wildlife Service

1 Introduction

1.1 Background

The Power Authority of the State of New York (the Power Authority) is licensed by the Federal Energy Regulatory Commission (FERC or the Commission) to operate the Crescent and Vischer Ferry Hydroelectric Projects (FERC Nos. 4678 and 4679) (Projects) located on the Mohawk River in New York. The Power Authority is relicensing the Projects under the Commission's Integrated Licensing Process (ILP) as outlined in 18 C.F.R. Part 5.

In accordance with 18 C.F.R. §§ 5.5 and 5.6, the Power Authority filed its Notice of Intent (NOI) and Pre-Application Document (PAD) on May 3, 2019, which included the Power Authority's preliminary issues and studies list for the Projects. FERC issued its Scoping Document 1 (SD1) on June 10, 2019 and held public scoping meetings on July 10-11, 2019 in Clifton Park, New York, where potential issues were identified by agencies, stakeholders, and the public.

Subsequently, the Power Authority received comments on the PAD and requests for additional studies. The Power Authority reviewed these comments and study requests and developed a Proposed Study Plan (PSP), which was filed with the Commission on September 23, 2019. The Power Authority held a public meeting to discuss the PSP on October 23, 2019. Written comments on the PSP were received through December 23, 2019.

The Power Authority then developed its Revised Study Plan (RSP), which was filed with FERC on January 21, 2020. In its RSP, the Power Authority proposed to conduct an aquatic mesohabitat study at the Crescent and Vischer Ferry Projects. On February 20, 2020, FERC issued its Study Plan Determination (SPD), which approved the Power Authority's study plan for the Aquatic Mesohabitat Study. This report presents the results of the Aquatic Mesohabitat Study at the Projects.

1.2 Study Goals and Objectives

The purpose of the study is to identify and map aquatic habitats at the Projects including wetlands, riparian, and littoral vegetation communities, submerged aquatic vegetation and open water habitats. The study also identifies and maps areas of significant shoreline erosion. The study was conducted using a combination of field observations and desktop evaluation.

The study evaluates the potential effects, if any, of the Projects' operations on these habitats and considers the differences in water level when the flashboards are both in place and removed. The study results will be used to help inform resource assessments associated with the license application.

The geographic scope of this study includes the lands and waters within the FERC Project boundaries for the Project impoundments as well as a 50-foot zone adjacent to the FERC Project boundaries.

1.3 Project Description

The Crescent and Vischer Ferry Projects are located on the Mohawk River in New York at river miles 4 and 14, respectively (Figure 1.3-1); both are operated on a run-of-river basis. The original purpose of the Crescent and Vischer Ferry Dams was to impound water to support navigation on the New York State Barge Canal (Barge Canal); this remains true today as navigation and Barge Canal operations take priority over the operation of the Projects. During unusual conditions or emergencies associated with the system,

public safety is always the first priority. Thus, both Projects operate in coordination with the New York State Canal Corporation (Canal Corporation) who operates the Barge Canal. Unless emergency conditions exist, the Projects operate in run-of-river mode with fluctuations (allowable six inches or less[1]) allowed at Canal Corporation's direction, and as permitted by the existing FERC licenses, to aid navigation, to facilitate flashboard installation and removal, and for canal maintenance or safety.

Crescent Project

The Crescent Project is an 11.8 MW conventional hydroelectric project located on the Mohawk River, approximately 4 miles upstream from its confluence with the Hudson River. It is located 2 miles upstream of the School Street Hydroelectric Project (FERC No. 2539) owned by Erie Boulevard Hydropower, L.P.

The Crescent Project generally consists of a dam, powerhouse, impoundment, and appurtenant facilities. The Crescent Dam consists of two independent concrete gravity overflow sections which link each riverbank to a rock island in the middle of the Mohawk River (Figure 1.3-2). Both sections are curved in plan and have a crest at elevation (El.) 184.0 Barge Canal Datum (BCD).

To aid canal navigation, one-foot-high (12 inch) wooden flashboards are installed along the crests of both spillways (Dams A and B) seasonally in spring (generally in April based on seasonal conditions) and removed in the fall (generally in November based on seasonal conditions). When the flashboards are installed, the spillway crest is El. 185 ft. BCD. The Crescent impoundment extends upstream approximately 10 miles to the Vischer Ferry Project Dam. At El. 184 ft. BCD, the surface area of the impoundment is 2,000 acres and impounds approximately 50,000 acre-feet of water. Installation of the flashboards increases the normal full pool elevation of the impoundment by 1 foot, to El. 185 ft. BCD, and the impoundment retains an additional 2,000 acre-feet of water. Table 1.3-1 list the impoundment elevations at both Projects.

Crescent Dam is located at the upstream terminus of the portion of the Barge Canal known as the Waterford Flight, which includes the canal between Lock E-2 through Lock E-6. The Waterford Flight is a 2.5 mile-long section of canal (with a total lift of 169 feet) which allows boat traffic to bypass Cohoes Falls.

The Crescent powerhouse is located on the western bank (river right, looking downstream) and houses four turbine/generator units: two 2.8 MW Francis turbines and two 3.0 MW vertical Kaplan turbines. The original portion of the powerhouse contains the two original Francis units (Units 1 and 2). The two newer Kaplan units (Units 3 and 4) are located riverward of the original section of the powerhouse.

Crescent Project operations are performed in a manner to maintain the normal full pool elevation of the impoundment. Flow through the Project is through the powerhouse or over the dam. During the non-navigation season, a minimum flow of 100 cubic feet per second (cfs) (or inflow, whichever is less) is required to be passed at the Crescent Dam. In accordance with a July 31, 2007 FERC order, the minimum flow during canal navigation season is increased to 250 cfs and is passed through a notch in the Dam A flashboards. These minimum flows are for fish protection measures. Once minimum flows and any

[1] Allowable fluctuation is defined by FERC's Order Amending Article 41 (November 17, 2000) states "In some instances, the project shall be operated to maintain the reservoir surface elevation in the range from the top of the dam (or top of the flashboards during the navigation season) to a level 6 inches below the top of the dam (top of the flashboards during the navigation season). This 6 inch fluctuation shall not be used for regular ponding operations. It shall be used only in the event of curtailment of inflows due to operations of the upstream Barge Canal."

diversions required for canal operations are met, the remaining flow is available for power generation.

Vischer Ferry Project

The Vischer Ferry Project is an 11.8 MW conventional hydroelectric project located on the Mohawk River, approximately 14 miles upstream from its confluence with the Hudson River, and approximately 10 miles upstream of the Crescent Project. The Vischer Ferry Project generally consists of a dam, powerhouse, impoundment, and appurtenant facilities. The Vischer Ferry Dam has three connected spillway sections (Figure 1.3-3). The two outer sections (Dams D and F) are regular, ungated, ogee-shaped weirs with an average structural height of approximately 30 ft. above rock. The middle section (Dam E) is a broad-crested weir constructed over a small bedrock island near the center of the river. Lock E-7 is located at Vischer Ferry Dam on the western bank (river right, looking downstream), which is on the opposite side of the river from the Vischer Ferry powerhouse.

As with the Crescent Project, flashboards are installed along the crests of the Vischer Ferry Project spillways seasonally from spring (generally in April depending on seasonal conditions) to the end of navigation season (generally in November depending on seasonal conditions). The flashboards are 27 inches in height and when installed the impoundment elevation is 213.25 ft. BCD. The spillway crest elevation is 211.0 ft. when flashboards are removed (see Table 1.3-1). The Vischer Ferry impoundment is 10.3 miles long and the upstream terminus of the impoundment is located at Lock E-8 in Schenectady. At El. 211.0 ft. BCD, the surface area of the impoundment is 1,050 acres and impounds approximately 25,000 acre-feet of water. Installation of the flashboards raises the normal full pool to El. 213.25 ft. BCD, and the impoundment retains an additional 2,400 acre-feet of water.

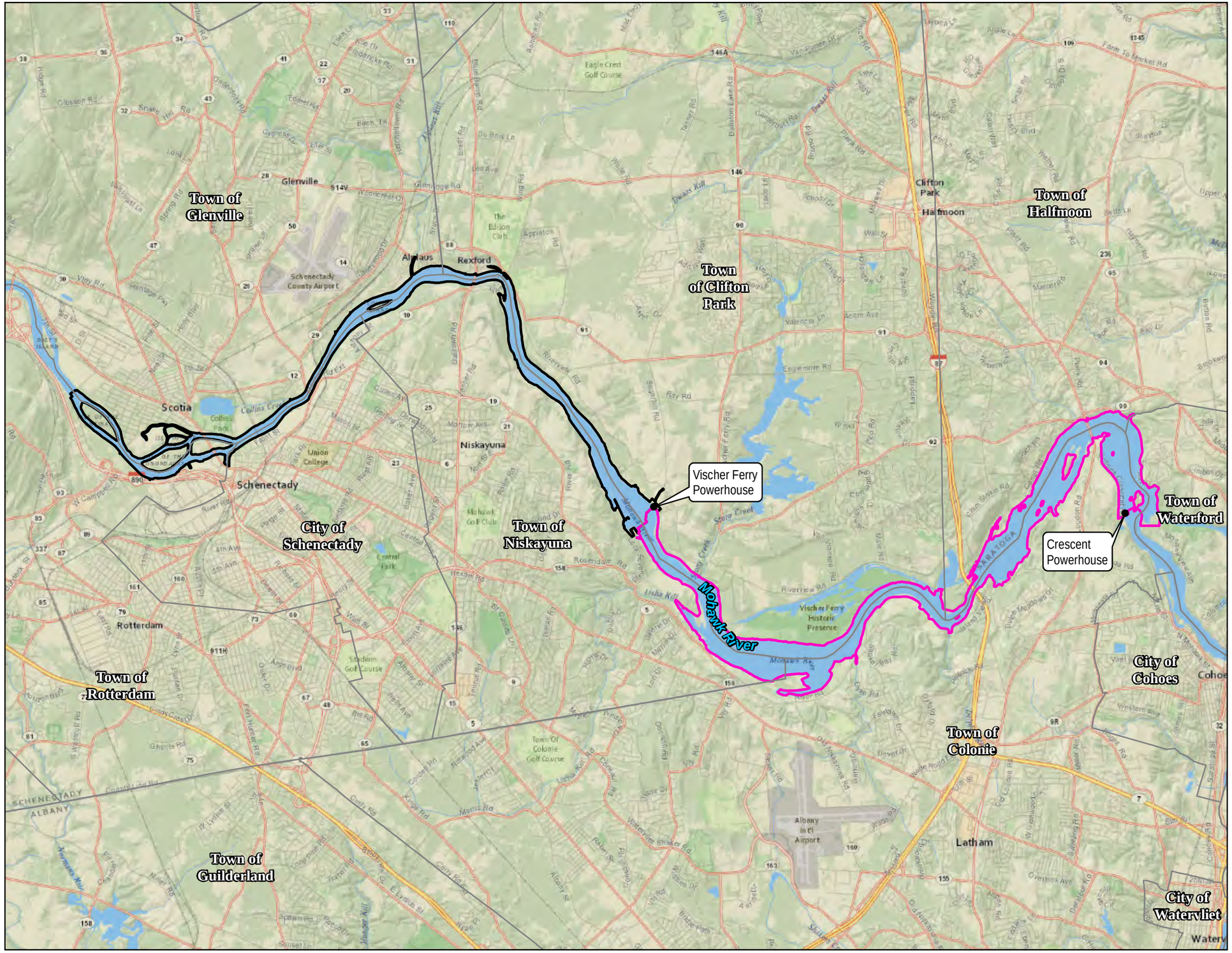
The Vischer Ferry Project powerhouse houses four turbine/generator units: two 2.8 MW Francis turbines and two 3.0 MW vertical shaft Kaplan turbines (identical units as at the Crescent Project). The original portion of the powerhouse contains the two original Francis units (Units 1 and 2). The two newer Kaplan units (Units 3 and 4) are located riverward of the original powerhouse. The turbines discharge water into the tailrace, the elevation of which is controlled by the Crescent impoundment level.

Vischer Ferry Project operations are performed in a manner to maintain the normal full pool elevation of the impoundment. Flow through the Project is through the powerhouse or over the dam. A minimum flow of 200 cfs (or inflow, whichever is less) is required to be passed at the Vischer Ferry Dam. An 8-foot section of the flashboards on Dam F is removed during navigation season to provide fish passage flow. Once Project minimum flows and any diversion required for canal operations are met, the remaining flow is available for power generation.

Table 1.3-1: Crescent and Vischer Ferry Impoundment Target Elevations

Project	Dam Crest Elevation (ft., BCD)	Flashboard Height	Elevation at Top of Flashboards (ft., BCD)	Impoundment Target Operating Range (ft., BCD)	
				Flashboards Removed (Non-Navigation Season)	Flashboards Installed (Canal Navigation Season)
Crescent	184.0	12 inches	185.0	183.6-183.9	184.6-184.9
Vischer Ferry	211.0	27 inches	213.25	210.6-210.9	212.8-213.1

Notes: The turbines are operated to maintain river elevations at both plants between 1 to 4 tenths of a foot below crest.





Crescent and Vischer Ferry
Projects Relicensing
FERC No. P-4678 and P-4679

Figure 1.3-1:
Crescent and Vischer Ferry
Projects Location

Legend

- Crescent Project Boundary
- Vischer Ferry Project Boundary

N

Service Layer Credits: National Geographic, Esri, Garmin, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P Corp.

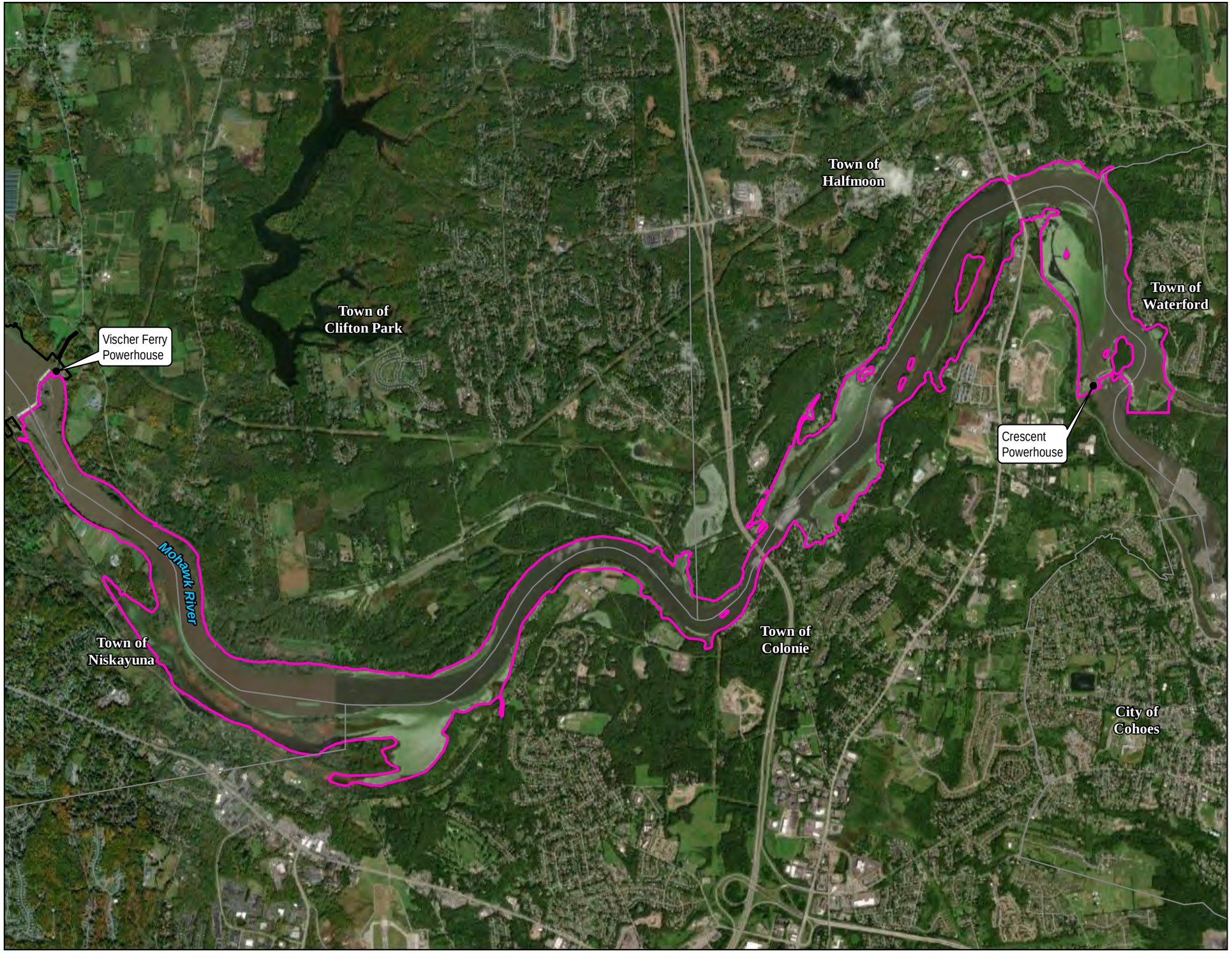
0 0.5 1 2 Miles

1 inch = 1.25 miles

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Crescent and Vischer Ferry
Projects Relicensing
FERC No. P-4678 and P-4679

Figure 1.3-2:
Crescent Project Boundary

Legend

- Crescent Project Boundary
- Vischer Ferry Project Boundary

N

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
National Geographic, Esri, Garmin, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment

0 1,500 3,000 6,000 Feet

1 inch = 3,000 feet

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Crescent and Vischer Ferry
Projects Relicensing
FERC No. P-4678 and P-4679

Figure 1.3-3:
Vischer Ferry Project Boundary

Legend

- Crescent Project Boundary
- Vischer Ferry Project Boundary

N

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
National Geographic, Esri, Garmin, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment

0 2,000 4,000 8,000 Feet

1 inch = 4,000 feet

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2 Study Methods

2.1 Review and Compile Existing Information

The Power Authority compiled existing information relative to this study, including wetland GIS data coverages from the National Wetland Inventory (NWI) and the New York State Department of Environmental Conservation (NYSDEC) Regulated Freshwater Wetlands as well as available aerial imagery. The compiled information was added to base maps for the Projects to identify land use and vegetative cover types in the study area.

Potential rare, threatened and endangered (RTE) plant and animal species that could occur in the vicinity of the Projects was initially presented in the Pre-Application Document for the Projects (Power Authourity, 2019). The two sources of the RTE information include the USFWS's Information for Planning and Consultation (IPaC) tool, and New York Natural Heritage Program's (NYNHP) databases, which include distribution and status information on New York's animals, plants, and significant natural communities. Site-specific searches relative to the Project boundaries were updated prior to performing the field surveys for this study. The northern long-eared bat was the only federally-listed species identified that potentially could be present at either Project. The NYNHP identified two state-threatened species as present in the vicinity of the Projects: the Bald Eagle and Culver's root. The Bald Eagle is also protected by the Federal Bald and Golden Eagle Protection Act. The results of the RTE species queries are provided in Table 2.1-1.

NYNHP identified three (3) species of dragonfly at or near the Projects: cobra clubtail (*Gomphus vastus*), midland clubtail (*Gomphurus fraternus*), and russet-tipped clubtail (*Stylurus plagiatus*). These species are not federally or state listed as threatened, endangered or special concern, but are tracked by the NYNHP[2]. In addition, the NYNHP database suggests that there is potential upland habitat for a state-endangered plant species within 0.5 miles of the Vischer Ferry Project boundary: Hooker's Orchid (*Platanthera hookeri*).

The NYNHP database also suggests that there is potential aquatic habitat for the alewife floater (*Anodonta implicata*), a freshwater mussel, in the Mohawk River from approximately one mile upstream of the Crescent Dam to the confluence with the Hudson River. The alewife floater is not listed as endangered, threatened, or special concern, but is identified as an S1S2 species by the NYSDEC (Critically imperiled/Imperiled). This species exists in a range of habitats, including large rivers, without clear preference for substrate, depth, or flow conditions. Habitat use and population density seems to be more strongly tied to where its host fish, including Blueback Herring, are likely to spawn or congregate (NYSDEC, 2014).

Additional data that were compiled and reviewed in preparation for the field surveys include known areas of invasive plant species (NYNHP, 2020). Using all the relevant data compiled, a set of base maps were developed in ArcGIS and loaded onto a field computer for the field surveys.

2.2 Desktop Habitat Mapping

Using aerial imagery from the National Agricultural Imagery Program (NAIP) and data layers from NWI and NYSDEC, preliminary desktop habitat mapping was conducted with ArcGIS. The desktop habitat mapping includes invasive species occurrences mapped using the additional relevant data from Capital Mohawk

[2] NY Natural Heritage tracks a selected subset of New York's animals, based on their degree of rarity or imperilment within the state. Information on the species and communities tracked by NY Natural Heritage are used for conservation, research, and regulatory purposes.

PRISM and the available RTE data. Land use/land cover and wetlands located adjacent to and within the Project boundaries were determined based on aerial photo interpretation and existing data layers. NWI data and aerial imagery of the Projects suggest that vegetated wetlands within the boundaries consist of palustrine forested (PFO), palustrine emergent (PEM) and palustrine scrub-shrub (PSS) wetlands within and adjacent to each Project Boundary. Along with wetlands, land use and vegetation type within the 50-foot riparian zone along the Project boundaries was initially delineated based on the aerial imagery; the results of the desktop assessment were verified in the field and adjusted as necessary. Based on the aerial imagery, floating aquatic vegetation beds were apparent throughout both Project impoundments. The aerial imagery suggested these aquatic beds were significant stands of the aquatic invasive species European water chestnut (*Trapa natans*). The species composition and extent of aquatic vegetation were confirmed during the field surveys.

2.3 Field Habitat Mapping

Prior to the field surveys, a data dictionary was developed to guide the types of data that would be collected, as listed in Table 2.3-1. The data dictionary was loaded onto a tablet computer with base layers and aerial imagery to aid in field data collection.

Field reconnaissance surveys were conducted during the summer of 2020 when flashboards were installed, and the impoundments were operating at their normal navigation season elevations. Additional field surveys were performed in the fall of 2020 following flashboard removal. fall (flashboards down) surveys focused on observing and documenting habitats found in the narrow littoral zone band between the boards-up and boards-down impoundment elevations. Summer riparian and adjacent land use delineation and species composition was completed between July 27-31, 2020. Average impoundment elevations during this period were 184.9' at Crescent and 213.0' at Vischer Ferry. Field surveys by boat for aquatic vegetation delineation and shoreline substrate observations were conducted on August 3-4 and August 26-28 at these same impoundment elevations. fall (flashboards down) littoral zone and shoreline substrate field observations were completed from November 18-20, 2020. Average impoundment elevations during the fall period were 183.9' at Crescent and 210.8' at Vischer Ferry.

Substrate

Observations were made of substrates in shallow and shoreline areas where substrates were readily observable during either the summer or fall field surveys. Any notable areas of unique substrates such as ledge, gravel and cobble were documented and located on the habitat maps with GPS coordinates. Substrate observations were initially collected during the summer surveys by visual observation through the water and probing the bottom. Substrate types were confirmed and updated as necessary during the fall survey when the flashboards were removed and the bottom was more visible. Most of the floating aquatic vegetation had died back by the survey in November, also helping with substrate type classifications.

Aquatic Habitat

Using a motorboat, the impoundments were surveyed by travelling at slow speeds (e.g., trolling speed) throughout the study area, stopping frequently to document habitat conditions. Using the initial desktop mapping, the location and extent of floating aquatic vegetation beds were field verified and adjusted as necessary using GPS.

Due to relatively good water clarity on the days of the survey (i.e., approximately 4 feet), the extent and density of the aquatic vegetation beds were easily observable. Where floating and submerged aquatic vegetation (FAV, SAV) beds were observed, the field crew used a rake to bring plants on-board to aid in species identification. Species composition could also be readily identified by sight from the surface once particular growth patterns and characteristics were confirmed using the rake or hand-grabs. A field tablet computer with GPS was used to map both FAV and SAV beds and to take representative photographs. Field notes were taken summarizing dominant plant species, associated species, densities, and incidental wildlife observations.

Wetlands

As with the aquatic habitat, the impoundments and adjacent areas were surveyed by motorboat travelling at a slow speed along the shoreline, stopping periodically to make observations and collect data, until all shoreline areas were surveyed. Where shoreline wetlands were inaccessible by boat, the field scientists went onshore and investigated the extent and species composition of the wetlands on foot. Where shoreline wetlands were entirely inaccessible, binoculars were used to confirm the wetland type and to identify vegetation species composition. A field tablet computer was used to delineate distinct wetland habitat types by taking GPS points which were used to update maps created during the desktop assessment. Field notes were taken to summarize dominant plant species, associate species (present but not dominant) and incidental wildlife observations. Representative photographs were taken.

Freshwater Mussels and Fish Spawning

During field surveys, impoundment shoreline and shallow water habitats were observed for the presence of freshwater mussels, other large or notable aquatic macroinvertebrates, and fish spawning. Evidence of freshwater mussels, including any live mussels, observed relic shells or middens, were documented and marked with GPS coordinates. Areas of potential mussel habitat were documented and mapped, based on substrate type and density of aquatic vegetation observed.

Freshwater mussels have been recorded in the Mohawk River and the Canal System drainages. A list of documented mussel species and potential presence within the boundaries of the Projects was provided in the Pre-Application Document for the Projects (Power Authority, 2019). The NYNHP database suggests that there is potential habitat for the alewife floater (*Anodonta implicata*) in the Mohawk River from approximately one mile upstream of the Crescent Dam to the confluence with the Hudson River (Power Authority, 2018).

Field crews also searched for evidence of fish nesting in shallow and marginal shoreline areas. Again, any areas of observed fish redds or other signs of fish nesting were documented and located on the habitat maps with GPS coordinates. As with substrate, observations of mussels were confirmed during the fall survey when the flashboards were removed and the floating aquatic vegetation had died back.

Erosion

During the field surveys, the shoreline was observed for erosion. Areas with observable erosion were documented and located with GPS, and representative photographs were obtained. The erosion areas were also distinguished by bank height and type of erosion present as well as the extent of the eroded areas along the shoreline.

Adjacent Land Cover

Using the results of the desktop assessment preloaded onto a field computer, the field crew field verified the land use/land cover of the 50-foot areas along the Project boundary and documented plant species composition of habitat types in these areas. The field work was performed while travelling at slow speeds in a boat until all shoreline areas were surveyed. Islands within the Project impoundments were also investigated. Where shoreline areas were inaccessible by boat, the scientists went on foot using waders or binoculars to determine land cover. The riparian habitat types were determined using visual cues, species composition, species indicator status, and supplemental information such as previously mapped NWI and NYSDEC wetlands. A field tablet computer with GPS was used to map the adjacent land use areas and take photographs. Field notes were taken summarizing dominant plant species, associate species, densities and wildlife observations.

2.4 Data Analysis

Following the field surveys, georeferenced data points were used to update and depict aquatic vegetation beds, land use/land cover, and wetlands to reflect what was observed by the field scientists. Using that field-collected spatial data and ArcGIS, the total area and percent cover of adjacent lands, wetlands, aquatic vegetation beds, as well as shoreline substrate on a linear basis were calculated and tabulated.

Plant species unidentified in the field were later identified using taxonomic keys (Ballard et al., 2004; Crow and Hellquist, 2000; Newcomb 1977) and a final species list was tabulated. Plant species indicator status were determined using Lichvar *et al.*, 2012. Observed invasive species were georeferenced using ArcGIS and designated in tiers using the initial data compiled from Capital Mohawk PRISM (Capital/Mohawk PRISM 2018). Finally, wildlife observations, Bald Eagle occurrences, photo points, bank erosion points, and native mussel observations are presented on maps prepared for this report.

Table 2.1-1: RTE Species with Potential to Occur at the Crescent and Vischer Ferry Projects

Common Name	Scientific Name	Legal Status	Potential to Occur Within Project Boundary	
			Crescent	Vischer Ferry
Bald Eagle	*Haliaeetus leucocephalus*	ST	Known Occurrence	Known Occurrence
Culver's Root	*Veronicastrum virginicum*	ST	Known Occurrence in Adjacent Upland	No Known Occurrence
Northern Long-eared Bat	*Myotis septentrionalis*	FT,ST	Potential Habitat in Adjacent Upland	Potential Habitat in Adjacent Upland
Hooker's Orchid	*Planthera hookeri*	SE	No Known Occurrence	Potential Occurrence in Adjacent Upland
Midland Clubtail	*Gomphus fraternus*	Not Listed State Rank S3	Known Occurrence	Known Occurrence
Russet-tipped Clubtail	*Stylurus plagiatus*	Not Listed State Rank S1	Known Occurrence	No Known Occurrence
Cobra Clubtail	*Gomphus vastus*	Not Listed State Rank S1	Known Occurrence	No Known Occurrence
Alewife Floater	*Anodonta implicata*	Not Listed State Rank S1S2	Potential Occurrence	No Known Occurrence

Definition of Federal Legal Status: FT = Federal Threatened, FE = Federal Endangered.

Definition of State Legal Status: ST = State Threatened, SE = State Endangered.

State Conservation Status Rank: S1 = Critically imperiled in NYS. S2 = Imperiled in NYS. S3 = Vulnerable in NYS.

Table 2.3-1: Data Dictionary for Field Data Collection for the Crescent and Vischer Ferry Project

Layer	Parameters
Land Use/Land Cover	LULC Codes (Deciduous Forest, Mixed Forest, Developed, Wooded Wetland, Emergent Wetland, etc.)
Aquatic Plant Bed	Type: Floating, Submerged
	Water Chestnut Incursion (Y/N)
	Species1, species2,…
	Density1, Density2,…(<25%, 25-50%, 51-75%, >75%)
Substrate	Clay, Silt, Sand, Gravel, Cobble, Boulder, Ledge
Invasive Species	Species Observed
Fish Nest	Species
	Water Depth
Native Mussel	Type: Relic, Live, Midden Pile
	Species
RTE Plant	Species
Bald Eagle	Activity: Nest, Roost, Flight, Feeding
	Juvenile or Adult
Erosion	Bank Height
	Type (Fluvial, Mass Wasting)
Wildlife	Species
Photographs	Georeferenced point location

3 Results

3.1 Field Conditions During Surveys

The summer field surveys with the flashboards installed were conducted between July 27-31, August 3-4, and August 26-28. During the 2020 relicensing study period, the Projects were operated as normal with a few exceptions. Due to the global pandemic, the Canal Corporation initiated the canal navigation season later than usual. The Waterford flight locks (on the opposite side of the river from the Crescent plant) opened for navigation season on June 16, 2020. Locks E-7 (on the opposite side of the river from the Vischer Ferry plant) and E-8 opened for navigation season on July 17. As a result, the Power Authority installed the flashboards at the Project dams between June 25- July 1, 2020. Both impoundments were at their navigation season "boards-up" level (i.e., approximately el. 185.0' at Crescent and 213.25' at Vischer Ferry) by July 4, 2020.

The surveys were performed during stable impoundment elevations, low river flows and fair weather. These conditions were favorable for viewing and documenting aquatic habitat. Figure 3.1-1 shows the Crescent and Vischer Ferry Project impoundment levels and Mohawk River flow during the habitat surveys performed in 2020. Both impoundments remained at their navigation season elevation from July through October, except during a precipitation event on August 4, 2020 causing high flows in the Mohawk River. The field surveys were suspended as a result of this storm due to high flows, river debris, and poor water clarity. The remaining summer field surveys were completed later in August. Average impoundment elevations during the summer surveys were 184.9' at Crescent and 213.0' at Vischer Ferry.

The Canal Corporation ended the 2020 navigation season on October 14, 2020. The Power Authority removed the flashboards at the Vischer Ferry and Crescent dams during the first week of November. Fall surveys with the flashboards removed were completed from November 18-20, 2020 with the impoundments at their normal "boards-down" elevation. The average impoundment elevations during the fall surveys were 183.9' at Crescent and 210.8' at Vischer Ferry.

Throughout the field surveys, the water depth visibility, measured by Secchi Disc, was approximately 4 feet. The weather data on the days of the surveys as recorded at the Albany International Airport, NY is shown in Table 3.1-1.

3.2 Shoreline Riparian Zone and Adjacent Areas

Crescent Project

At El. 184.0 ft. BCD, the surface area of the Crescent Project impoundment is approximately 2,000 acres. Installation of the flashboards increases the normal full pool elevation of the impoundment by 1 foot, to El. 185.0 ft. BCD, and the impoundment retains an additional 2,000 acre-feet of water. The 50-foot riparian area adjacent to the Project Boundary totals 245 acres (Table 3.2-1). Riparian zone data were collected when the impoundment was at an elevation of 184.9 ft., BCD. The riparian zone along the Crescent impoundment is 30% forested and 48% developed. Developed areas include 109 acres, of which most are either residential (low intensity) or developed open space. Adjacent wetlands account for 57 acres, or 23% of the 50-foot riparian area. Figure 3.2-1 contains maps of the study area showing riparian land use/land cover and erosion areas.

Within the Crescent Project study area, the upland deciduous forests were dominated by tree species such

as red oak, American elm, silver maple, and eastern cottonwood. European black alder (*Alnus glutinosa*), an invasive tree species that can grow to 60 feet tall, were also very common. Black locust, American basswood, eastern hop hornbeam, northern catalpa, and ash and hickory species were also observed in lower densities along the impoundment. The upland mixed forests contained many of the same hardwood species, but also included eastern white pine, hemlock, and red cedar trees. Common shrub species found in forest and scrub-shrub cover types included staghorn sumac, false indigo bush, and several non-native invasive species: autumn olive, multiflora rose, and honeysuckle species. Within the low intensity developed residential areas, species that were observed reflected the dominant trees found in the upland forests but also included planted ornamental trees such as blue spruce, Norway spruce, and weeping willow. Tree of heaven (*Ailanthus altissima*), an invasive species, was also observed. Table 3.2-2 provides a list of all plant species observed in riparian and wetland areas.

The shoreline along the Crescent Project impoundment was generally characterized by a gentle gradient. This shallow embankment, shallow water, as well as vegetative cover up to the river's edge, contributed to a lack of bank erosion along the impoundment shoreline. Also, the gentle gradient contributes to the prevalence of shoreline wetland areas. Due to this, the Crescent impoundment makes prime habitat for wading birds such as Great Blue Heron, Green Heron, and Great Egret. There was also a high occurrence of Bald Eagle and Osprey activity along the impoundment.

Vischer Ferry Project

At El. 211.0 ft. BCD, the surface area of the Vischer Ferry Project impoundment is approximately 1,050 acres and impounds approximately 25,000 acre-feet of water. Installation of the flashboards raises the normal full pool to El. 213.25 ft. BCD, and the impoundment retains an additional 2,400 acre-feet of water. The 50-foot riparian area adjacent to the Project Boundary totals approximately 204 acres. Riparian zone data were collected when the impoundment was at an elevation of 213.0 ft., BCD.

The riparian areas adjacent to the Vischer Ferry impoundment are dominated by upland forests as shown in Table 3.2-3. Deciduous forests covered about 33% or 67 acres of the total riparian zone and mixed forests cover about 11% or 23 acres. Woody and emergent wetlands cover approximately 18% (35 acres) of the adjacent riparian area. Upland shrub/scrub and grassland/herbaceous areas made up a small proportion of the riparian zone consisting of about 4 acres each, or 4% of the total riparian area. These upland shrub and herbaceous areas typically occur in managed areas, such as within transmission line corridors. Developed lands along the Vischer Ferry impoundment account for 34% of the total riparian area and include more areas of high and medium intensity development, such as condominiums and commercial areas, compared to the Crescent impoundment. Figure 3.2-1 contains maps of the study area showing riparian land use/land cover and erosion areas.

The deciduous forests observed in the Vischer Ferry impoundment were comprised of mostly different dominants species than the Crescent impoundment, such as: box elder, black willow, black locust, eastern cottonwood, and buckthorn. Silky dogwood, white birch, red oak, green ash, American sycamore, black walnut, and wild grape were some of the subdominant species observed. The dominant species observed in the mixed forests comprised of red oak, eastern white pine, red cedar, and silver maple. More scarcely observed species included staghorn sumac, white oak, hickory spp., eastern hemlock, American elm, and eastern hop hornbeam. The upland shrub/scrub areas were dominated by European alder, willow shrubs, wild grape, silky dogwood, and staghorn sumac. Some other species observed were honeysuckle, black locust, multiflora rose, oriental bittersweet, buckthorn, and goldenrod. Table 3.2-2 provides a list of all plant

species observed in riparian and wetland areas.

The Vischer Ferry shoreline contains areas of sheer shale/bedrock cliff faces leading to steep slopes in the associated aquatic habitat; these areas were observed in the lower portions of the Vischer Ferry impoundment and the underlying geology is referred to as the Schenectady formation bedrock (see Section 4.2 in the PAD (Power Authority, 2019) for more information on bedrock geology of the area). Further upstream, the shoreline was generally comprised of lower banks and shallower sloped littoral areas. The upper reaches of the Project boundary are where most of the adjacent wetlands were located. Due to the steep gradient between the river and riparian zones, small areas of bank erosion were observed, with both fluvial and mass wasting. Wading shorebirds and Bald Eagles were also observed throughout the Vischer Ferry impoundment.

3.3 Wetlands

In the shoreline riparian zone summary in Section 3.2 of this report, wetland land cover was broadly characterized as either emergent or woody wetlands. Woody wetlands include forested and scrub-shrub wetland types. In the PAD (Power Authority, 2019) for these Projects, NWI and NYSDEC wetland data were presented and discussed. Figure 3.3-1 shows the NWI and NYSDEC wetland data in the vicinity of the Projects. This report updates this information based on the field surveys conducted in 2020. In this section, additional details on the palustrine wetland types are provided based on the Cowardin classification system and include species compositions.

The emergent vegetation adjacent to rivers is often referred to as “the shore zone” or the “zone of emergent vegetation” (Reid and Wood 1976 in FGDC, 2013). Persistent emergents are emergent hydrophytes whose stems and leaves are evident all year above the surface of the water, or above the soil surface if water is absent. Examples include cattails (*Typha* spp.), bulrushes (*Scirpus* spp.), and sedges (*Carex* spp.); Nonpersistent emergents refer to wetland plants whose stems and leaves are evident above the water surface, or above the soil surface if surface water is absent, only during the growing season or shortly thereafter. Examples include pickerelweed (*Pontederia cordata*), and arrowheads (*Sagittaria* spp.).

In freshwater scrub-shrub (PSS) wetlands, woody-stemmed plants less than 6 meters (20 ft) tall are the dominant form of vegetation, whereas in freshwater forested (PFO) wetlands trees > 6 meters tall are the dominant form of vegetation.

The term “aquatic bed” includes wetlands and deepwater habitats where plants that grow principally on or below the surface of the water (i.e., floating or submerged) are present with at least 30 percent areal coverage. Floating and submerged aquatic vegetation beds are further discussed in Section 3.4 of this report. This section of the report summarizes the emergent and wooded wetlands found within the Project boundaries. Figure 3.3-2 contain maps of the study areas showing aquatic vegetation beds and field-mapped wetlands.

Crescent Project

PEM Wetlands (Emergent Wetlands)

As shown in Table 3.3-1, emergent wetlands covered approximately 13% of the Crescent impoundment, most of which were PEM1 (Palustrine Emergent Persistent) wetlands (247 acres). PEM2 (Palustrine Emergent Nonpersistent) and PEM5 (Palustrine Emergent *Phragmites*) wetlands were also present but fewer areas. Within the impoundment, a consistent patten of emergent wetland gradients was observed.

At the most landward, upslope area, PEM1 wetlands were located. Dominant species located in the PEM1 wetland types included broadleaf cattail, common reed, joe-pye weed, woolgrass, and sedge species. Further downslope within the shallow water areas, the emergent wetland type graded into PEM2 with more nonpersistent wetland species such as arrowhead, smartweed and bur-reed. In deeper areas, aquatic beds were found.

Finally, within the Crescent impoundment, there was one *Phragmites* dominated wetland (PEM5) that occurred on the outer fringes of a woody wetland island and surrounded by floating aquatic vegetation. The occurrence of PEM wetlands was observed throughout the entire Crescent impoundment. See Figure 3.3-2.

PFO and PSS Wetlands (Woody Wetlands)

Palustrine forested (PFO) and scrub-shrub (PSS) wetlands are also found throughout the entire Crescent impoundment, although PSS wetlands were less abundant and more dispersed. The forested wetlands were entirely categorized as PFO1 (Palustrine Forested Broad-Leaved Deciduous) wetlands and the species present were predominately eastern cottonwood, silver maple, and black willow trees. Other species observed are American sycamore, American elm, boxelder, black locust, silky dogwood, common buckthorn, and European alder. As shown by Table 3.3-1, approximately 53 acres of PFO1 wetlands were observed in the Crescent study area. PSS wetlands were also exclusively broad-leaved deciduous (PSS1) wetlands, with a total area of about 26 acres observed in the Crescent study area. The dominant species found in the PSS1 wetlands were several species of willow shrubs and European alder. Other species present included eastern cottonwood and American elm saplings, silky dogwood and elderberry shrubs, and herbaceous species such as yellow iris, blue vervain, purple loosestrife and reed canarygrass. Both PFO and PSS wetland types were predominately found on low elevation islands or on the fringes of coves usually surrounded by large stands of floating and submerged aquatic vegetation beds. A typical pattern observed within the Crescent impoundment was that where woody wetlands are present, there were often PEM wetlands along the shoreline separating the woody wetland from an aquatic vegetation bed.

Aquatic beds are discussed in more detail in Section 3.4 of this report, but when included in overall coverage, 46% of the Crescent Project impoundment is covered by vegetated wetland cover types (Table 3.3-1).

Vischer Ferry

PEM Wetlands (Emergent Wetlands)

Table 3.3-2 lists the areal coverage of the emergent wetland types (PEM1, PEM2, and PEM5) found in the Vischer Ferry impoundment. Compared to the Crescent Project, there were less emergent wetlands found in the Vischer Ferry impoundment (overall coverage was 20.6 acres or less than 2% of the total impoundment area). PEM1 wetlands had a total area of 18 acres. The PEM2 and PEM5 wetlands were very rare and only covered approximately 2.4 acres and 0.2 acres, respectively. Like the Crescent impoundment, PEM1 wetlands displayed a similar species composition of primarily broadleaf cattail and *Phragmites* and with less dominant species such as smartweed (*Polygonum* sp.), sedges (*Carex* sp.), willow shrubs (*Salix* spp.), arrowhead, and reed canary grass. PEM2 wetlands were also dominated by arrowhead, bur-reed (*Sparganium* sp.), and other nonpersistent herbaceous plants such as jewelweed, monkey flower, and ditch stonecrop. There was one PEM5 wetland, dominated by *Phragmites*, an invasive species, located in the upper reach of the Vischer Ferry impoundment (Figure 3.3-2).

Unlike the Crescent impoundment, the emergent wetlands within the Vischer Ferry impoundment were more widely dispersed and amount to a lower total area. The primary reason for the decrease in emergent wetland presence was related to the prevalence of steep cliff shorelines located in the mid to lower reaches of the impoundment. There were some wetlands adjacent to these high banked areas but only in locations where coves or recesses in the shoreline were present. These areas provided relief from the river current where sediments can accumulate to create conditions suitable to the development of emergent wetlands. The shoreline bank height and slope dramatically decrease in the mid to upper reaches of the Vischer Ferry impoundment which accounts for the higher occurrence of emergent wetlands in these areas. The emergent wetlands located in the Vischer Ferry Project reflected the typical pattern displayed within the Crescent impoundment with respect to species composition and elevation gradient.

PFO and PSS Wetlands (Woody Wetlands)

As shown in Table 3.3-2, woody wetlands found within the Vischer Ferry impoundment are classified as PFO1 and PSS1. PFO1 wetlands had an area and coverage of 6 acres, whereas PSS1 wetlands covered approximately 1 acre. Both PFO1 and PSS1 wetlands were primarily observed in the mid and upper reaches of the Vischer Ferry impoundment where the bank height was lower. The dominant species observed in PFO1 woody wetlands were black willow, eastern cottonwood, silver maple, and boxelder. Some subdominant species found included American elm, American basswood, European alder, and grape. Willow shrub species were the dominant vegetation found in PSS1 wetlands within the Vischer Ferry impoundment. Subdominant species included joe-pye weed, woolgrass, field bindweed, and common buckthorn.

Aquatic beds are discussed in more detail in Section 3.4 of this report, but when included in overall coverage, 25% of the Vischer Ferry Project impoundment is covered by vegetated wetland cover types (Table 3.3-2).

3.4 Aquatic Habitat

In the PAD (Power Authority, 2019) for these Projects, the Mohawk River within the boundaries of the Crescent and Vischer Ferry Projects is classified by the NWI as lake habitat, L1UBHh. Specifically, the classification code of L1UBHh indicates lacustrine, limnetic, unconsolidated bottom, permanently flooded, and diked/impounded. Since the early 1800s, when the Erie Canal was constructed, aquatic habitat in much of the lower Mohawk River has been altered by the construction of dams, locks and canals. Today, most of the aquatic habitat upstream and downstream of the Projects is largely comprised of impoundment habitat (Power Authority, 2019).

This section presents the aquatic vegetation bed field survey results for the Project impoundments. Figure 3.3-2 contain maps of the study areas showing aquatic vegetation beds and adjacent wetlands. Section 3.6 of this report presents the substrate types present at each Project impoundment.

Crescent Project

The impoundment serves as a navigation channel for the Barge Canal. Water depths in the navigation channel are typically at least 10 to 15 feet. Some deeper areas up to 30 feet in the main channel were observed during the field surveys. These deeper areas are generally devoid of vegetation. Shallower, near-shore areas provide more diverse habitats where large stands of floating and submerged aquatic vegetation are common within the Crescent impoundment. Table 3.4-1 lists the aquatic vegetation species

observed in both Crescent and Vischer Ferry impoundments. Referring to Table 3.3-1, the total area of floating vegetation observed in the Crescent impoundment was approximately 577 acres, or 27% coverage of the total area of the Crescent impoundment. Floating aquatic vegetation beds within the impoundment almost exclusively consisted of water chestnut with over 75% areal coverage in most beds. Other subdominant aquatic vegetation species that were also observed in floating aquatic beds included Eurasian milfoil, tapegrass, brittle naiad, water stargrass, coontail, pondweeds, and bladderwort, but these species were observed on the edges of the water chestnut beds.

Submerged aquatic vegetation covered approximately 36 acres, or 2% of the Crescent impoundment. Most of the SAV beds consisted of native species such as tapegrass, water stargrass, pondweed species (*Potamogeton*), and coontail. Invasive species such as Eurasian milfoil, brittle naiad and curly leaved pondweed were also found within the submerged aquatic beds. Throughout the two Projects however, coontail was only found within the Crescent impoundment. Silt/muck of varying depths over cobble/gravel substrate was the dominant substrate where aquatic vegetation beds were found. The Crescent impoundment littoral zone had generally shallow water depths and many shallow-sloped near-shore areas where floating water chestnut monocultures thrive. Overall, aquatic vegetation beds, consisting mostly of water chestnut, cover approximately 29% of the Crescent impoundment.

Vischer Ferry

As with the Crescent impoundment, the Vischer Ferry impoundment serves as a navigation channel for the Barge Canal. Water depths in the navigation channel are typically at least 10 to 15 feet. Some deeper areas up to 25-30 feet were also observed during the field surveys. These deeper areas are generally devoid of vegetation.

Native SAV beds are prominent throughout the Vischer Ferry impoundment. As shown by Table 3.3-2, the total area of SAV beds was 74 acres (7% total cover) within the project boundary. The SAV beds were found in depths up to 10-12 feet and grow in various substrates, from silt to gravel dominated shorelines. In areas where shoreline and littoral zone contain cobble/boulder substrates, native SAV beds are less dense. The most common species were native, including tapegrass, water stargrass, white water lily, and floating pondweed. Table 3.4-1 lists the aquatic vegetation species observed in both Crescent and Vischer Ferry impoundments. Subdominant species that were observed within these SAV beds included invasive species such as Eurasian milfoil, water chestnut, brittle naiad, as well as other native species such as sago pondweed, and clasping-leaved pondweed. The SAV beds observed within the Vischer Ferry impoundment were predominately located in the mid to upper reaches of the impoundment where the shoreline gradient is much shallower.

In the lower reaches where sheer bedrock and shale cliffs are found, water depths were observed up to 25-30 feet. A visible pattern observed within the impoundment was that in the mid to upper reaches, SAV beds were dominant, whereas floating vegetation beds were more dominant in the mid to lower reaches. The total area of floating vegetation beds was around 187 acres. Like the Crescent impoundment, the floating beds were mainly monocultures of water chestnut with other submerged species sparsely distributed along the edges of the water chestnut beds. Coontail was not found in the Vischer Ferry impoundment. Overall, aquatic beds covered approximately 23% (261 acres) of Vischer Ferry impoundment.

3.5 Invasive Plant Species

There was a substantial amount of invasive plant species occurrences documented at both the Crescent

and Vischer Ferry study areas. Table 3.4-1 includes the aquatic invasive plant species and Table 3.2-2 lists the terrestrial invasive plant species observed during the surveys. The most common and widespread terrestrial invasive plants found in both impoundments were European alder, tree of heaven, purple loosestrife, Japanese knotweed, common reed, reed canarygrass, common mugwort, Norway maple, Oriental bittersweet, autumn olive, common buckthorn, black locust, honeysuckle, and multiflora rose. The most widespread and abundant aquatic invasive species found within both impoundments was European water chestnut. Eurasian milfoil, brittle naiad, and curly-leaved pondweed were also found at lower densities in both impoundments.

The majority of terrestrial and aquatic invasive species observed during the field surveys are classified by PRISM as Tier 4-local control (Capital/Mohawk PRISM 2018). Brittle naiad was the only Tier 3-containment species observed throughout both Projects. Tier 4 indicates that the species is well-established in the region and eradication efforts are not feasible; only localized management over time to contain, exclude, or suppress, if justified to meet local management goals. Tier 3 indicates that the species are likely too widespread for eradication, but in low enough abundance to consider regional containment.

3.6 Benthic Substrate and Freshwater Mussels

Substrate observations collected during the summer surveys were confirmed and updated as necessary during the fall survey when the flashboards were removed and the bottom was more visible. Most of the floating aquatic vegetation had died back by the fall survey in November, also facilitating the substrate type classifications. Substrate data collected for this study represents near shore conditions, generally to a river depth of up to 10 feet. Data are presented as linear (rather than areal) features parallel to the shoreline. Bottom substrates in deeper areas of the channel were not mapped.

As shown in Table 3.6-1, substrate was mapped along 32.2 miles of shoreline throughout the Crescent Impoundment. The most common shoreline substrate found was silt with a percent cover of 52%. Cobble was the next most abundant substrate with a percent cover of 22%. Both gravel and boulder areas were present at coverages of 12% and 5%, respectively. Ledge was present, primarily in areas where the shoreline contained bedrock outcrops that extended into the river. Sand substrate was sparse, observed in less than 1% of the shoreline throughout the Crescent Project.

Substrate was mapped along 30.7 miles of shoreline throughout the Vischer Ferry Impoundment. The most common shoreline substrate found was also silt with a coverage of 44% (Table 3.6-2). Boulder substrate was also fairly common, accounting for 23% coverage. Gravel and cobble were also well represented at coverages of 14% and 16%, respectively. Areas of ledge and clay were present in small amounts, but no areas of sand substrate were observed.

During the summer surveys, no freshwater mussels were observed; however, areas of potential mussel habitat can be determined based on the substrate type and density of aquatic vegetation throughout the impoundments. Mussel species may have different habitat preferences, so the substrate data were referred to during the fall surveys to target areas of potential mussel presence.

During the fall field surveys, areas of the shoreline were searched for the presence of freshwater mussels. Figure 3.6-1 shows the locations of native freshwater mussels observed during the field surveys. The mussels found at the Projects during the surveys include three species common in New York State: *Lampsilis radiata* (Eastern Lampmussel), *Pyganodon grandis* (Giant Floater), and *Leptodea fragilis* (Fragile Papershell). All three species occurred at both Projects. No state or federally listed rare, threatened,

endangered, or special concern mussel species were found at either Project. Throughout the Crescent Project, relic mussel shells were primarily found in shoreline areas dominated by gravel or cobble substrates with very few occurrences found in areas dominated by silt or ledge. However, within the Vischer Ferry Project, relic mussel shells were primarily observed along silt shorelines. Mussel shells were also observed in gravel and cobble shorelines but with a much lower occurrences as displayed within the Crescent Project. During the field survey, only two live mussels were found - both within the Crescent Project. Between the two Projects, occurrences of relic mussel shells were much higher within the Crescent Project. Table 3.6-3 lists the mussel species identified at both Projects.

3.7 Wildlife Observations

The aquatic bed and emergent wetland habitats along the impoundment shorelines offered particularly high-quality wildlife habitat. Avian species routinely observed using these habitats included Kingfisher, Mallard, Black Duck, Great Blue Heron, Green Heron, Spotted Sandpiper, Merganser, and Great Egret. The wading birds used the forested uplands and wooded wetlands for perching and cover and were frequently observed utilizing the aquatic beds for foraging. Songbirds such as Cedar Waxwing, Red-Wing Blackbird and Bank Swallow were commonly observed during the surveys. Table 3.7-1 contains the complete list of wildlife species observed during the field survey within both the Crescent and Vischer Ferry impoundments. The SAV and PEM habitats also provide high quality nurseries for juvenile fish species and dense cover from predators. No fish nests were observed during the field surveys of the littoral zone.

Throughout field survey periods, a total of 36 Bald Eagle sightings were recorded (these include multiple observations of the same birds, as the impoundments were traversed several times, as well as incidental observations during the course of other relicensing field studies during 2020). Of the 36 sightings, 10 were confirmed juvenile Bald Eagles and the sightings occurred in both Crescent and Vischer Ferry impoundments. All the Bald Eagles observed during the field survey were documented either in flight or roosting. One potential nest was observed during the fall survey, but no eagles were observed at the nest at the time. Figure 3.7-1 shows the locations of Bald Eagles observed during the field surveys. Osprey nests were also observed at the Crescent Project. No other RTE animal or plant species listed in Table 2.1-1 were observed during the field surveys.

3.8 Littoral Zone with Boards Down

Crescent

The littoral zone was surveyed during November following the removal of the 12-inch flashboards from the Crescent Project Dam. This resulted in a one-foot decrease in water elevation throughout the Crescent impoundment. The Crescent Project impoundment contains many shallow coves and emergent wetlands that can be affected by a decrease in water elevations during the non-navigation season. During this period, however, many of the emergent wetland and aquatic bed vegetation had already died-back for the winter.

During the survey, areas of these emergent wetlands and coves were dewatered and the persistent vegetation, such as cattail stands, were out of the water. Furthermore, following the die-off of the water chestnut beds, previously inaccessible back channels were navigable by boat. However, access was still limited due to the shallow water depths during the fall survey. Submerged aquatic vegetation beds were undergoing senescence (die-back) during the fall survey, but were still visible at deeper depths. The emergent wetlands observed during the growing season were widespread and in good condition, as these vegetated wetland habitats are adapted to seasonal flooding periods.

Vischer Ferry

Like the Crescent Project, the Vischer Ferry Project was surveyed during November following the removal of the 27-inch flashboards. However, unlike the Crescent Project, The Vischer Ferry Project primarily has deeper water depths and less emergent wetlands and back channel areas throughout the reach. The emergent wetlands are predominately found at the lower and upper ends of the impoundment. The emergent wetlands displayed a similar change from the summer to fall as the Crescent Project. Emergent persistent wetland (PEM1) vegetation was still visible but emergent nonpersistent wetlands (PEM2) had died back for the year. Like the Crescent Project, the water chestnut beds had also died back, but shorelines and exposed silt bars contained vast swaths of exposed water chestnut seed pods. The middle reaches of the Vischer Ferry Project contains large submerged aquatic vegetation beds that made boat navigation difficult due to the lack of open water to navigate around them. The submerged aquatic vegetation beds were in deeper water and largely unaffected by the lower impoundment level.

Table 3.1-1: Record of Climatological Observations during the Field Survey from NOAA Station Albany International Airport

Survey Date	Temp. Max (F)	Temp. Min (F)	Precip. (inches)
7/27/2020	93	64	Trace
7/28/2020	81	61	0.35
7/29/2020	86	57	0.01
7/30/2020	81	63	0.05
7/31/2020	83	57	0
8/3/2020	82	66	0
8/4/2020*	72	63	3.92
8/26/2020	69	52	0
8/27/2020	63	54	0.40
8/28/2020	74	55	0
11/18/2020	28	16	Trace
11/19/2020	41	16	0
11/20/2020	56	39	0

** Field surveys suspended on August 4, 2020 at the onset of heavy precipitation.*

Table 3.2-1: Summary of Land Use/Land Cover in Crescent Project 50 Foot Riparian Zone

Land Use/Land Cover	Area (Acres)	Percent Cover
Grassland/Herbaceous	0	0%
Cultivated Crops	3	1%
Deciduous Forest	52	21%
Mixed Forest	23	9%
Shrub/Scrub (Upland)	1	0%
Developed, High Intensity	6	2%
Developed, Low Intensity	61	25%
Developed, Medium Intensity	0	0%
Developed, Open Space	42	17%
Emergent Herbaceous Wetlands	8	3%
Woody Wetlands	49	20%
Open Water	0	0%
Total	**245**	**100%**

Table 3.2-2: Summary of all Terrestrial Plants Observed Within/Adjacent to both Crescent and Vischer Ferry Project Boundaries

Common Name	Scientific name	Wetland Indicator Status	Invasive/ PRISM Tier
Box Elder	*Acer negundo*	FAC	
Norway Maple	*Acer platanoides*	UPL	YES/Tier 4
Red Maple	*Acer rubrum*	FAC	
Silver Maple	*Acer saccharinum*	FACW	
Sugar Maple	*Acer saccharum*	FACU	
Tree of Heaven	*Ailanthus altissima*	UPL	YES/Tier 4
Garlic Mustard	*Alliaria petiolata*	FACU	YES/Tier 4
European Black Alder	*Alnus glutinosa*	FACW	YES/Tier 4
Service Berry	*Amelanchier spp.*	FAC	
False Indigo-bush	*Amorpha fruticosa*	FACW	
Burdock	*Arctium minus*	FACU	
Common Mugwort	*Artemisia vulgaris*	UPL	YES/Tier 4
Swamp Milkweed	*Asclepias incarnata*	OBL	
River Birch	*Betula nigra*	FACW	
White Birch	*Betula papyrifera*	FACU	
Flowering Rush	*Butomus umbellatus*	OBL	YES/Tier 4
Sedges	*Carex spp.*	OBL	
Pignut Hickory	*Carya glabra*	FACU	
Shagbark Hickory	*Carya ovata*	FACU	
Northern Catalpa	*Catalpa speciosa*	FACU	
Oriental Bittersweet	*Celastrus orbiculatus*	UPL	YES/Tier 4
Greater Celandine	*Chelidonium majus*	UPL	
Thistle	*Cirsium spp.*	FACU	
Field Bindweed	*Convolvulus arvensis*	FAC	
Silky Dogwood	*Cornus amomum*	FACW	
Hawthorn	*Crataegus spp.*	FACU	
Common Dodder	*Cuscuta gronovii*	FACW	
Nut Flat Sedge	*Cyperus esculentus*	FACW	
Queen Anne's Lace	*Daucus carota*	UPL	
Autumn Olive	*Elaeagnus umbellata*	FACU	YES/Tier 4

Common Name	Scientific name	Wetland Indicator Status	Invasive/ PRISM Tier
Monkey Flower	*Erythranthe spp.*	OBL	
Common Boneset	*Eupatorium perfoliatum*	FACW	
Joe-Pye weed	*Eutrochium purpureum*	OBL	
American Beech	*Fagus grandifolia*	FACU	
Japanese Knotweed	*fallopia japonica*	FACU	YES/Tier 4
White Ash	*Fraxinus americana*	FACU	
Green Ash	*Fraxinus pennsylvanica*	FACW	
Witch-hazel	*Hamamelis spp.*	FACU	
Jewel Weed	*Impatiens capensis/pallida*	FACW	
Yellow Iris	*Iris pseudacorus*	OBL	YES/Tier 4
Eastern American Black Walnut	*Juglans nigra*	FACU	
Creeping Juniper	*Juniperus horizontalis*	FACU	
Eastern Red Cedar	*Juniperus virginiana*	FACU	
Honeysuckle	*Lonicera spp.*	FACU	YES/Tier 4
Purple Loosestrife	*Lythrum salicaria*	OBL	YES/Tier 4
Bergamot	*Monarda spp.*	FACU	
Eastern Hop Hornbeam	*Ostrya virginiana*	FACU	
Virginia Creeper	*Parthenocissus quinquefolia*	FACU	
Ditch Stonecrop	*Penthorum sedoides*	OBL	
Reed Canary Grass	*Phalaris arundinacea*	FACW	YES/Tier 4
Common Reed	*Phragmites australis*	FACW	YES/Tier 4
American Pokeweed	*Phytolacca americana*	FACU	
Blue Spruce	*Picea pungens*	FACU	
Red Pine	*Pinus resinosa*	FACU	
Eastern White Pine	*Pinus strobus*	FACU	
American Sycamore	*Platanus occidentalis*	FACW	
Smartweed	*Polygonum spp.*	FACW	
Eastern Cottonwood	*Populus deltoides*	FAC	
Quaking Aspen	*Populus tremuloides*	FACU	
Black Cherry	*Prunus serotina*	FACU	
White Oak	*Quercus alba*	FACU	
Chestnut Oak	*Quercus montana*	UPL	
Pin Oak	*Quercus palustris*	FACW	

Common Name	Scientific name	Wetland Indicator Status	Invasive/ PRISM Tier
Red Oak	*Quercus rubra*	FACU	
Common Buckthorn	*Rhamnus cathartica*	FAC	YES/Tier 4
Staghorn Sumac	*Rhus typhina*	FACU	
Black Locust	*Robinia pseudoacacia*	FACU	YES/Tier 4
Multiflora Rose	*Rosa multiflora*	FACU	YES/Tier 4
Arrowhead	*Sagittaria latifolia*	OBL	
Black Willow	*Salix nigra*	OBL	
Willow shrub	*Salix spp.*	FACW	
Elderberry	*Sambucus spp.*	FACW	
Sassafras	*Sassafras albidum*	FACU	
Soft stem Bulrush	*Schoenoplectus tabernaemontani*	OBL	
Wool grass	*Scirpus cyperinus*	OBL	
Goldenrod	*Solidago spp.*	FACU	
Bur-reed	*Sparganium spp.*	OBL	
American Basswood	*Tilia americana*	FACU	
Eastern Hemlock	*Tsuga canadensis*	FACU	
Broadleaf Cattail	*Typha latifolia*	OBL	
American Elm	*Ulmus americana*	FACW	
Slippery Elm	*Ulmus rubra*	FAC	
Lowbush Blueberry	*Vaccinium angustifolium*	FACU	
Blue Vervain	*Verbena hastata*	FACW	
Wild Grape	*Vitus spp.*	FAC	
Prickly Burweed	*Xanthium spinosum*	FACU	

Indicator Status:

Obligate (OBL): Occur almost always under natural conditions in wetlands. Facultative Wetland (FACW): Usually occur in wetlands but occasionally found in non-wetlands. Facultative (FAC: Equally likely to occur in wetlands and non-wetlands. Facultative Upland (FACU): Usually occur in non-wetlands but occasionally found in wetlands.

Invasive species status from Capital/Mohawk PRISM 2018

Tier 4 – Local Control: Well-established species with high and very high impacts. Eradication efforts not feasible; only localized management over time to contain, exclude, or suppress, if justified to meet local management goals.

Table 3.2-3: Summary of Land Use/Land Cover in the Vischer Ferry Project 50-Foot Riparian Zone

Land Use/Land Cover	Area (Acres)	Percent Cover
Grassland/Herbaceous	4	2%
Cultivated Crops	0	0%
Deciduous Forest	67	33%
Mixed Forest	23	11%
Shrub/Scrub (Upland)	4	2%
Developed, High Intensity	13	6%
Developed, Low Intensity	39	19%
Developed, Medium Intensity	4	2%
Developed, Open Space	14	7%
Emergent Herbaceous Wetlands	3	2%
Woody Wetlands	32	16%
Open Water	0.2	0%
Total	204	100%

Table 3.3-1: Summary of Wetland Area and Coverage within the Crescent Project Boundary

Cover Type	Wetland Classification (NWI)	Area (Acres)	Percent Overall Cover
Emergent Wetland	Palustrine Emergent Persistent (PEM1)	247	12%
	Palustrine Emergent Nonpersistent (PEM2)	3	0.2%
	Palustrine Emergent *Phragmites* (PEM5)	24	1%
	Subtotal	274	13%
Woody Wetland	Palustrine Forested Broad-Leaved Deciduous (PFO1)	53	3%
	Palustrine Scrub-Shrub Broad-Leaved Deciduous (PSS1)	26	1%
	Subtotal	79	4%
Aquatic Bed	Floating	577	27%
	Submerged	36	2%
	Subtotal	613	29%
Total Coverage of all Wetlands		**966**	**46%**
Total Area of Crescent Impoundment (measured in GIS)		**2108**	**-**

Table 3.3-2: Summary of Wetland Area and Coverage within the Vischer Ferry Project Boundary

Cover Type	Wetland Classification (NWI)	Area (Acres)	Percent Overall Cover
Emergent Wetland	Palustrine Emergent Persistent (PEM1)	18.0	1.6%
	Palustrine Emergent Nonpersistent (PEM2)	2.4	0.2%
	Palustrine Emergent *Phragmites* (PEM5)	0.2	0.01%
	Subtotal	20.6	1.8%
Woody Wetland	Palustrine Forested Broad-Leaved Deciduous (PFO1)	6.0	0.5%
	Palustrine Scrub-Shrub Broad-Leaved Deciduous (PSS1)	1.0	0.1%
	Subtotal	7.0	0.6%
Aquatic Bed	Floating	187	16%
	Submerged	74	7%
	Subtotal	261	23%
Total Coverage of all Wetlands		**289**	**25%**
Total Area of Vischer Ferry Impoundment (measured in GIS)		**1137**	**-**

Table 3.4-1: Summary of Aquatic Vegetation Species Observed in both Crescent and Vischer Ferry Project Boundaries

Common name	Scientific Name	Invasive /PRISM Tier	Notes
Clasping-leaved pondweed	*Potamogeton perfoliatus*	No	Common in both impoundments
Floating pondweed	*Potamogeton natans*	No	Common in both impoundments
Sago pondweed	*Stuckenia pectinata*	No	Common in both impoundments
Water stargrass	*Heteranthera dubia*	No	Very common in both impoundments
Coontail	*Ceratophyllum demersum*	No	Only observed in Crescent impoundment (common)
Tapegrass	*Vallisneria americana*	No	Very common in both impoundments
Bladder wort	*Ultricularia spp.*	No	Very sparse; only observed in Crescent impoundment
Common waterweed	*Elodea canadensis*	No	Very sparse in both impoundments
European water chestnut	*Trapa natans*	Yes/Tier 4	Abundant monocultures in both impoundments
Eurasian milfoil	*Myriophyllum spicatum*	Yes/Tier 4	Common in both impoundments
Curly-leaved pondweed	*Potamogeton crispus*	Yes/Tier 4	Sparse in both impoundments
Brittle naiad	*Najas minor*	Yes/Tier 3	Common in both impoundments

Invasive species status from Capital/Mohawk PRISM 2018

Tier 4 – Local Control: Well-established species with high and very high impacts. Eradication efforts not feasible; only localized management over time to contain, exclude, or suppress, if justified to meet local management goals.

Tier 3 – Containment: High and very high impact species that are likely too widespread for eradication, but low enough abundance to think about regional containment. Target strategic management to slow the spread since many surrounding regions could be at risk if left unattended.

Table 3.6-1: Summary of The Crescent Project Shoreline Substrate Type Percent Cover and Total Length in Feet

Substrate	Length (ft)	Length (miles)	Percentage
Boulder	7,827	1.5	5%
Clay	0	0.0	0%
Cobble	37,431	7.1	22%
Gravel	21,255	4.0	12%
Ledge	14,354	2.7	8%
Sand	96	<0.01	<0.01%
Silt	89,222	16.9	52%
Total	170,186	32.2	100%

Percent Cover in respect to the total Project Boundary Perimeter

Table 3.6-2: Summary of The Vischer Ferry Project Shoreline Substrate Type Percent Cover and Total Length in Feet

Substrate	Length (ft)	Length (miles)	Percentage
Boulder	36,522	6.9	23%
Clay	2,250	0.4	1%
Cobble	26,178	5.0	16%
Gravel	22,973	4.4	14%
Ledge	2,885	0.5	2%
Sand	0	0.0	0%
Silt	71,167	13.5	44%
Total	161,975	30.7	100%

Percent Cover in respect to the total Project Boundary Perimeter

Table 3.6-3: Native Freshwater Mussel Species Observed within the Crescent and Vischer Ferry Project Boundary.

Common name	Scientific name	State Conservation Status Rank
Eastern Lampmussel	*Lampsilis radiata*	S4S5
Fragile Papershell	*Leptodea fragilis*	S3
Giant Floater	*Pyganodon grandis*	S4

State Conservation Status Rank:

S3 = Vulnerable in NYS.

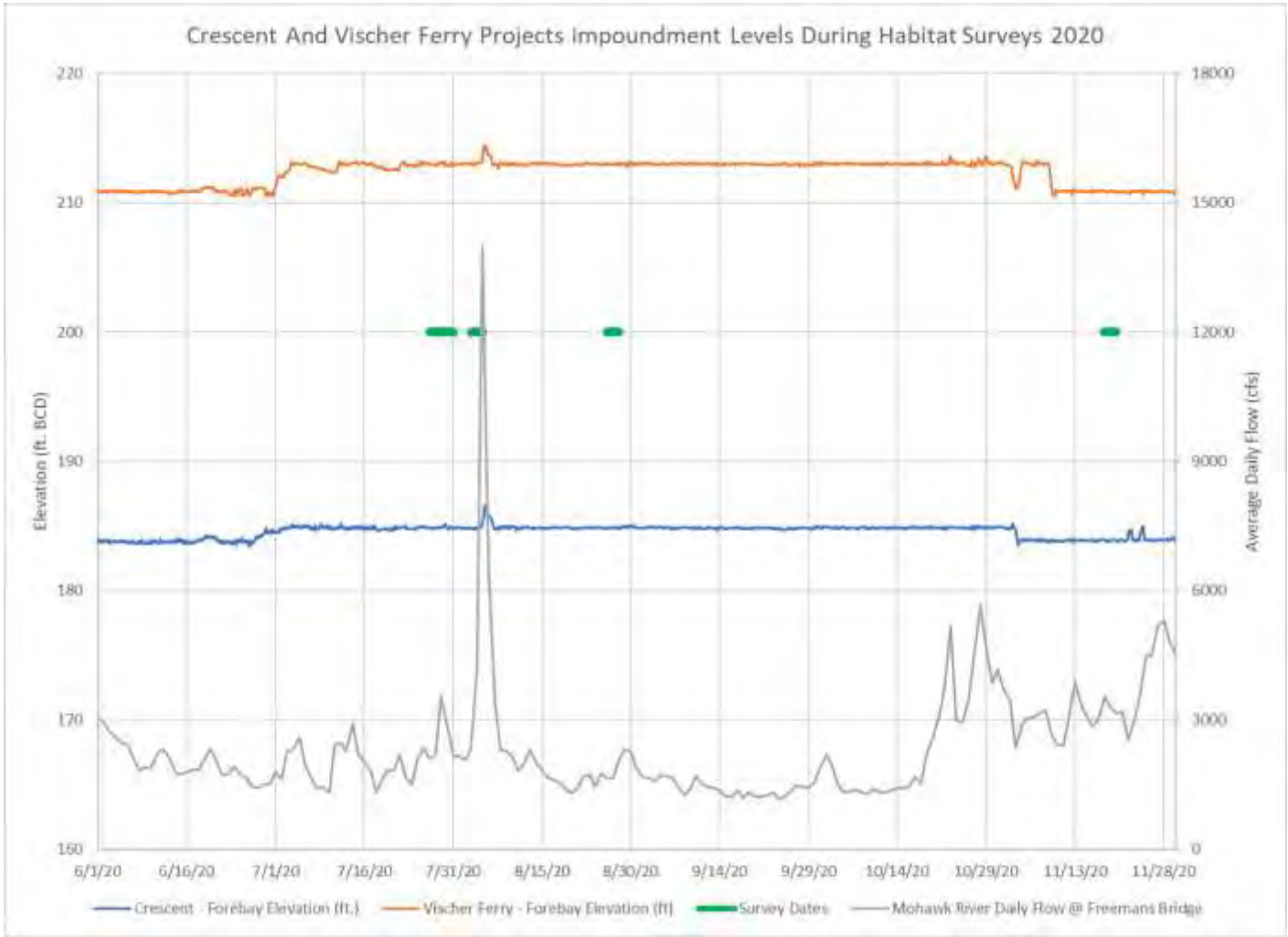
S4 = Apparently Secure in NYS.

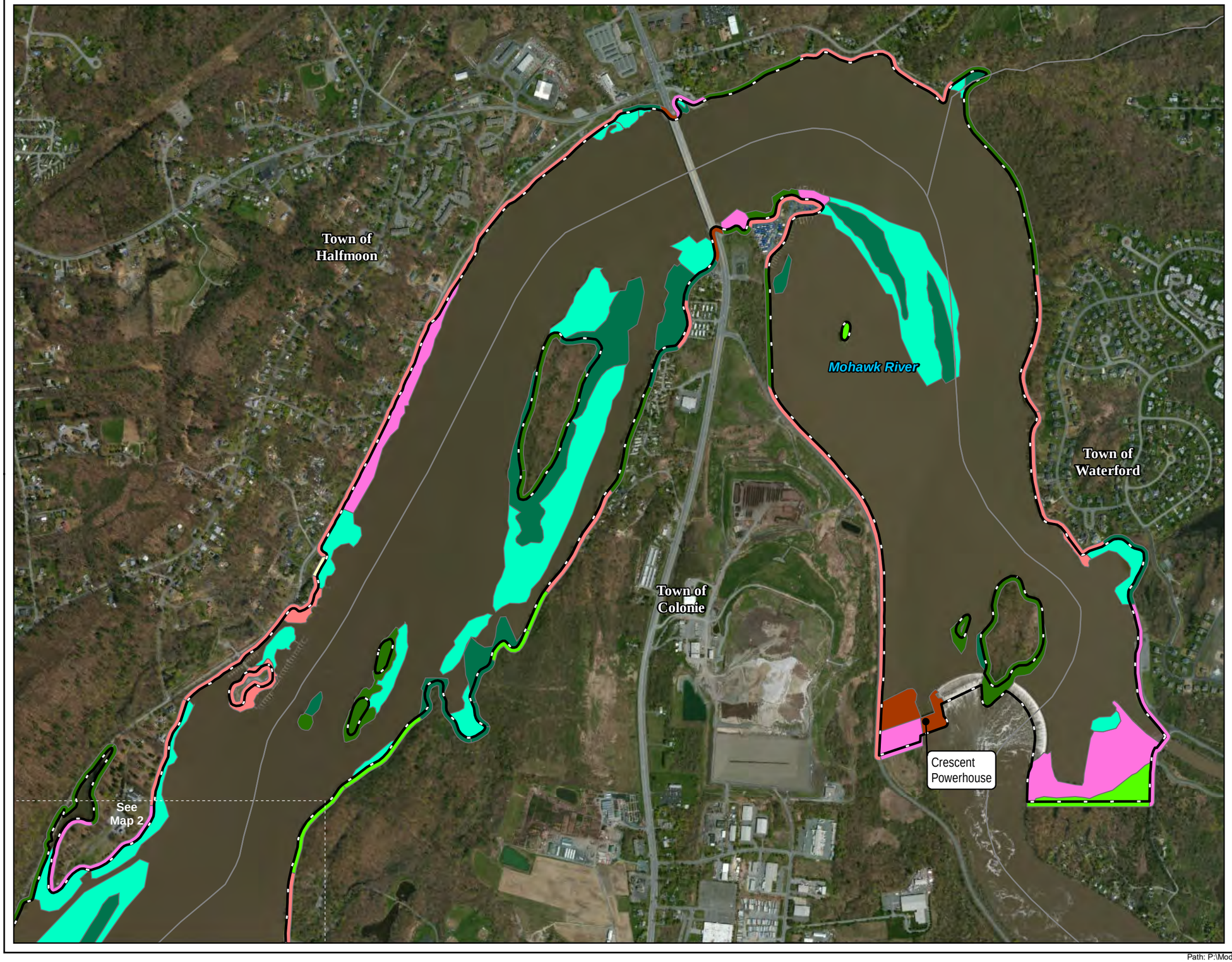
S5 = Secure in NYS.

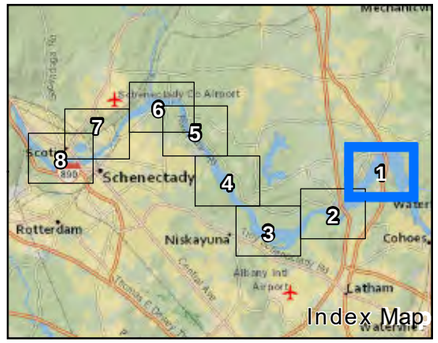
Table 3.7-1: Summary of all Fauna Observed within the Crescent and Vischer Ferry Project Boundary

Common name	Scientific name
Birds	
Spotted Sandpiper	*Actitis macularius*
Red-winged Blackbird	*Agelaius phoeniceus*
Mallard	*Anas platyrhynchos*
American Black Duck	*Anas rubripes*
Great Egret	*Ardea alba*
Great Blue Heron	*Ardea herodias*
Cedar Waxwing	*Bombycilla cedrorum*
Red-tailed Hawk	*Buteo jamaicensis*
Green Heron	*Butorides virescens*
Bald Eagle	*Haliaeetus leucocephalus*
Belted Kingfisher	*Megaceryle alcyon*
Wild Turkey	*Meleagris gallopavo*
Common Merganser	*Mergus merganser*
Osprey	*Pandion haliaetus*
Double-crested Cormorant	*Phalacrocorax auritus*
Bank Swallow	*Riparia riparia*
Mammals	
North American Beaver	*Castor canadensis*
White-tailed Deer	*Odocoileus virginianus*
Muskrat	*Ondatra zibethicus*
Herptiles	
Common Snapping Turtle	*Chelydra serpentina*
Painted Turtle	*Chrysemys picta*

Figure 3.1-1: Projects Impoundment Levels and Mohawk River Flow during Habitat Surveys







Crescent and Vischer Ferry
Projects Relicensing
FERC No. P-4678 and P-4679

Figure 3.2-1
Land Use/Land Cover
and Shoreline Erosion Areas
Map 1

Legend

- Crescent Project Boundary
- Vischer Ferry Project Boundary
- Deciduous Forest
- Developed, High Intensity
- Developed, Low Intensity
- Developed, Open Space
- Emergent Herbaceous Wetlands
- Mixed Forest
- Shrub/Scrub
- Woody Wetlands

N

Service Layer Credits: National Geographic, Esri, Garmin, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P Corp.
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

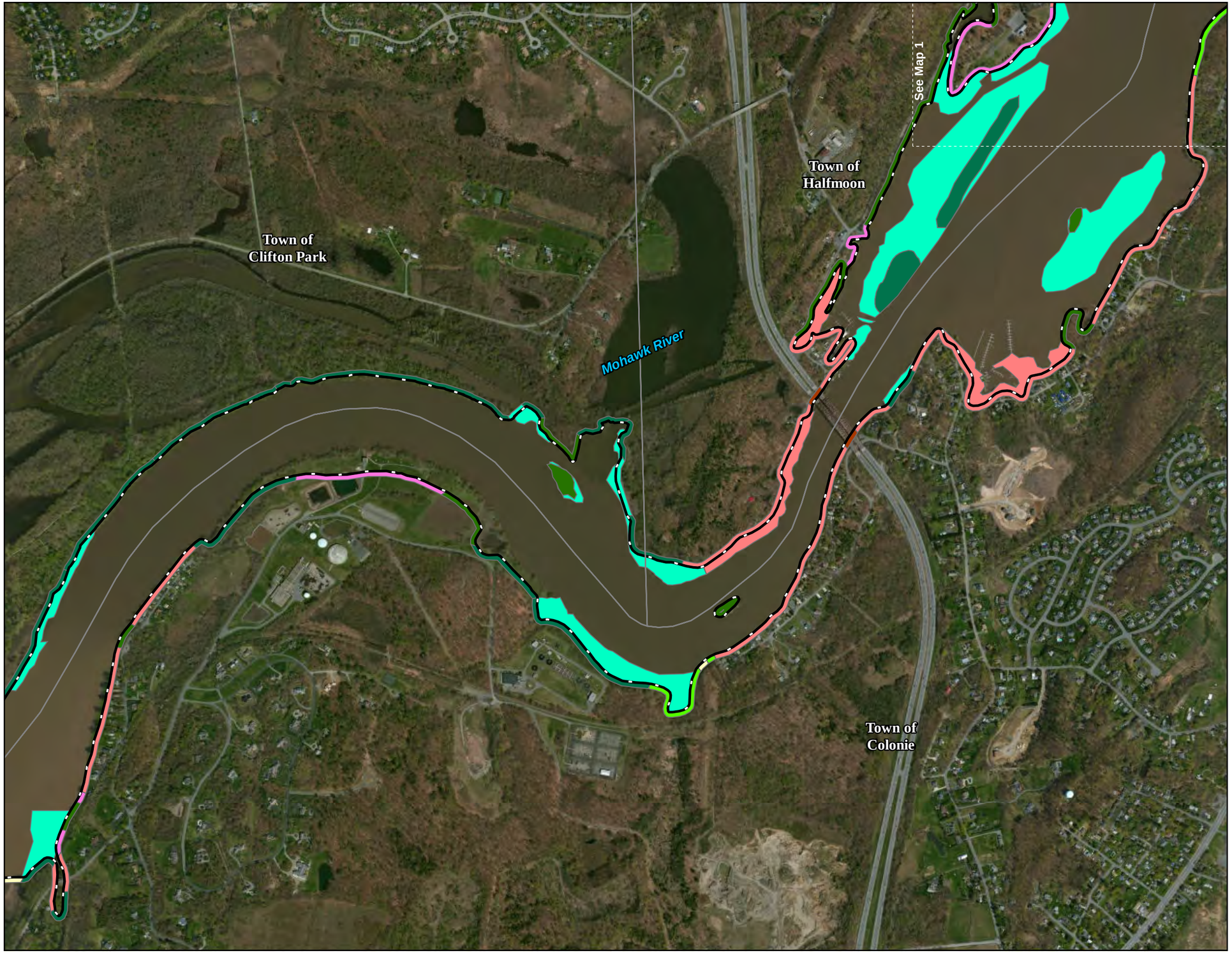
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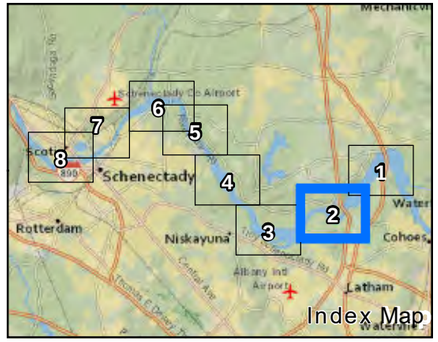
1 inch = 1,000 feet

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Crescent and Vischer Ferry
Projects Relicensing
FERC No. P-4678 and P-4679

Figure 3.2-1
Land Use/Land Cover
and Shoreline Erosion Areas
Map 2

Legend

- Crescent Project Boundary
- Vischer Ferry Project Boundary
- Deciduous Forest
- Developed, High Intensity
- Developed, Low Intensity
- Developed, Open Space
- Emergent Herbaceous Wetlands
- Mixed Forest
- Shrub/Scrub
- Woody Wetlands

N

Service Layer Credits: National Geographic, Esri, Garmin, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P Corp.
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

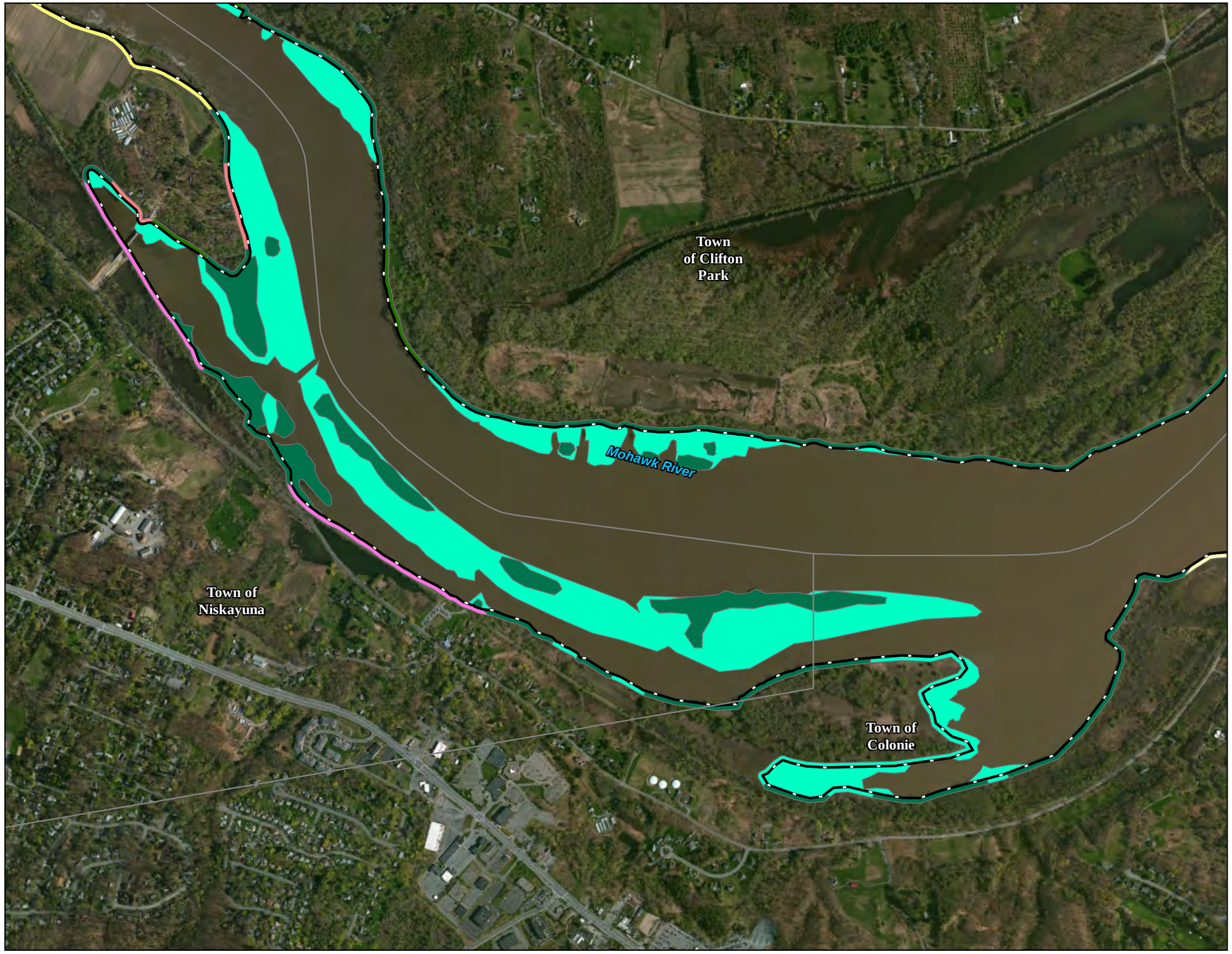
0 500 1,000 2,000 Feet

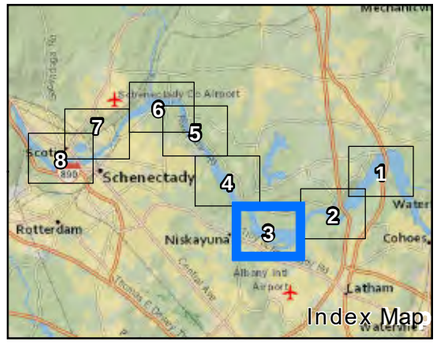
1 inch = 1,000 feet

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Crescent and Vischer Ferry
Projects Relicensing
FERC No. P-4678 and P-4679

Figure 3.2-1
Land Use/Land Cover
and Shoreline Erosion Areas
Map 3

Legend

- Crescent Project Boundary
- Vischer Ferry Project Boundary
- Cultivated Crops
- Deciduous Forest
- Developed, Low Intensity
- Developed, Open Space
- Emergent Herbaceous Wetlands
- Shrub/Scrub
- Woody Wetlands

N

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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

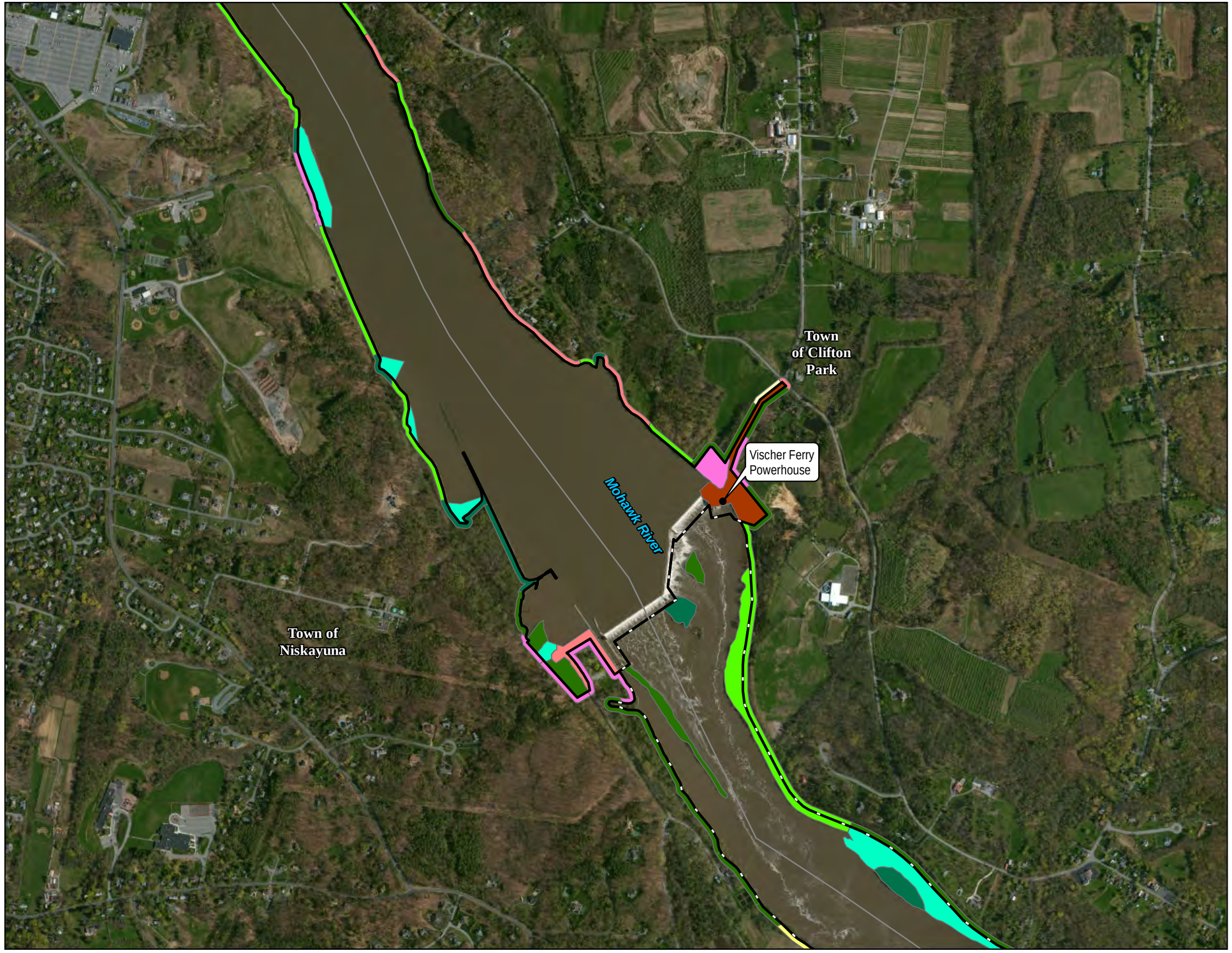
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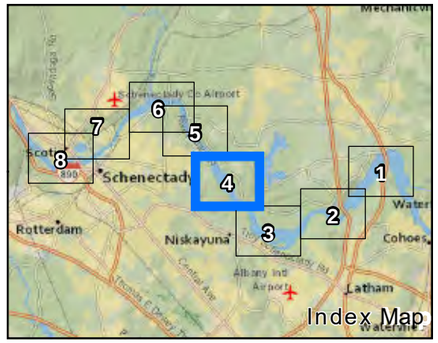
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Crescent and Vischer Ferry
Projects Relicensing
FERC No. P-4678 and P-4679

Figure 3.2-1
Land Use/Land Cover
and Shoreline Erosion Areas
Map 4

Legend

- Crescent Project Boundary
- Vischer Ferry Project Boundary
- Cultivated Crops
- Deciduous Forest
- Developed, High Intensity
- Developed, Low Intensity
- Developed, Open Space
- Emergent Herbaceous Wetlands
- Mixed Forest
- Shrub/Scrub
- Woody Wetlands

N

Service Layer Credits: National Geographic, Esri, Garmin, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P Corp.
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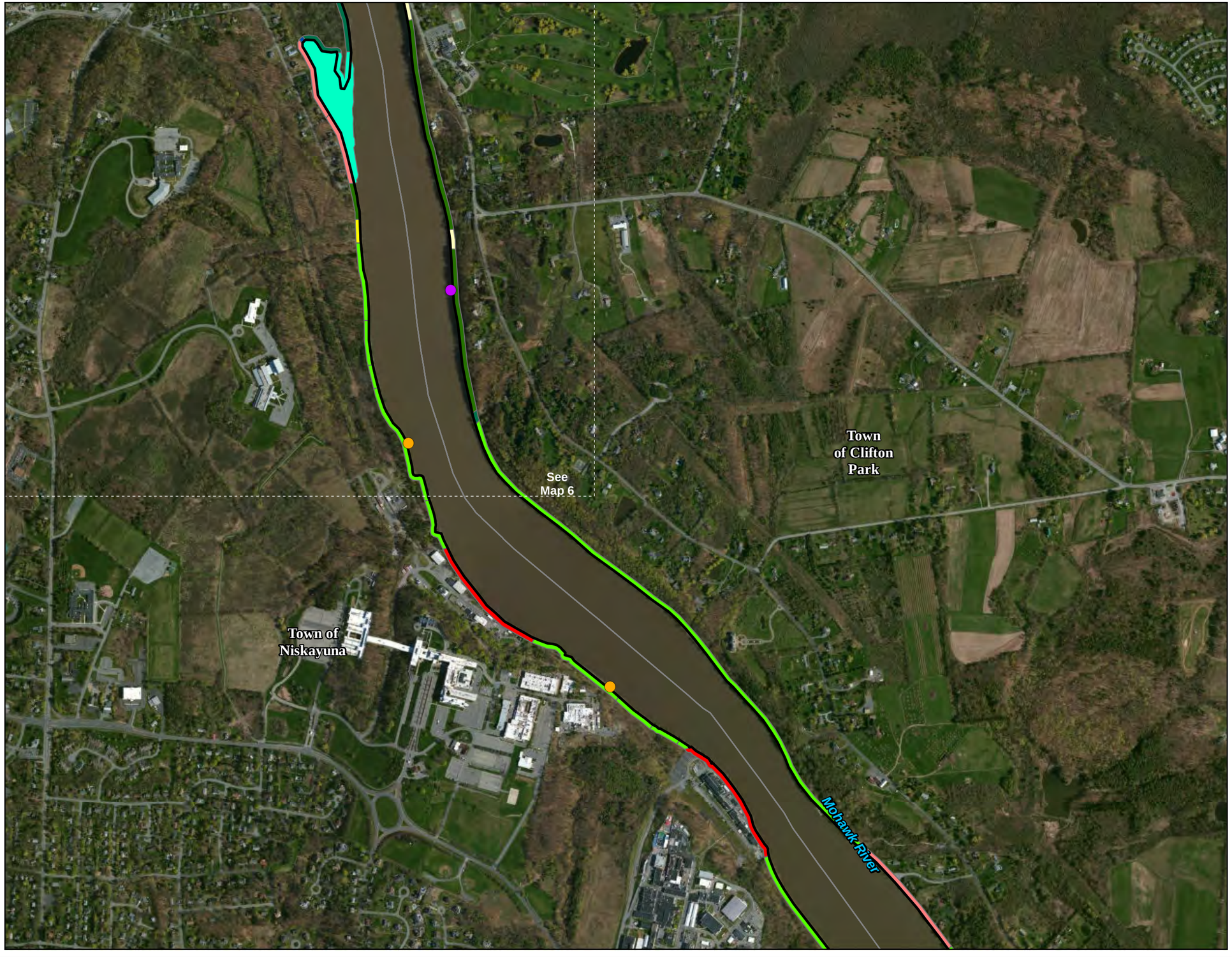
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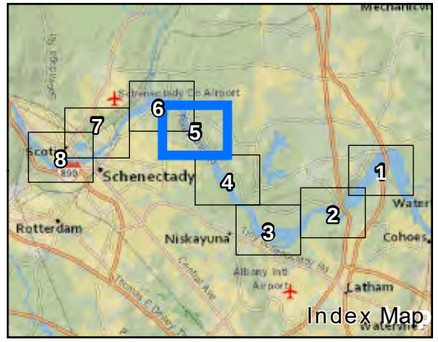
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Crescent and Vischer Ferry
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FERC No. P-4678 and P-4679

Figure 3.2-1
Land Use/Land Cover
and Shoreline Erosion Areas
Map 5

Legend

- Crescent Project Boundary
- Vischer Ferry Project Boundary
- Fluvial Erosion
- Mass Wasting Erosion
- Deciduous Forest
- Developed, Low Intensity
- Developed, Medium Intensity
- Emergent Herbaceous Wetlands
- Grassland/Herbaceous
- Mixed Forest
- Open Water
- Shrub/Scrub
- Woody Wetlands

N

Service Layer Credits: National Geographic, Esri, Garmin, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P Corp.
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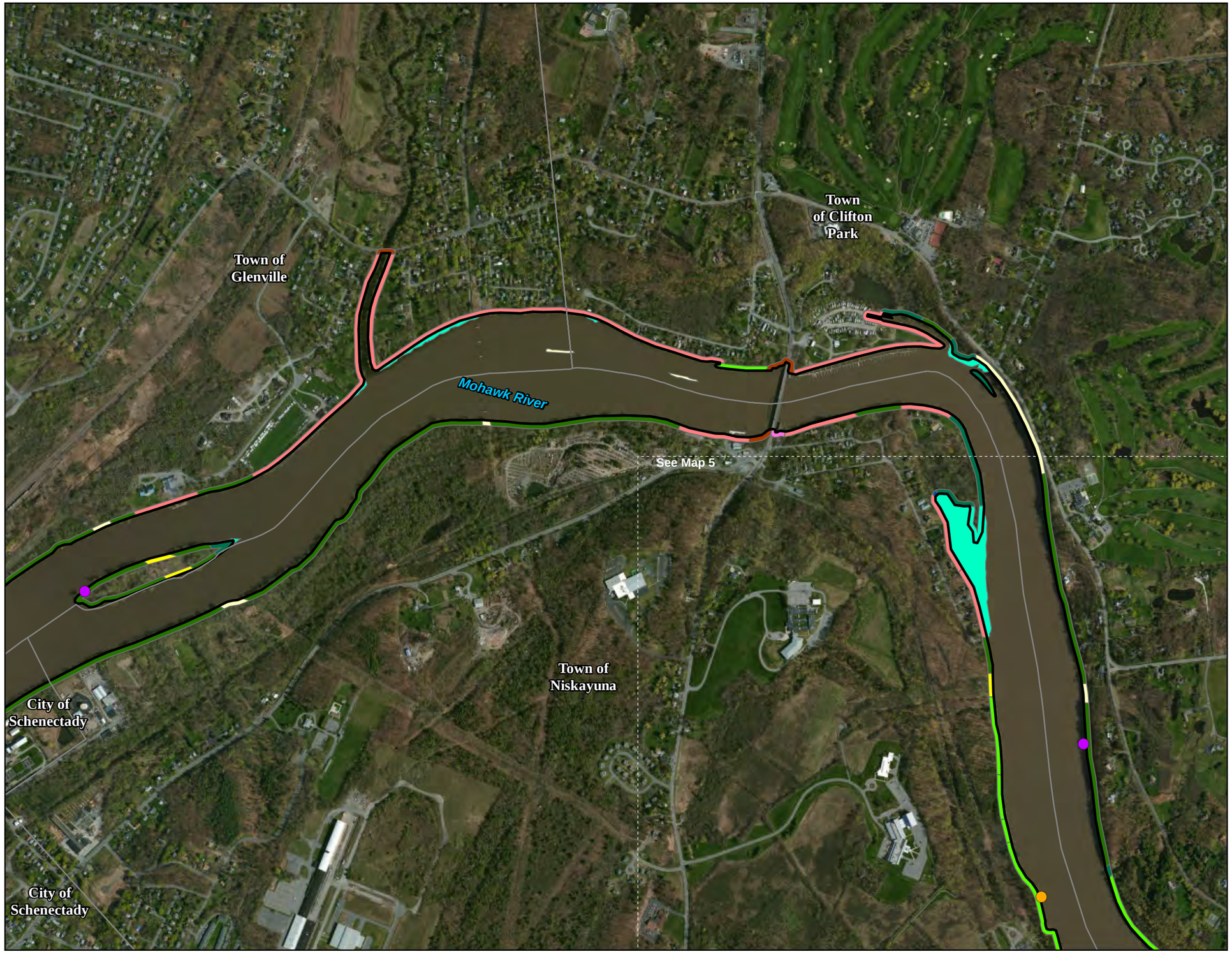
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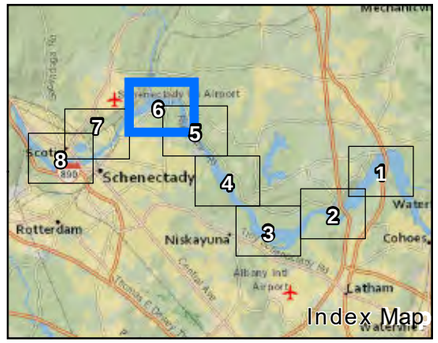
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FERC No. P-4678 and P-4679

Figure 3.2-1
Land Use/Land Cover
and Shoreline Erosion Areas
Map 6

Legend

- Crescent Project Boundary
- Vischer Ferry Project Boundary
- Fluvial Erosion
- Mass Wasting Erosion
- Deciduous Forest
- Developed, High Intensity
- Developed, Low Intensity
- Developed, Open Space
- Emergent Herbaceous Wetlands
- Grassland/Herbaceous
- Mixed Forest
- Open Water
- Shrub/Scrub
- Woody Wetlands

N

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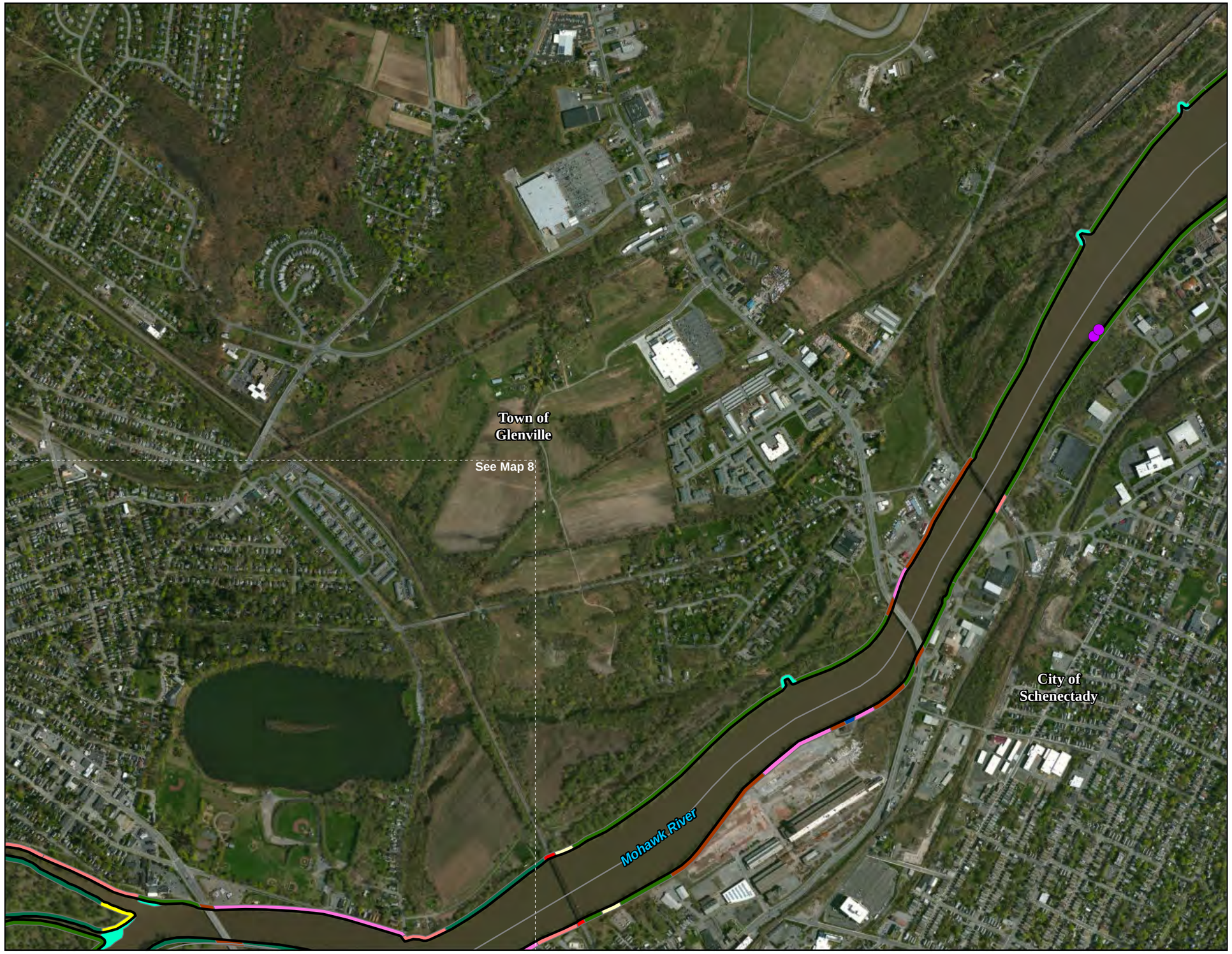
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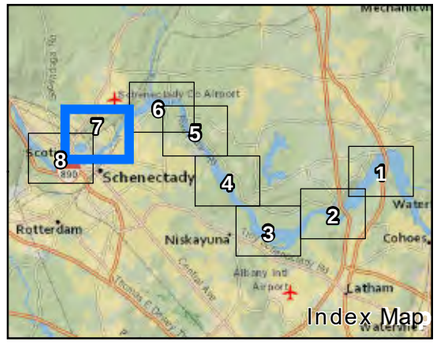
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Crescent and Vischer Ferry
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Figure 3.2-1
Land Use/Land Cover
and Shoreline Erosion Areas
Map 7

Legend

- Crescent Project Boundary
- Vischer Ferry Project Boundary
- Fluvial Erosion
- Deciduous Forest
- Developed, High Intensity
- Developed, Low Intensity
- Developed, Medium Intensity
- Developed, Open Space
- Emergent Herbaceous Wetlands
- Grassland/Herbaceous
- Open Water
- Shrub/Scrub
- Woody Wetlands

N

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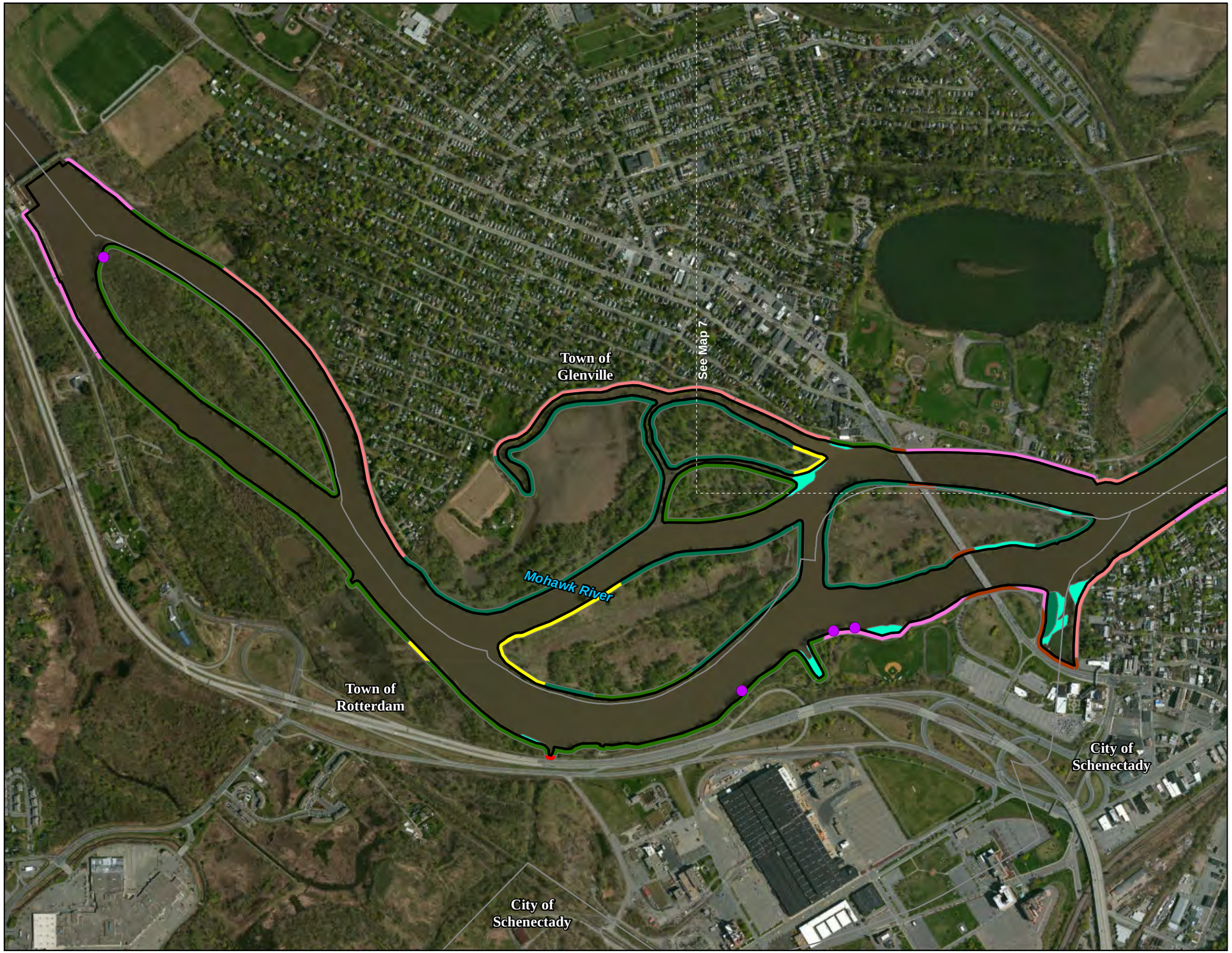
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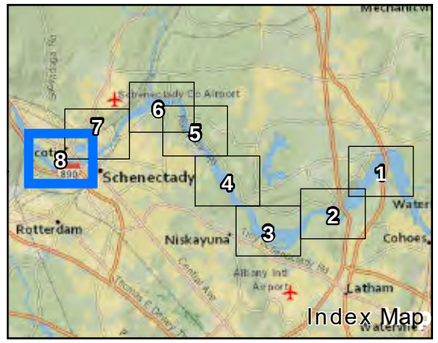
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FERC No. P-4678 and P-4679

Figure 3.2-1
Land Use/Land Cover
and Shoreline Erosion Areas
Map 8

Legend

- Crescent Project Boundary
- Vischer Ferry Project Boundary
- Fluvial Erosion
- Deciduous Forest
- Developed, High Intensity
- Developed, Low Intensity
- Developed, Medium Intensity
- Developed, Open Space
- Emergent Herbaceous Wetlands
- Grassland/Herbaceous
- Woody Wetlands

N

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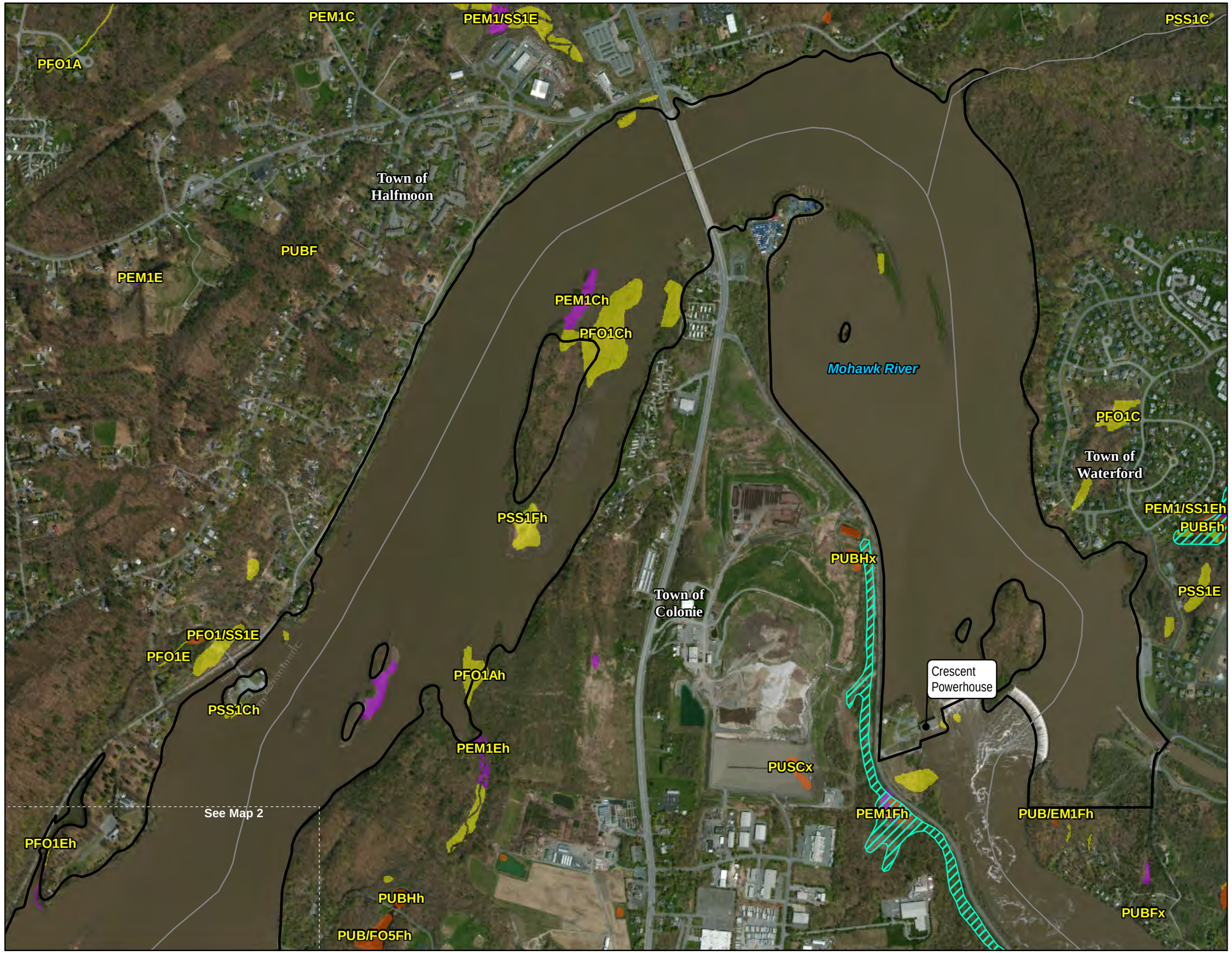
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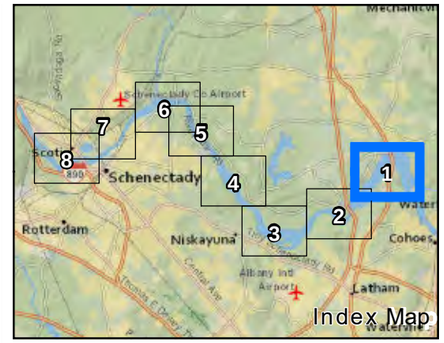
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Figure 3.3-1:
NWI and NYSDEC Wetlands
Map 1

Legend

- Project Boundary
- NYSDEC Freshwater Wetlands

NWI Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

N

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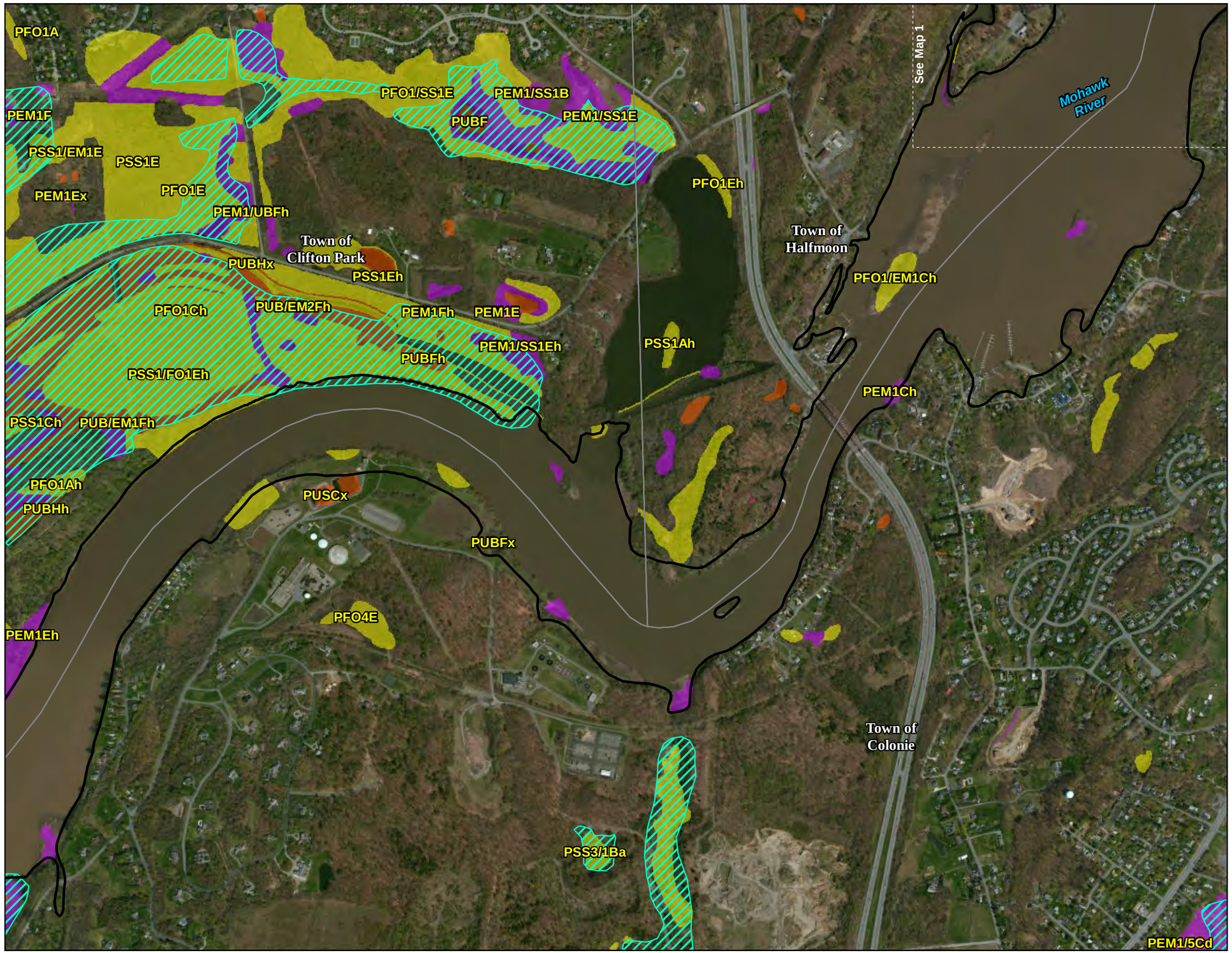
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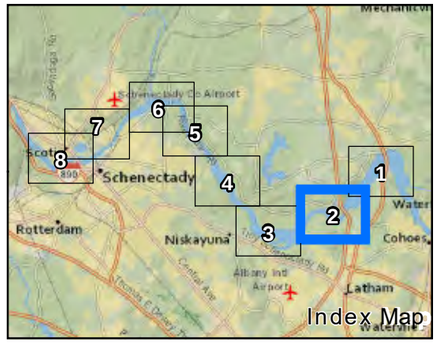
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Figure 3.3-1:
NWI and NYSDEC Wetlands
Map 2

Legend

- Project Boundary
- NYSDEC Freshwater Wetlands

NWI Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

N

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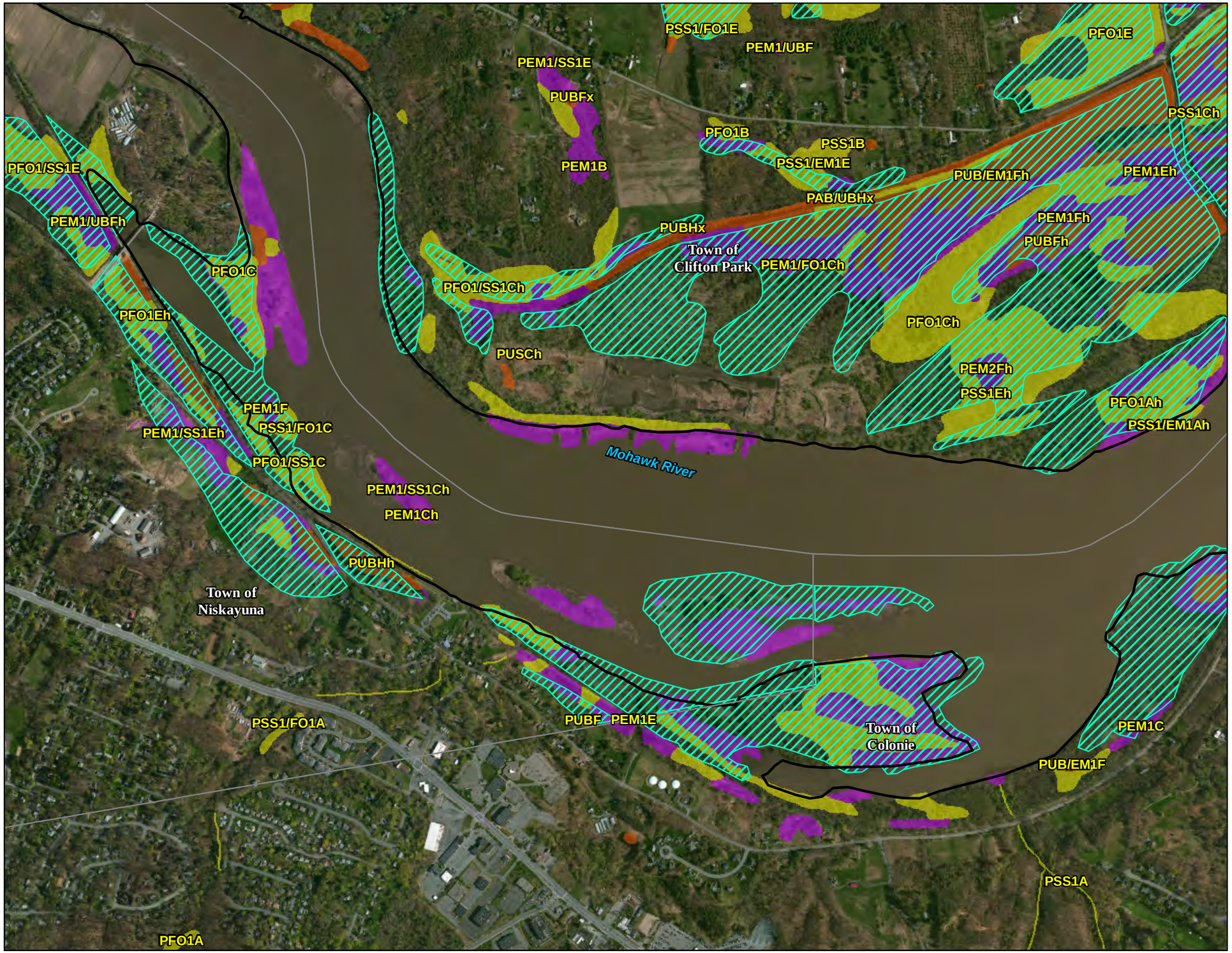
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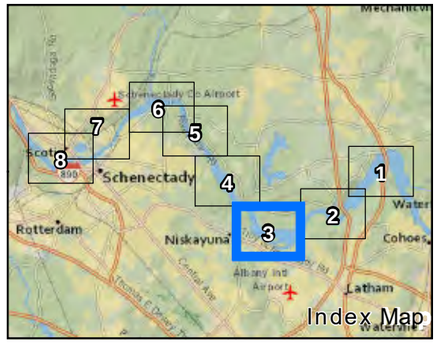
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Figure 3.3-1:
NWI and NYSDEC Wetlands
Map 3

Legend

- Project Boundary
- NYSDEC Freshwater Wetlands

NWI Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

N

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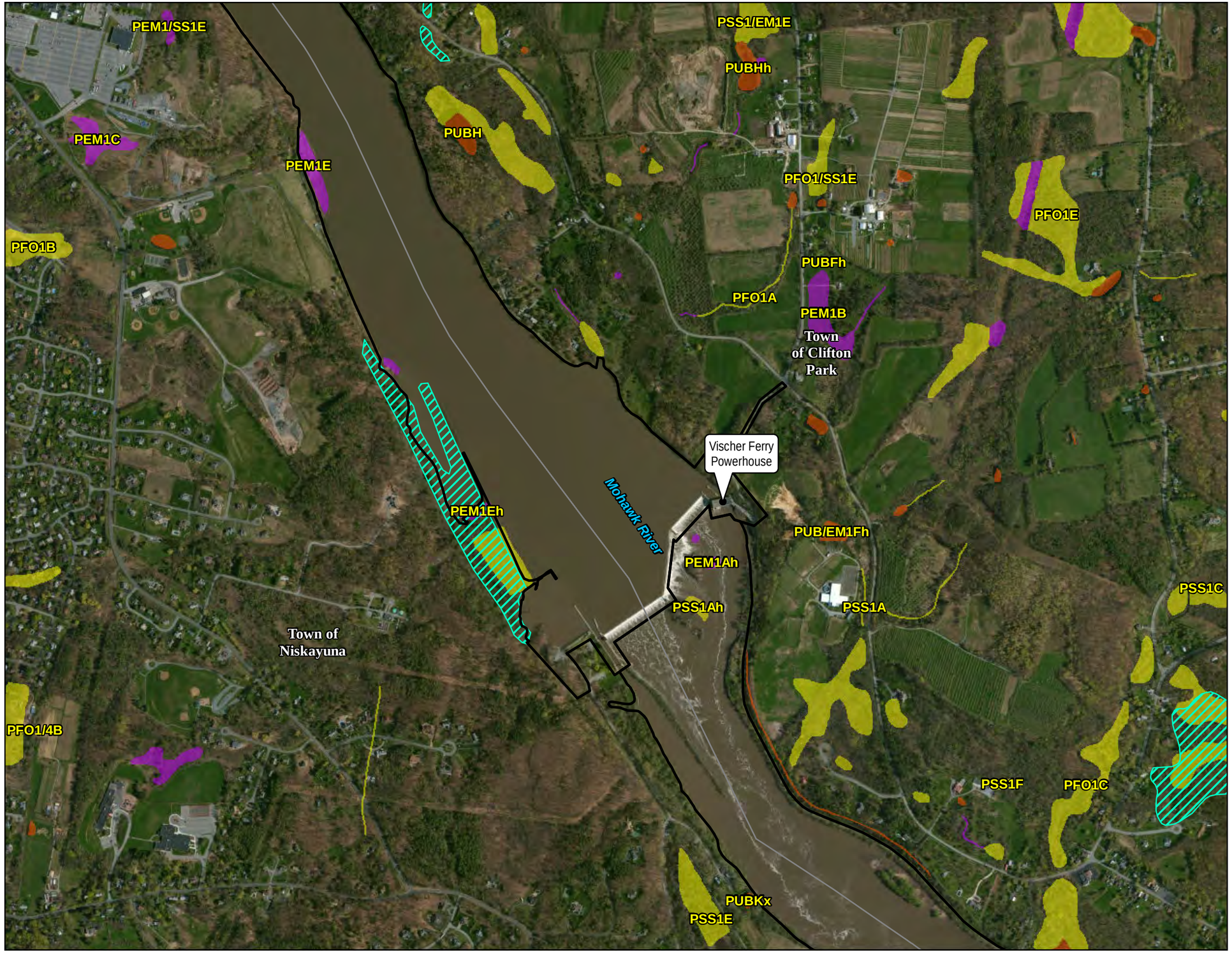
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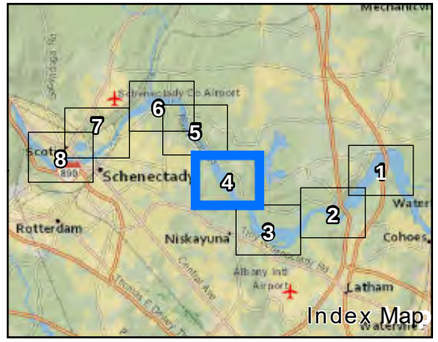
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Figure 3.3-1:
NWI and NYSDEC Wetlands
Map 4

Legend

- Project Boundary
- NYSDEC Freshwater Wetlands

NWI Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

N

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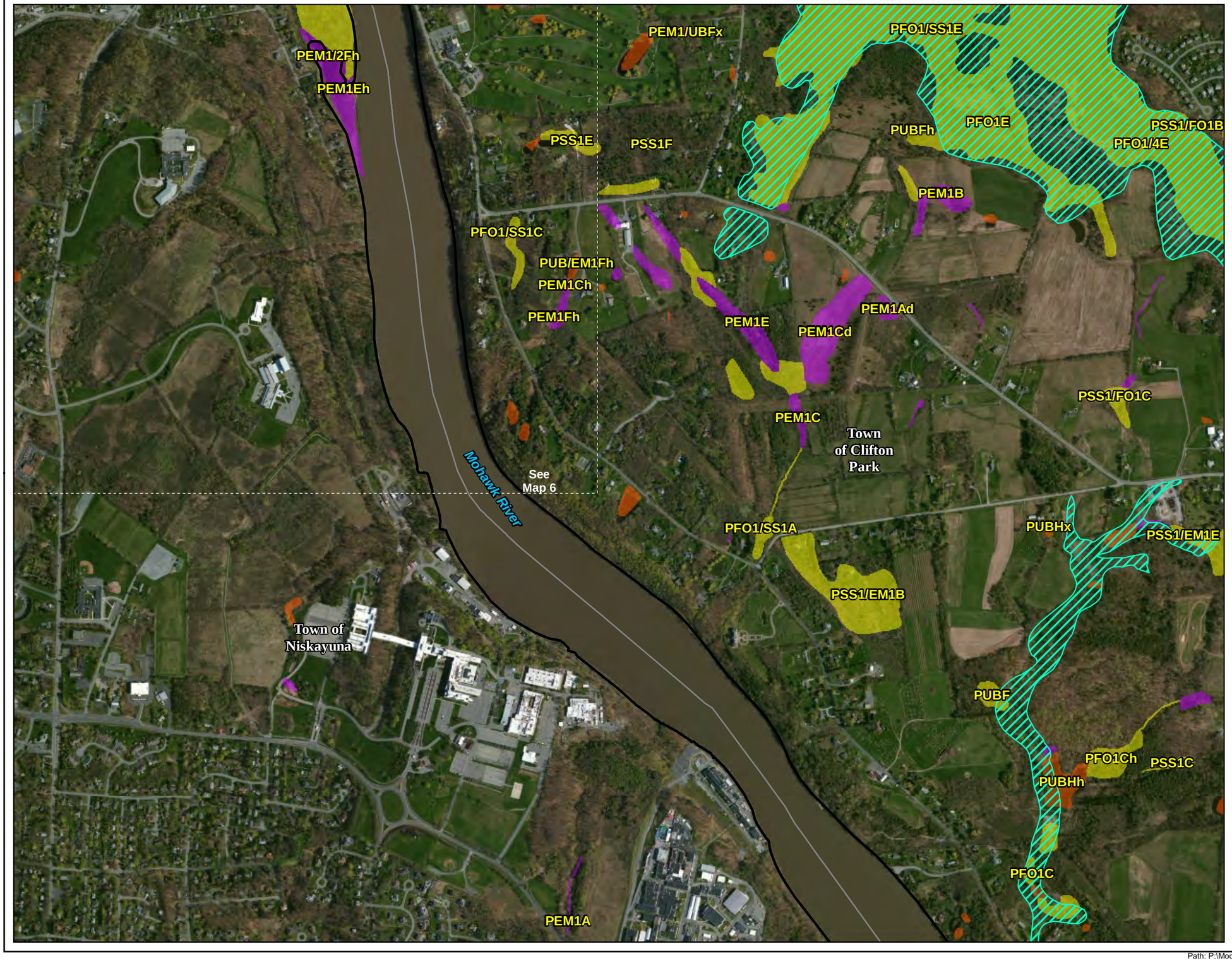
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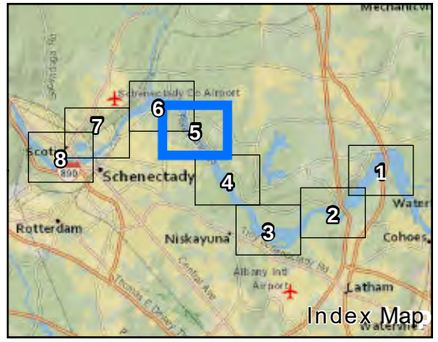
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Figure 3.3-1:
NWI and NYSDEC Wetlands
Map 5

Legend

- Project Boundary
- NYSDEC Freshwater Wetlands

NWI Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

N

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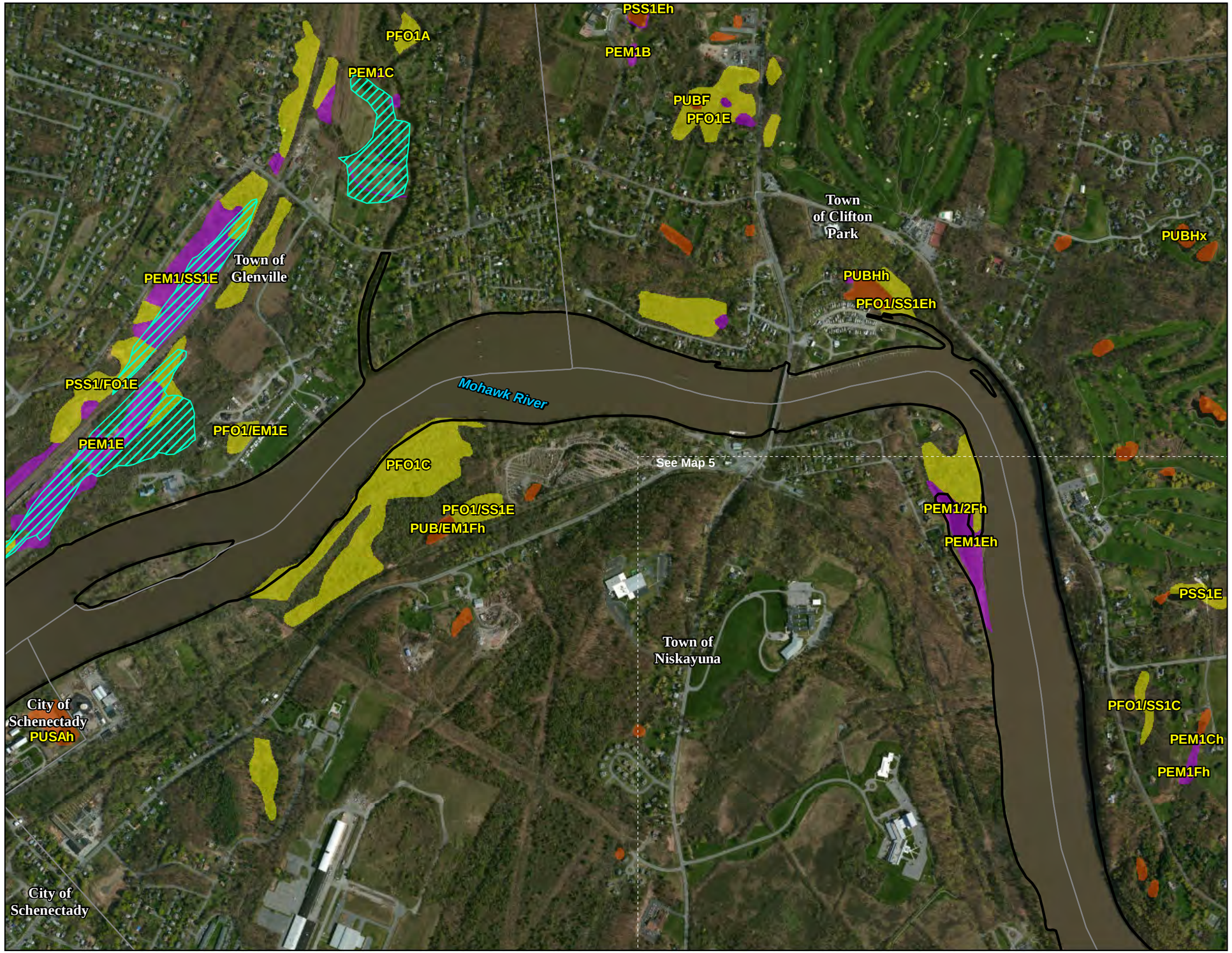
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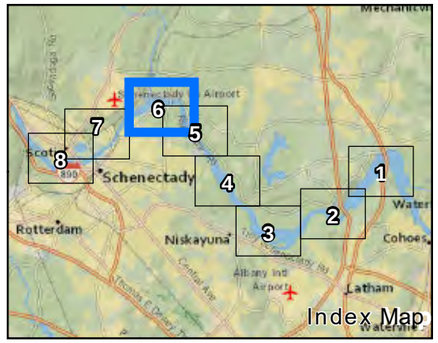
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Figure 3.3-1:
NWI and NYSDEC Wetlands
Map 6

Legend

- Project Boundary
- NYSDEC Freshwater Wetlands

NWI Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

N

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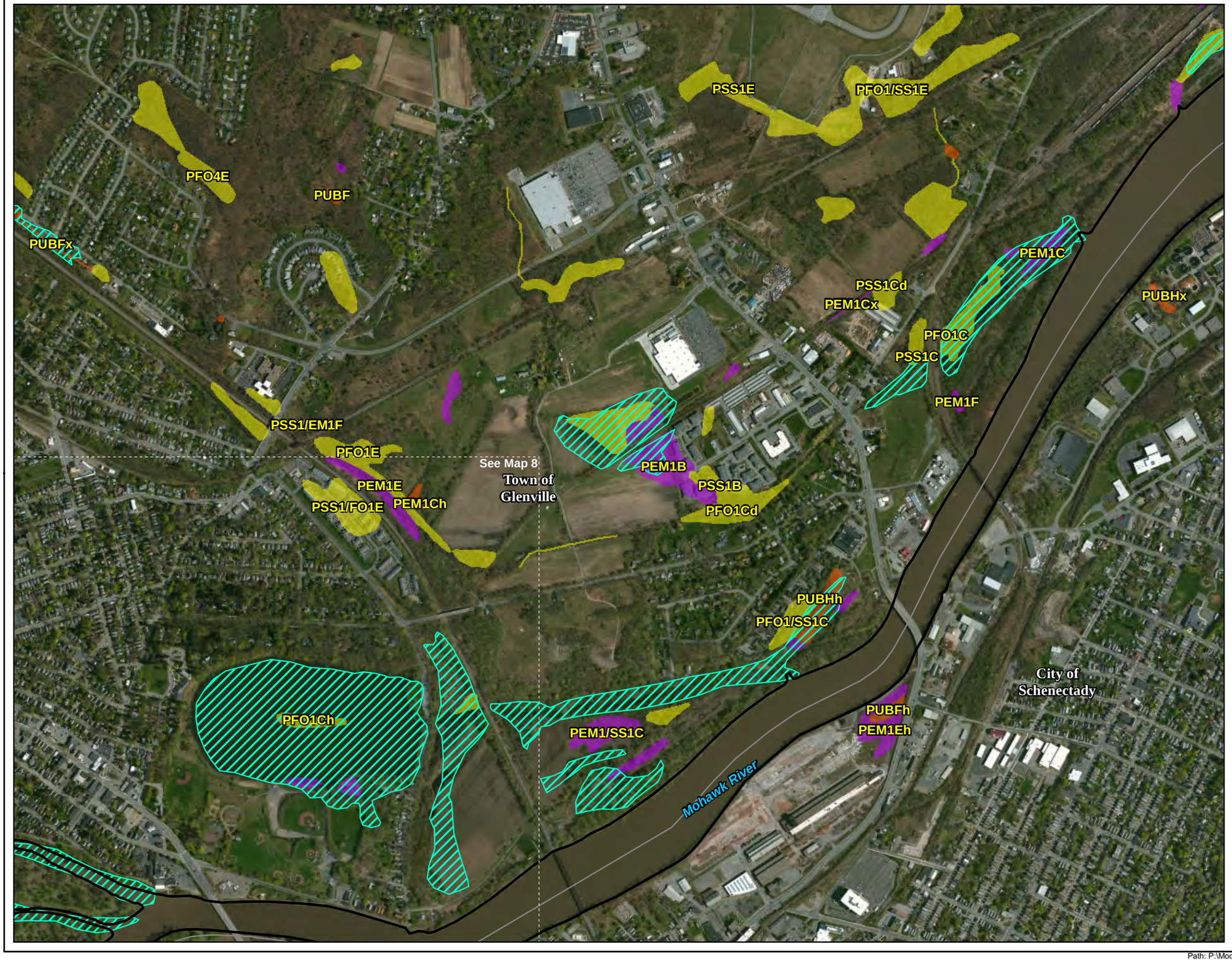
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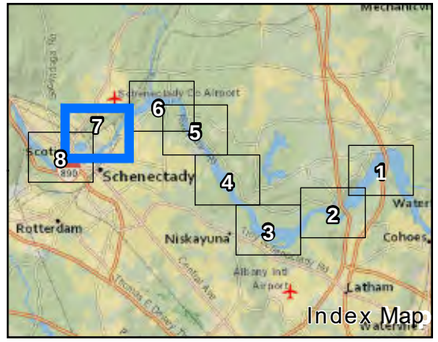
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Figure 3.3-1:
NWI and NYSDEC Wetlands
Map 7

Legend

- Project Boundary
- NYSDEC Freshwater Wetlands

NWI Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

N

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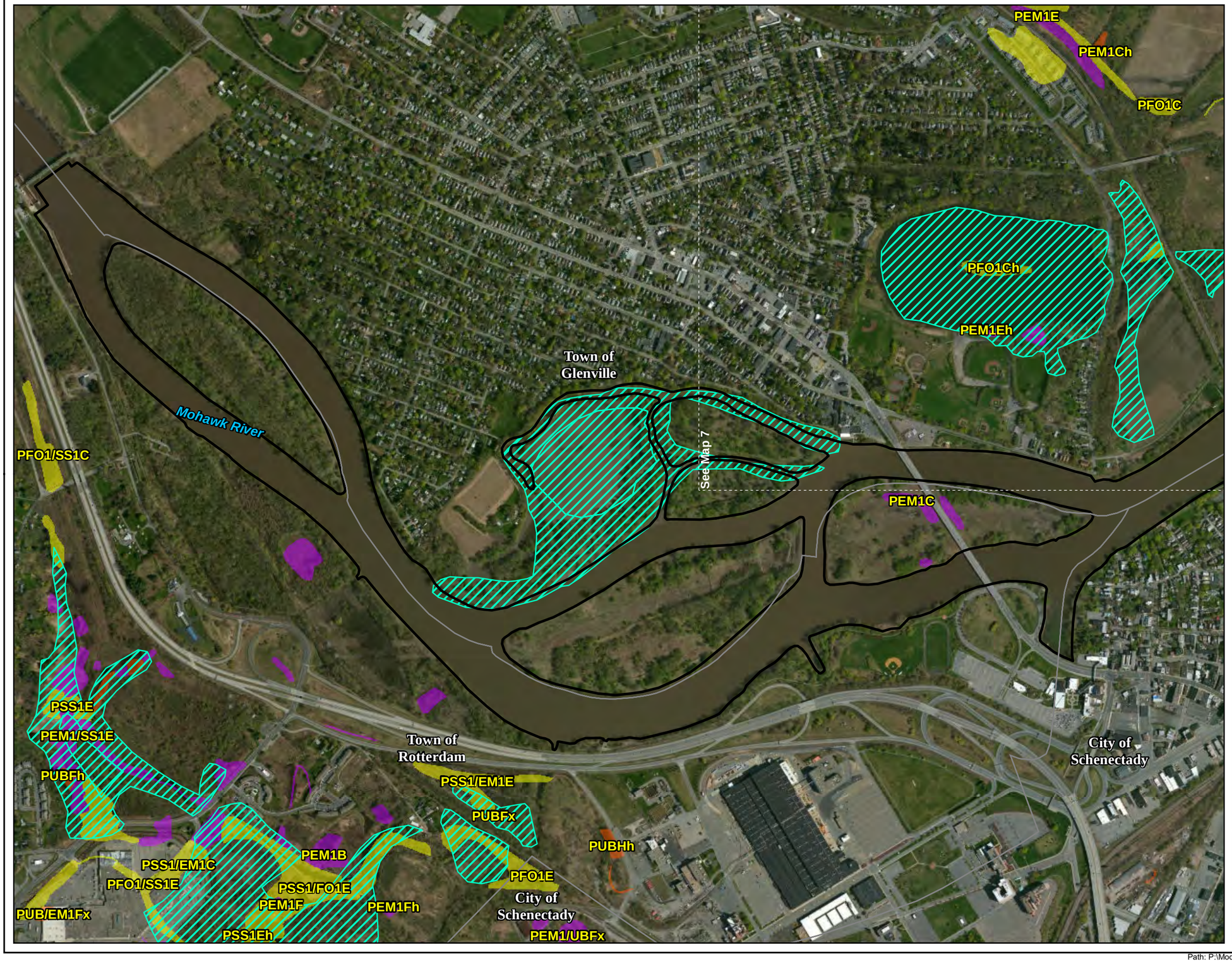
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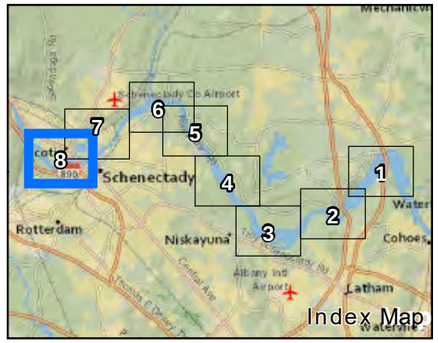
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Figure 3.3-1:
NWI and NYSDEC Wetlands
Map 8

Legend

- Project Boundary
- NYSDEC Freshwater Wetlands

NWI Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

N

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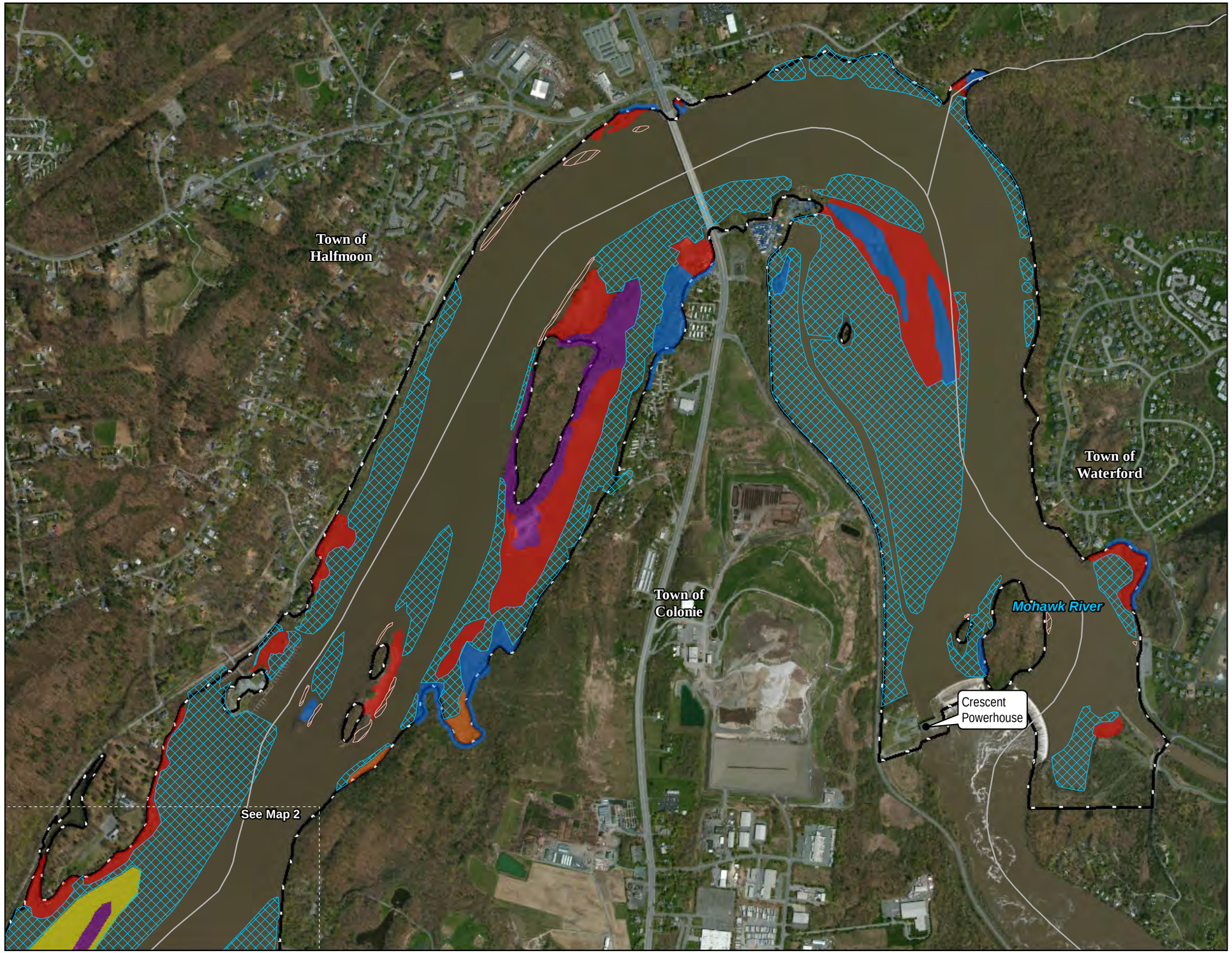
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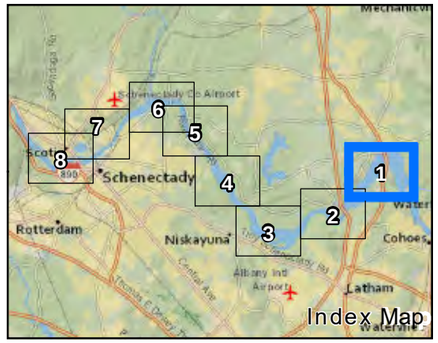
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Crescent and Vischer Ferry
Projects Relicensing
FERC No. P-4678 and P-4679

Figure 3.3-2:
Aquatic Vegetation Beds and
Field Mapped Wetlands
Map 1

Legend

- Crescent Project Boundary
- Vischer Ferry Project Boundary
- Floating Aquatic Bed
- Submerged Aquatic Bed
- PEM1;Emergent Persistent Wetlands
- PEM2;Emergent Nonpersistent Wetlands
- PEM5;Emergent Phragmites
- PFO1;Forested Wetlands
- PSS1;Scrub/Shrub Wetlands

N

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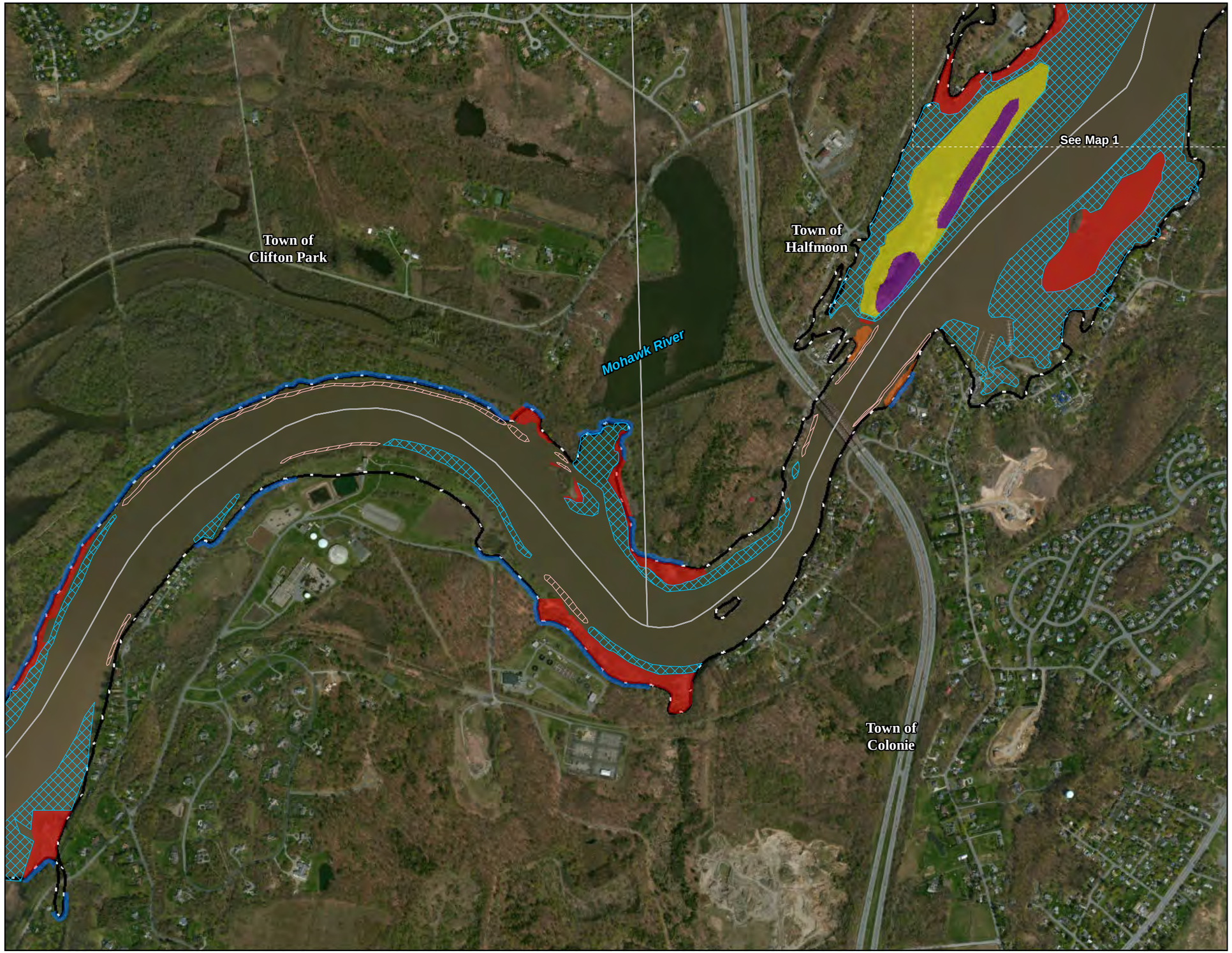
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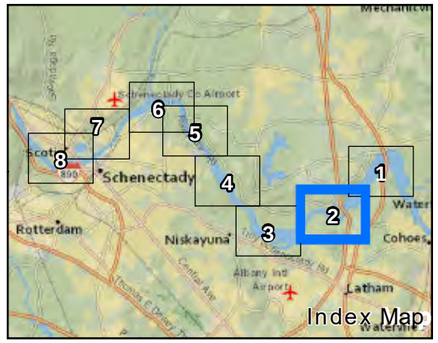
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Crescent and Vischer Ferry
Projects Relicensing
FERC No. P-4678 and P-4679

Figure 3.3-2:
Aquatic Vegetation Beds and
Field Mapped Wetlands
Map 2

Legend

- Crescent Project Boundary
- Vischer Ferry Project Boundary
- Floating Aquatic Bed
- Submerged Aquatic Bed
- PEM1;Emergent Persistent Wetlands
- PEM2;Emergent Nonpersistent Wetlands
- PEM5;Emergent Phragmites
- PFO1;Forested Wetlands
- PSS1;Scrub/Shrub Wetlands

N

Service Layer Credits: National Geographic, Esri, Garmin, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P Corp.
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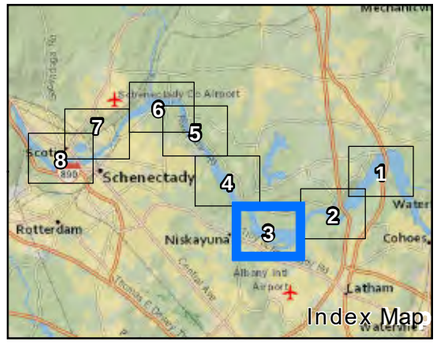
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Town of Clifton Park

Mohawk River

Town of Niskayuna

Town of Colonie



Crescent and Vischer Ferry
Projects Relicensing
FERC No. P-4678 and P-4679

Figure 3.3-2:
Aquatic Vegetation Beds and
Field Mapped Wetlands
Map 3

Legend

- Crescent Project Boundary
- Vischer Ferry Project Boundary
- Floating Aquatic Bed
- Submerged Aquatic Bed
- PEM1;Emergent Persistent Wetlands
- PEM2;Emergent Nonpersistent Wetlands
- PEM5;Emergent Phragmites
- PFO1;Forested Wetlands
- PSS1;Scrub/Shrub Wetlands

N

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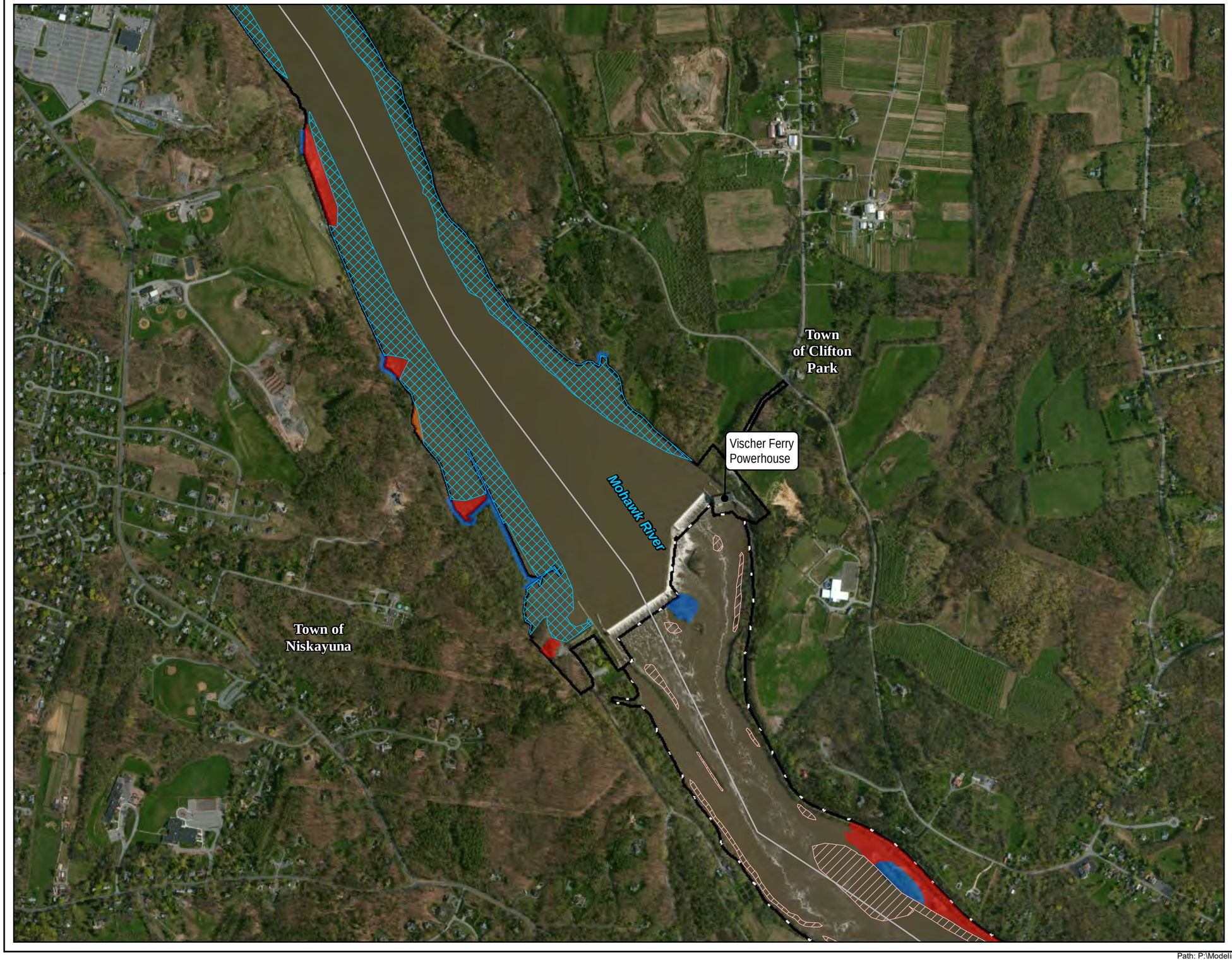
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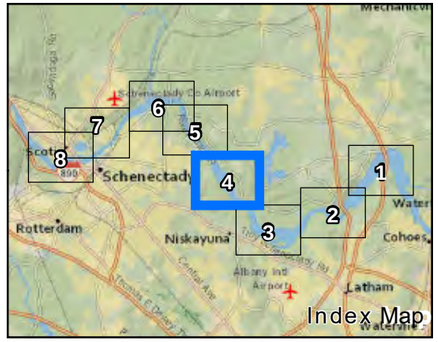
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Crescent and Vischer Ferry
Projects Relicensing
FERC No. P-4678 and P-4679

Figure 3.3-2:
Aquatic Vegetation Beds and
Field Mapped Wetlands
Map 4

Legend

- Crescent Project Boundary
- Vischer Ferry Project Boundary
- Floating Aquatic Bed
- Submerged Aquatic Bed
- PEM1;Emergent Persistent Wetlands
- PEM2;Emergent Nonpersistent Wetlands
- PEM5;Emergent Phragmites
- PFO1;Forested Wetlands
- PSS1;Scrub/Shrub Wetlands

N

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0 500 1,000 2,000 Feet

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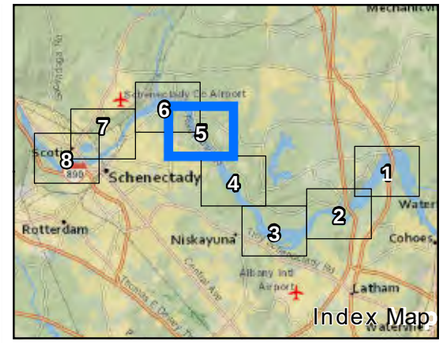
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Mohawk River

See Map 6

Town of Clifton Park

Town of Niskayuna



Crescent and Vischer Ferry
Projects Relicensing
FERC No. P-4678 and P-4679

Figure 3.3-2:
Aquatic Vegetation Beds and
Field Mapped Wetlands
Map 5

Legend

- Crescent Project Boundary
- Vischer Ferry Project Boundary
- Floating Aquatic Bed
- Submerged Aquatic Bed
- PEM1;Emergent Persistent Wetlands
- PEM2;Emergent Nonpersistent Wetlands
- PEM5;Emergent Phragmites
- PFO1;Forested Wetlands
- PSS1;Scrub/Shrub Wetlands

N

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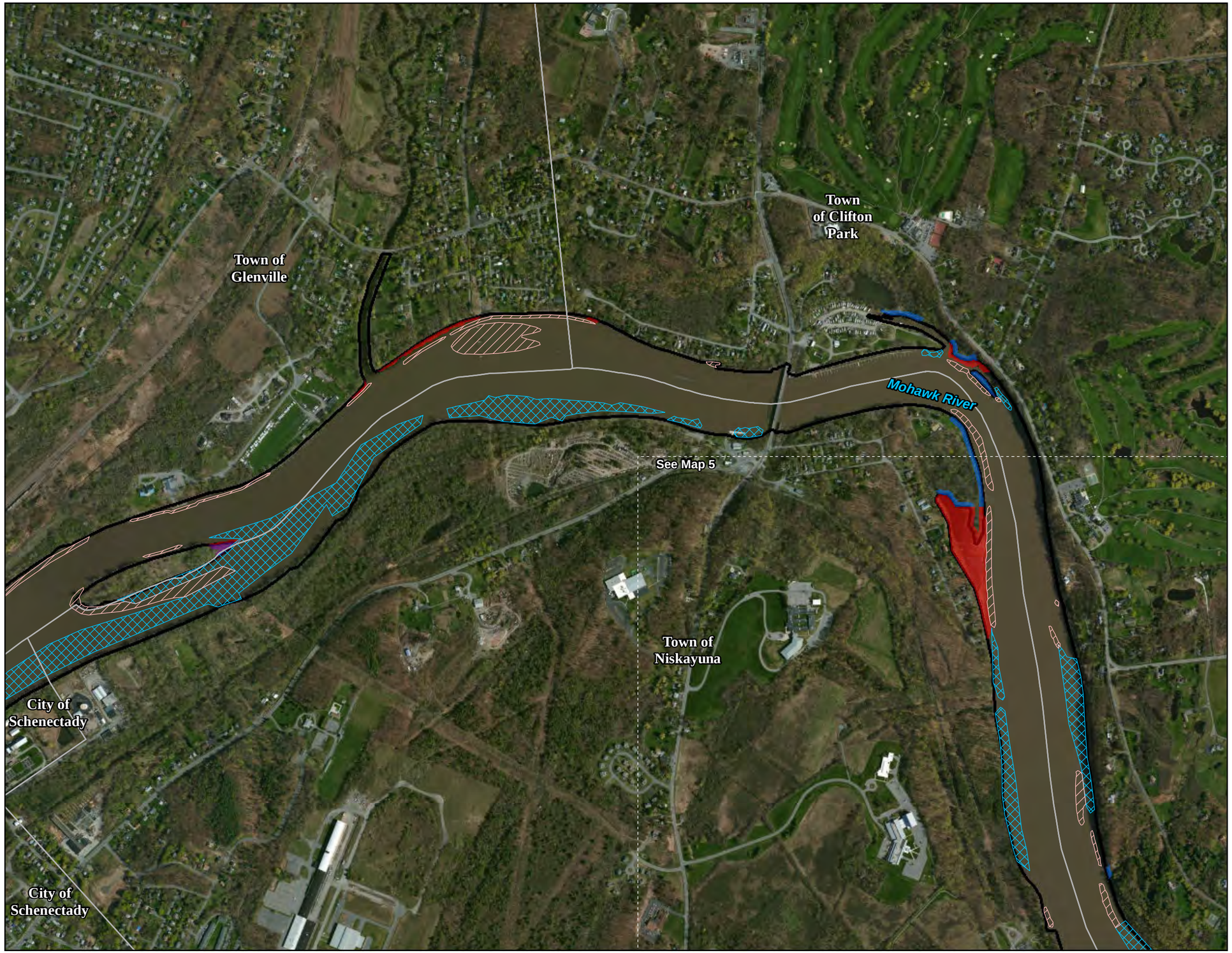
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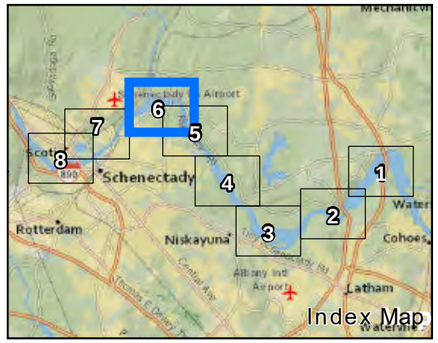
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Crescent and Vischer Ferry
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FERC No. P-4678 and P-4679

Figure 3.3-2:
Aquatic Vegetation Beds and
Field Mapped Wetlands
Map 6

Legend

- Crescent Project Boundary
- Vischer Ferry Project Boundary
- Floating Aquatic Bed
- Submerged Aquatic Bed
- PEM1;Emergent Persistent Wetlands
- PEM2;Emergent Nonpersistent Wetlands
- PEM5;Emergent Phragmites
- PFO1;Forested Wetlands
- PSS1;Scrub/Shrub Wetlands

N

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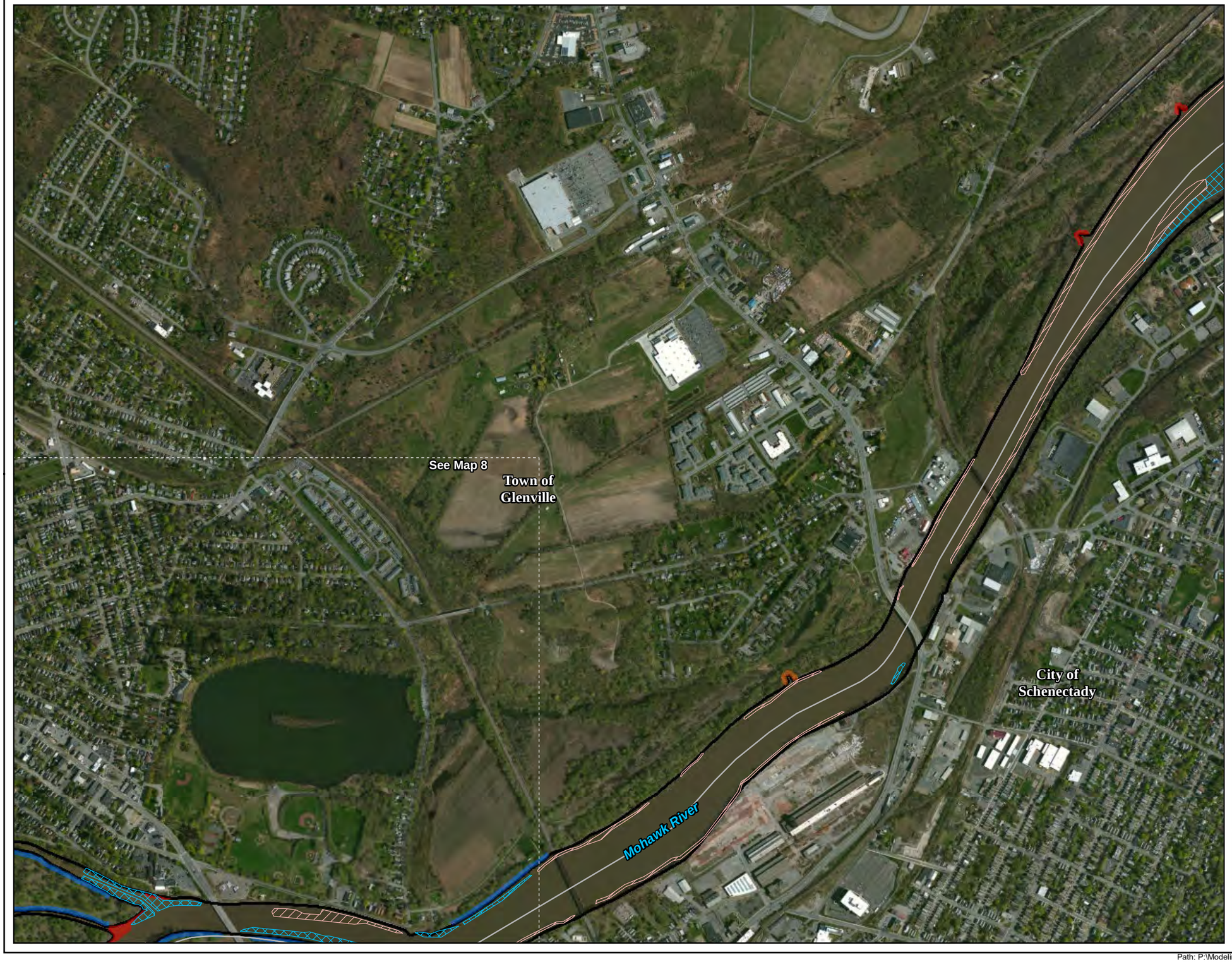
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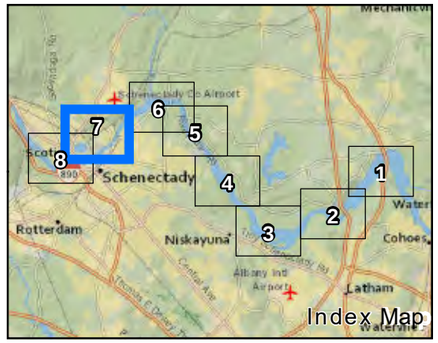
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Crescent and Vischer Ferry
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FERC No. P-4678 and P-4679

Figure 3.3-2:
Aquatic Vegetation Beds and
Field Mapped Wetlands
Map 7

Legend

- Crescent Project Boundary
- Vischer Ferry Project Boundary
- Floating Aquatic Bed
- Submerged Aquatic Bed
- PEM1;Emergent Persistent Wetlands
- PEM2;Emergent Nonpersistent Wetlands
- PEM5;Emergent Phragmites
- PFO1;Forested Wetlands
- PSS1;Scrub/Shrub Wetlands

N

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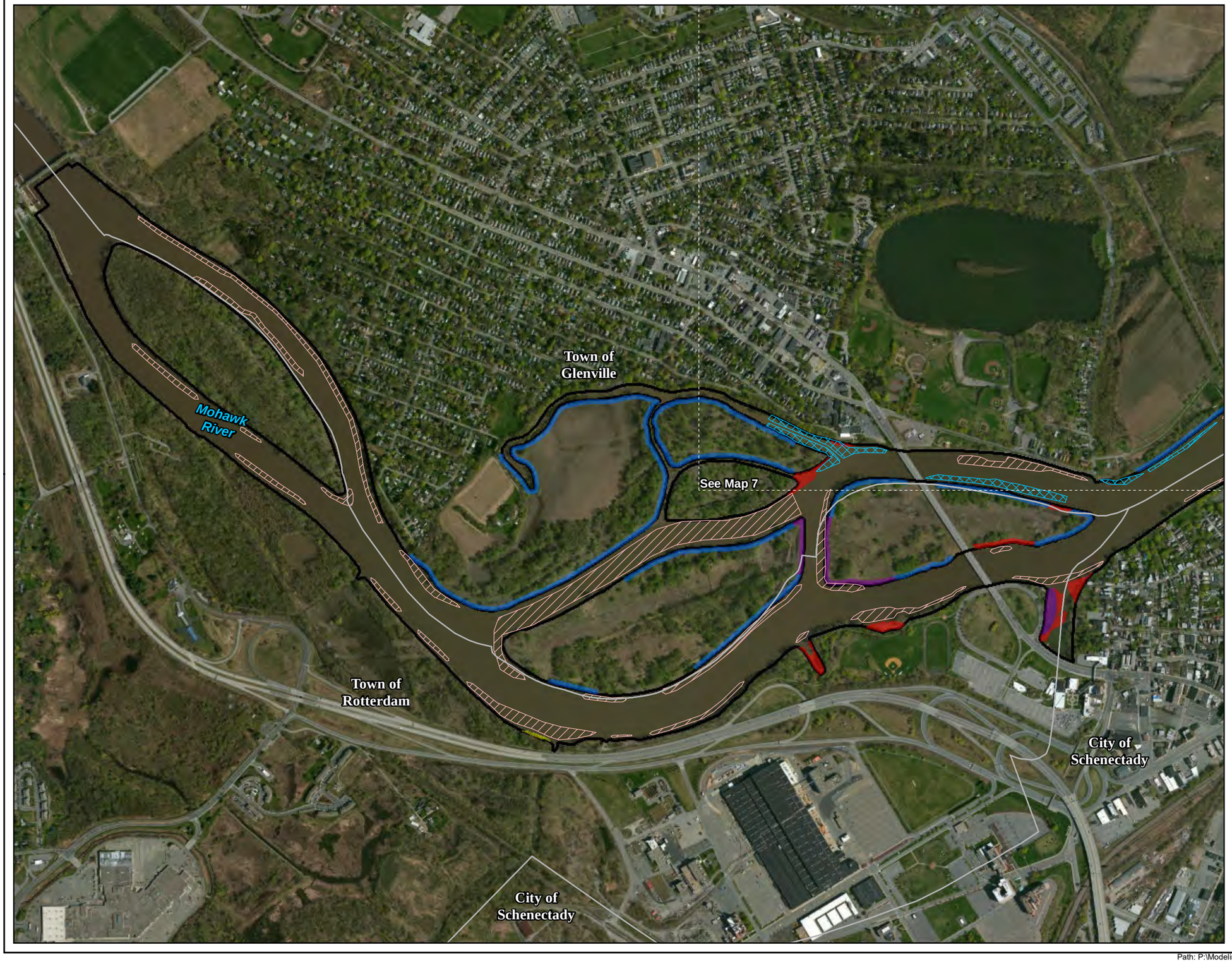
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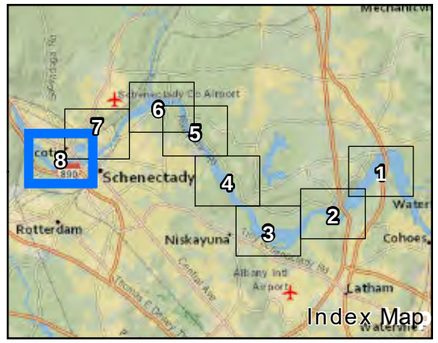
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Crescent and Vischer Ferry
Projects Relicensing
FERC No. P-4678 and P-4679

Figure 3.3-2:
Aquatic Vegetation Beds and
Field Mapped Wetlands
Map 8

Legend

- Crescent Project Boundary
- Vischer Ferry Project Boundary
- Floating Aquatic Bed
- Submerged Aquatic Bed
- PEM1;Emergent Persistent Wetlands
- PEM2;Emergent Nonpersistent Wetlands
- PEM5;Emergent Phragmites
- PFO1;Forested Wetlands
- PSS1;Scrub/Shrub Wetlands

N

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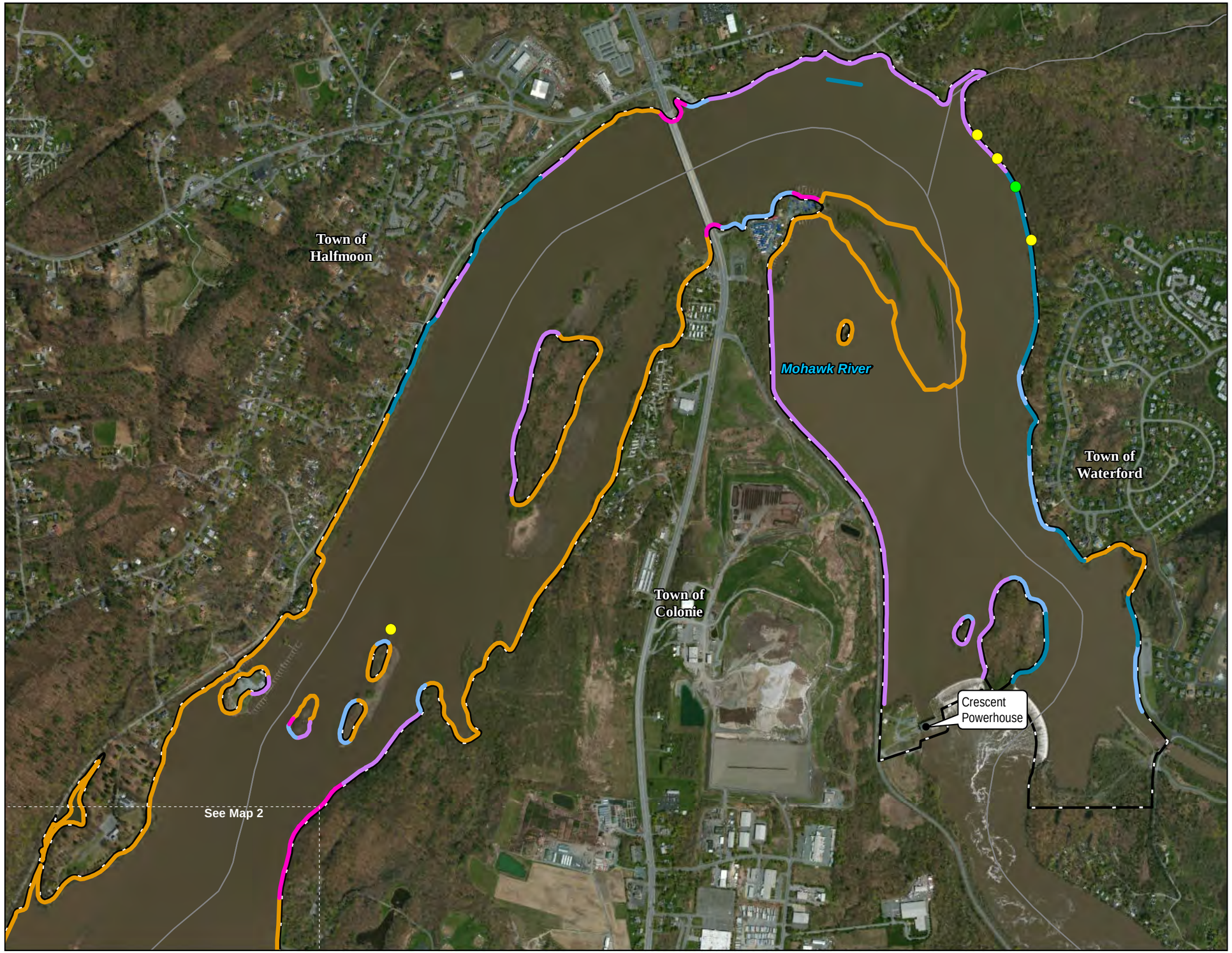
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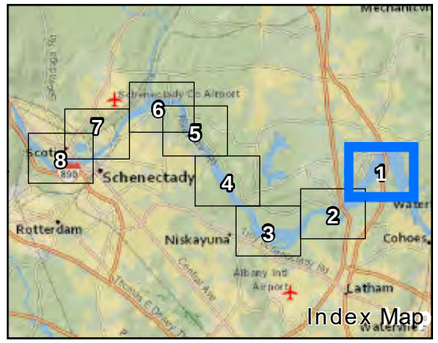
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Crescent and Vischer Ferry
Projects Relicensing
FERC No. P-4678 and P-4679

Figure 3.6-1:
Littoral Zone Substrate and
Freshwater Mussel Observations
Map 1

Legend

Crescent Project Boundary
Vischer Ferry Project Boundary

Mussel Observation

Live Mussel
Relic Mussel Shell

Dominant Substrate

Boulder
Clay
Cobble
Gravel
Ledge
Sand
Silt

N

Service Layer Credits: National Geographic, Esri, Garmin, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P Corp.
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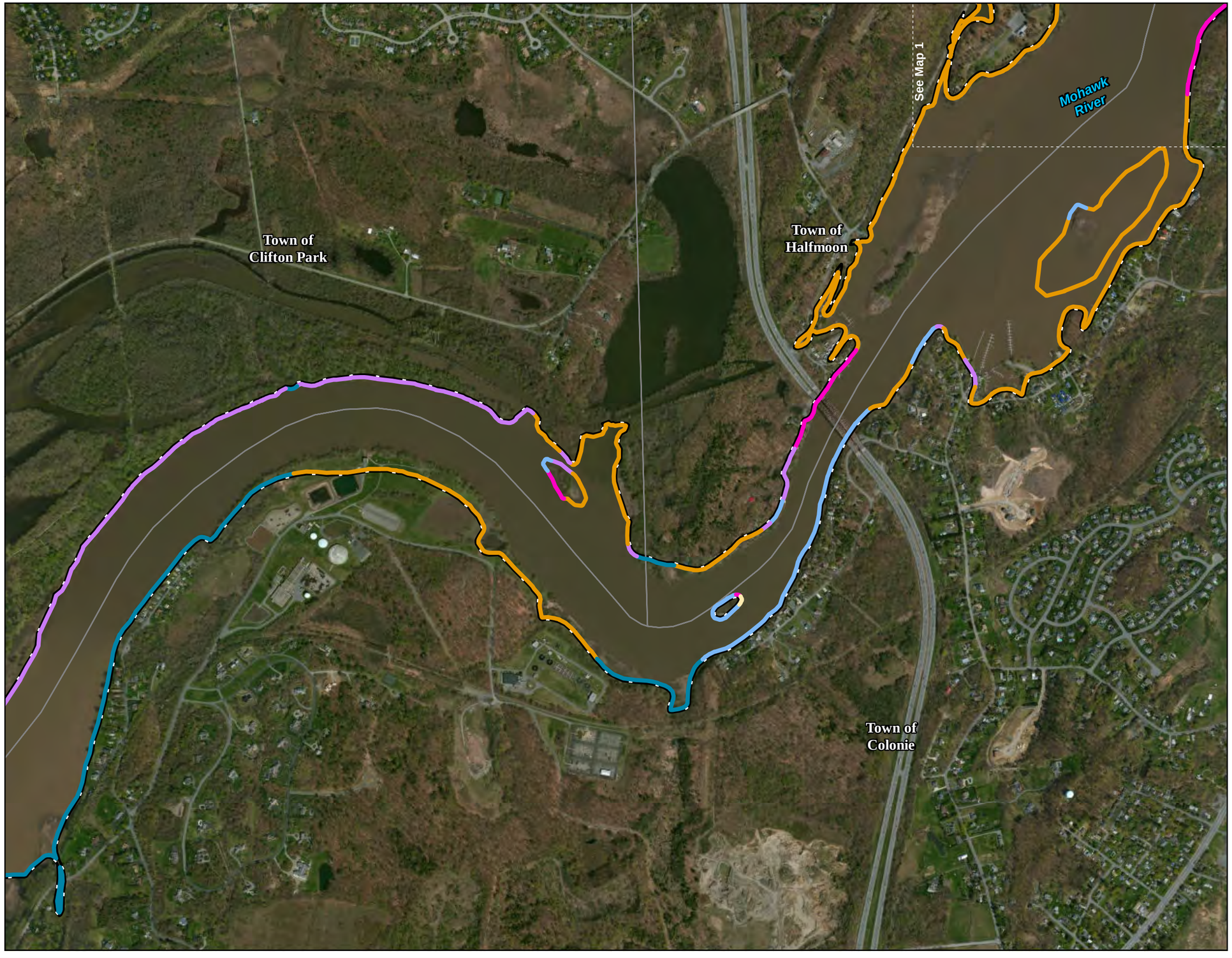
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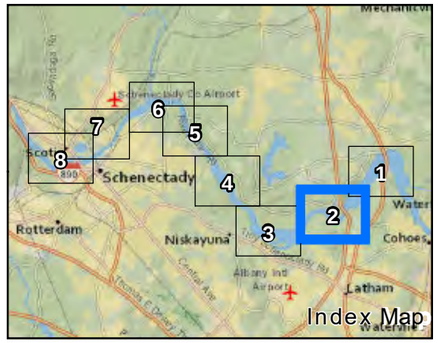
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Crescent and Vischer Ferry
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FERC No. P-4678 and P-4679

Figure 3.6-1:
Littoral Zone Substrate and
Freshwater Mussel Observations
Map 2

Legend

Crescent Project Boundary

Vischer Ferry Project Boundary

Mussel Observation

Live Mussel

Relic Mussel Shell

Dominant Substrate

Boulder

Clay

Cobble

Gravel

Ledge

Sand

Silt

N

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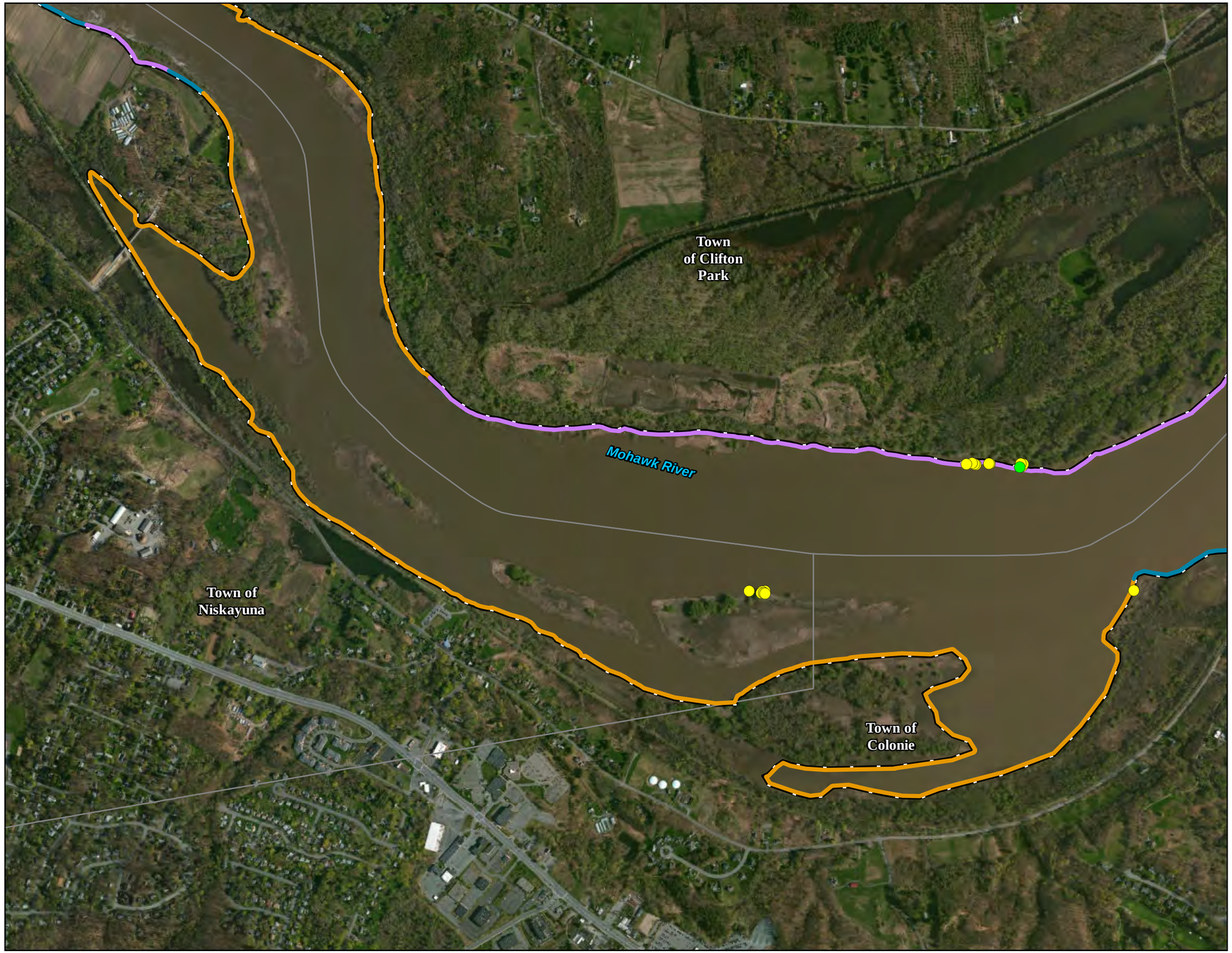
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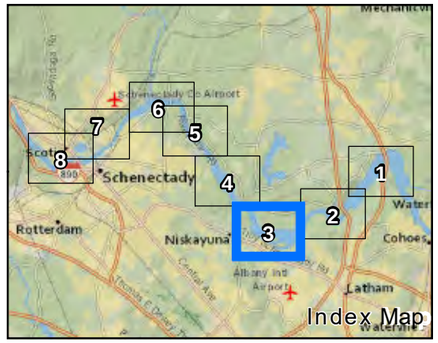
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Crescent and Vischer Ferry
Projects Relicensing
FERC No. P-4678 and P-4679

Figure 3.6-1:
Littoral Zone Substrate and
Freshwater Mussel Observations
Map 3

Legend

- Crescent Project Boundary
- Vischer Ferry Project Boundary

Mussel Observation

- Live Mussel
- Relic Mussel Shell

Dominant Substrate

- Boulder
- Clay
- Cobble
- Gravel
- Ledge
- Sand
- Silt

N

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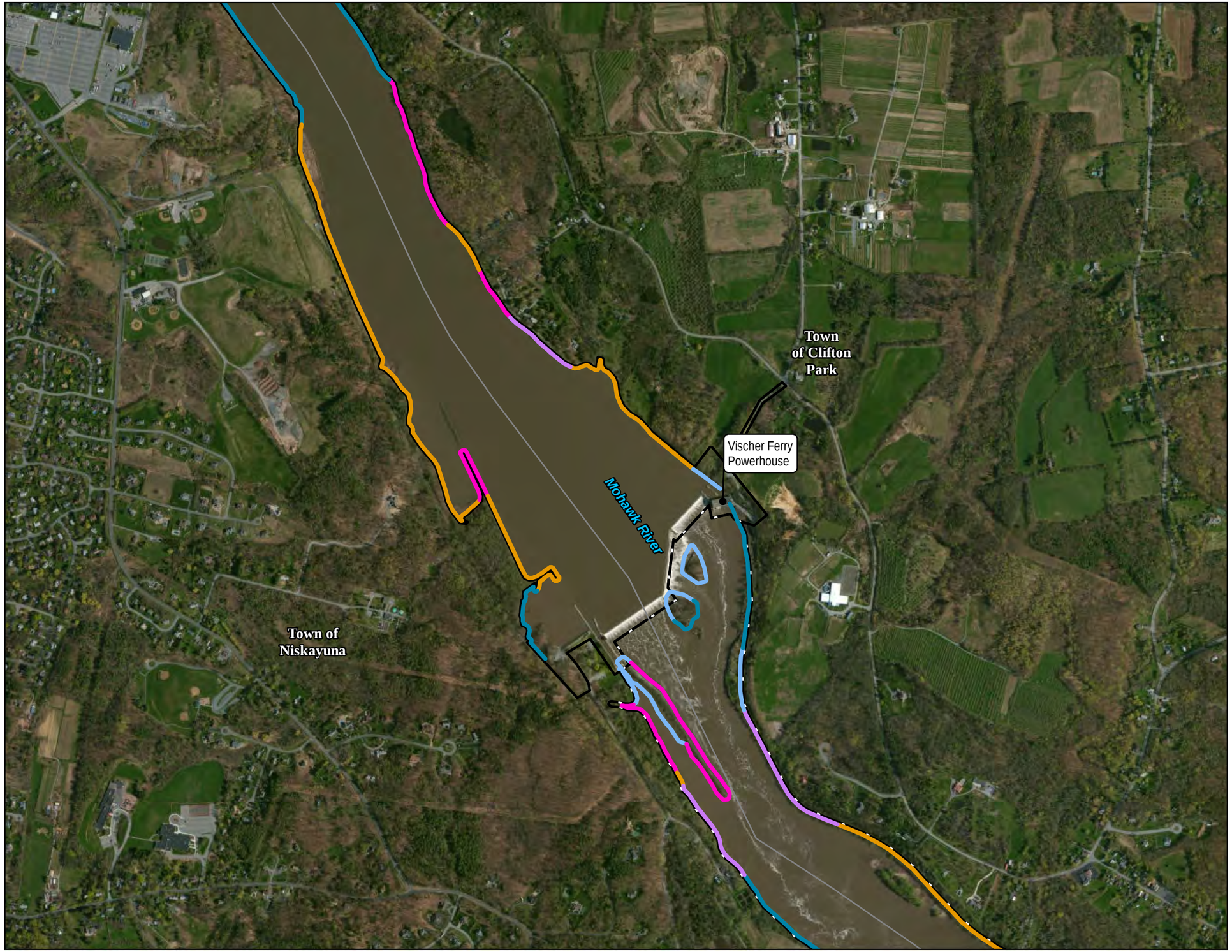
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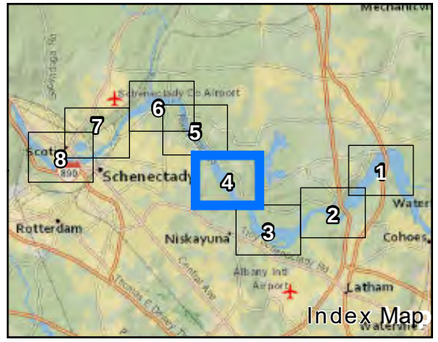
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Crescent and Vischer Ferry
Projects Relicensing
FERC No. P-4678 and P-4679

Figure 3.6-1:
Littoral Zone Substrate and
Freshwater Mussel Observations
Map 4

Legend

- Crescent Project Boundary
- Vischer Ferry Project Boundary

Mussel Observation

- Live Mussel
- Relic Mussel Shell

Dominant Substrate

- Boulder
- Clay
- Cobble
- Gravel
- Ledge
- Sand
- Silt

N

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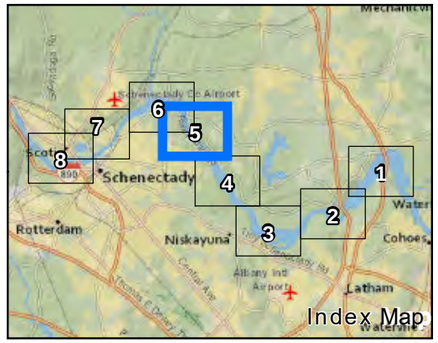
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Crescent and Vischer Ferry
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Figure 3.6-1:
Littoral Zone Substrate and
Freshwater Mussel Observations
Map 5

Legend

- Crescent Project Boundary
- Vischer Ferry Project Boundary

Mussel Observation

- Live Mussel
- Relic Mussel Shell

Dominant Substrate

- Boulder
- Clay
- Cobble
- Gravel
- Ledge
- Sand
- Silt

N

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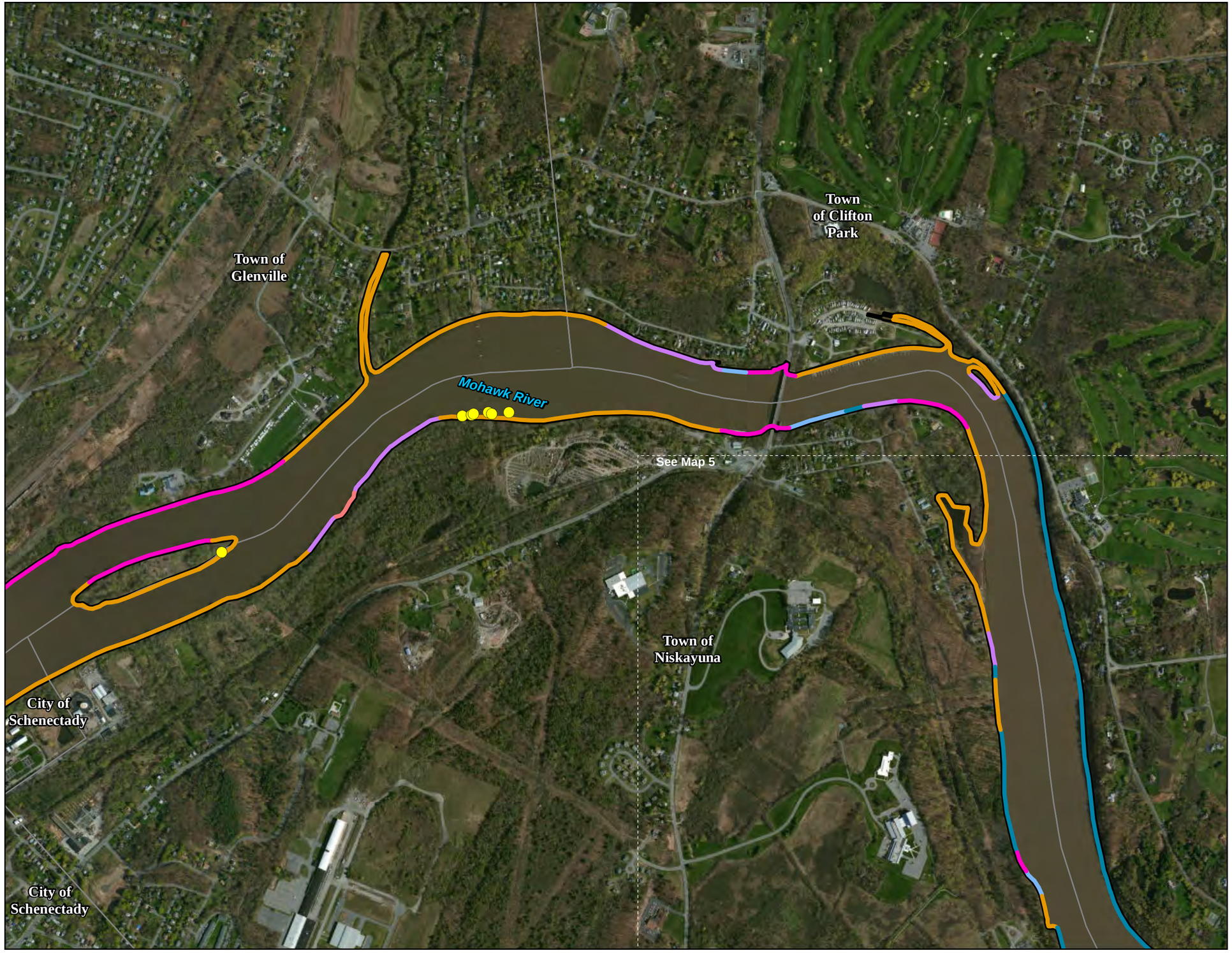
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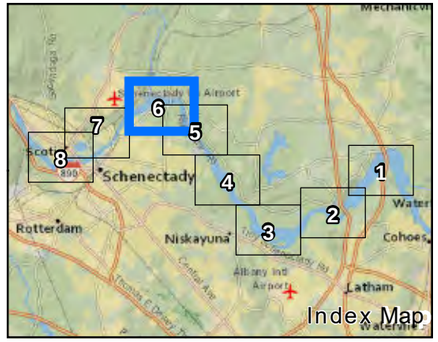
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Crescent and Vischer Ferry
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FERC No. P-4678 and P-4679

Figure 3.6-1:
Littoral Zone Substrate and
Freshwater Mussel Observations
Map 6

Legend

Crescent Project Boundary
Vischer Ferry Project Boundary

Mussel Observation

Live Mussel
Relic Mussel Shell

Dominant Substrate

Boulder
Clay
Cobble
Gravel
Ledge
Sand
Silt

N

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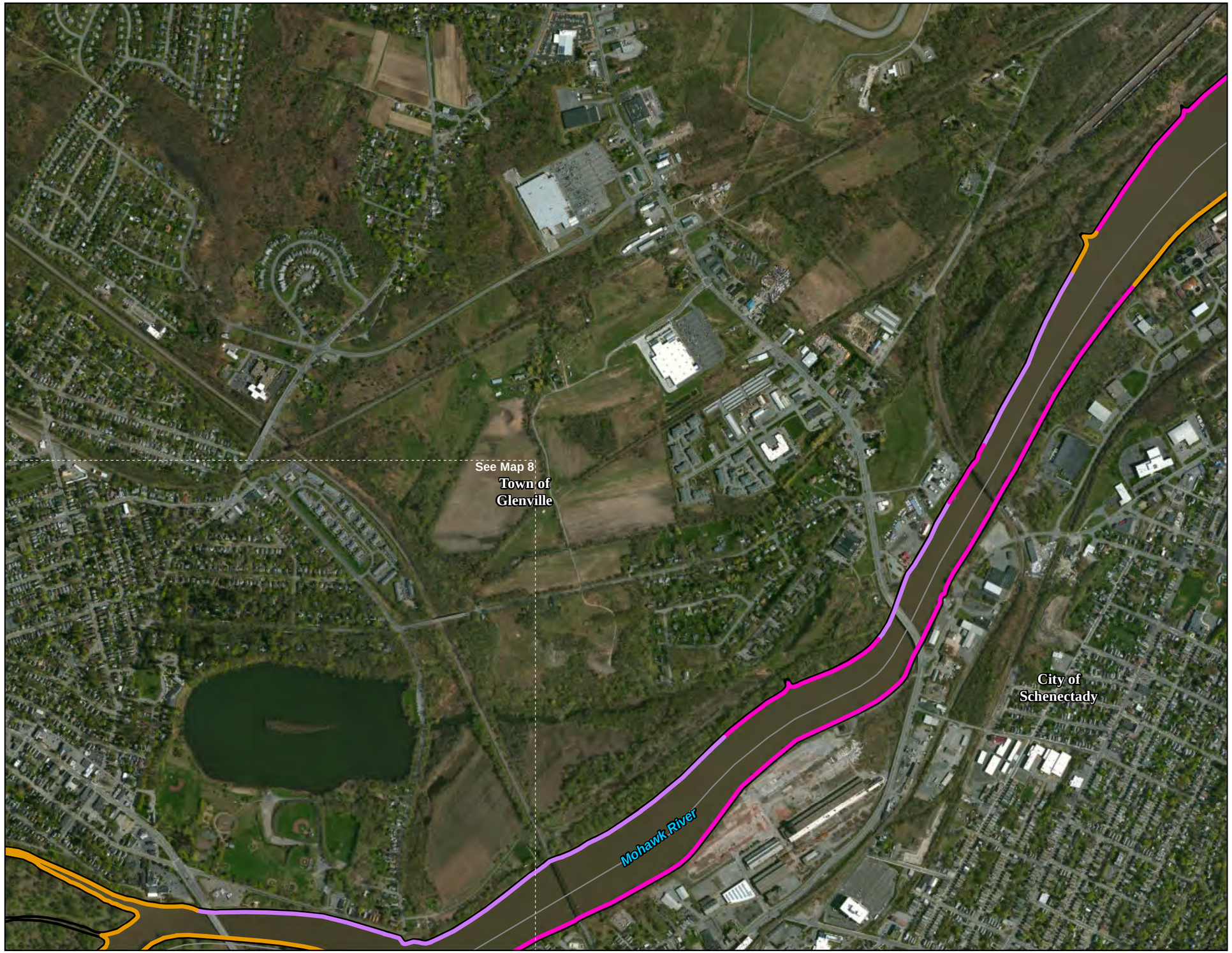
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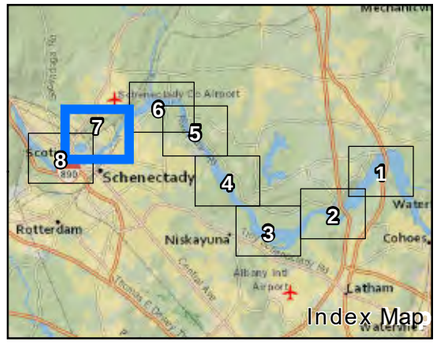
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Crescent and Vischer Ferry
Projects Relicensing
FERC No. P-4678 and P-4679

Figure 3.6-1:
Littoral Zone Substrate and
Freshwater Mussel Observations
Map 7

Legend

- Crescent Project Boundary
- Vischer Ferry Project Boundary

Mussel Observation

- Live Mussel
- Relic Mussel Shell

Dominant Substrate

- Boulder
- Clay
- Cobble
- Gravel
- Ledge
- Sand
- Silt

N

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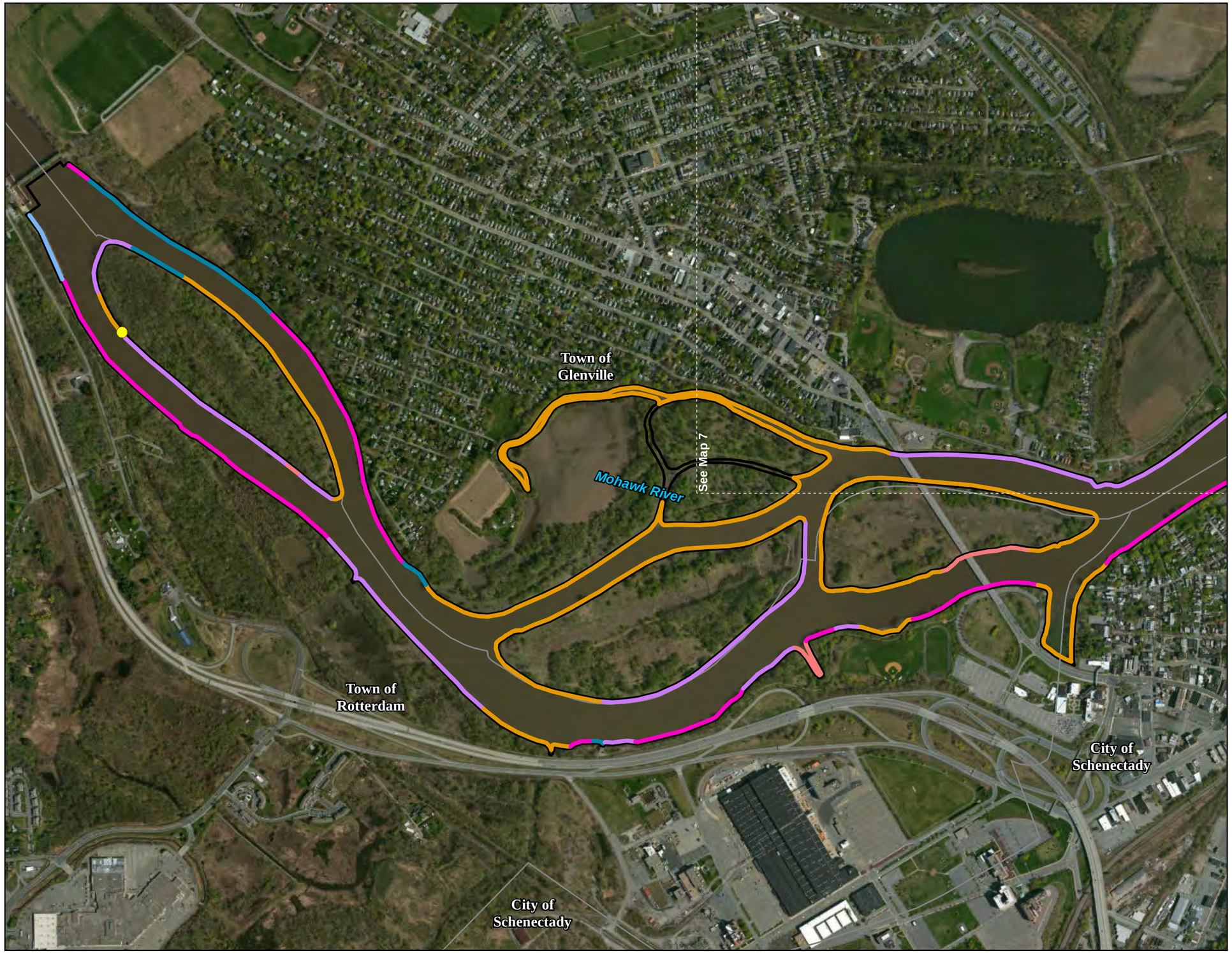
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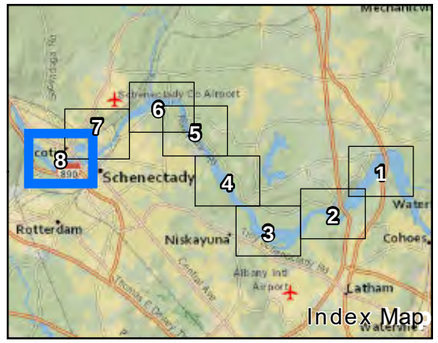
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Crescent and Vischer Ferry
Projects Relicensing
FERC No. P-4678 and P-4679

Figure 3.6-1:
Littoral Zone Substrate and
Freshwater Mussel Observations
Map 8

Legend

Crescent Project Boundary
Vischer Ferry Project Boundary

Mussel Observation

Live Mussel
Relic Mussel Shell

Dominant Substrate

Boulder
Clay
Cobble
Gravel
Ledge
Sand
Silt

N

Service Layer Credits: National Geographic, Esri, Garmin, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P Corp.
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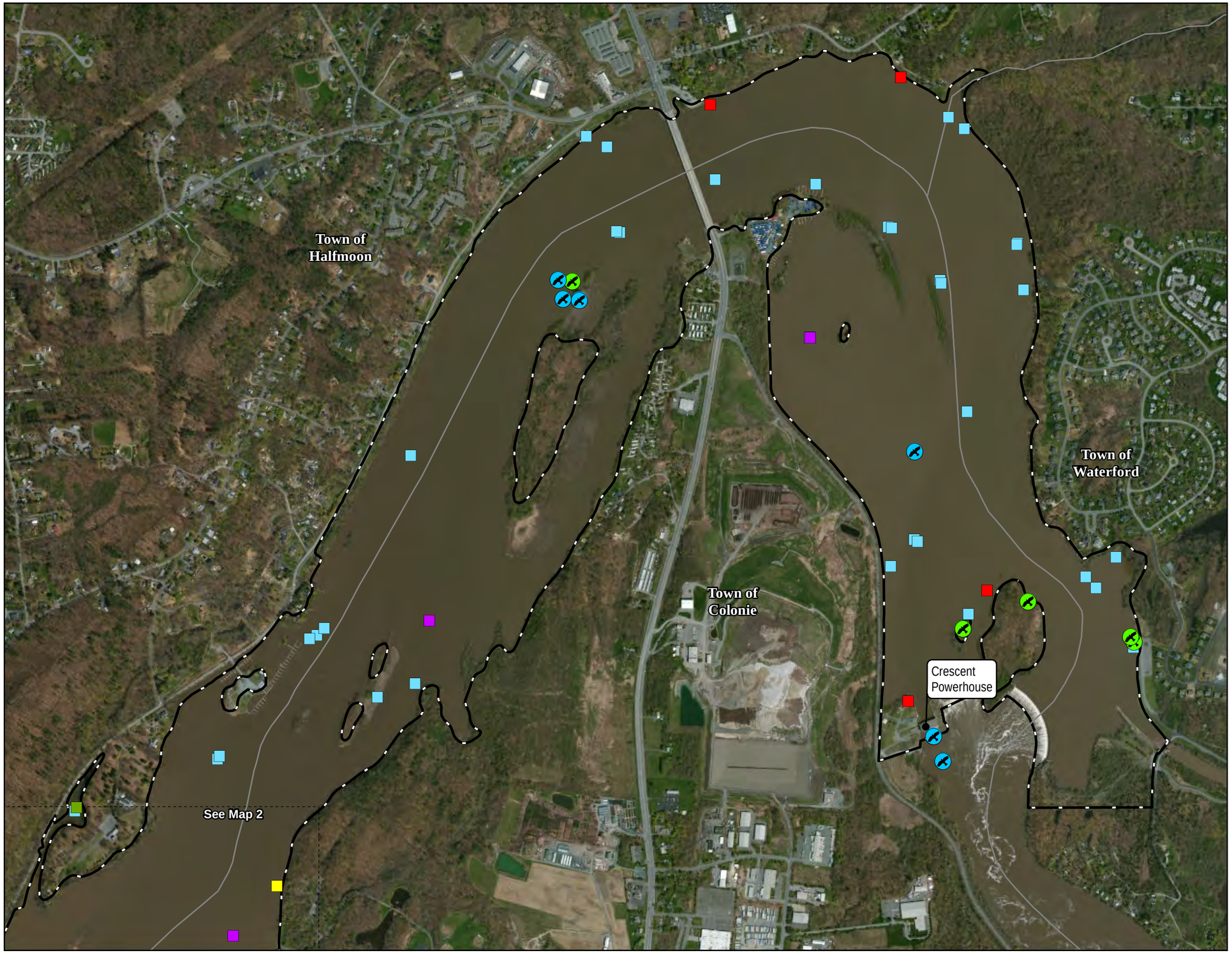
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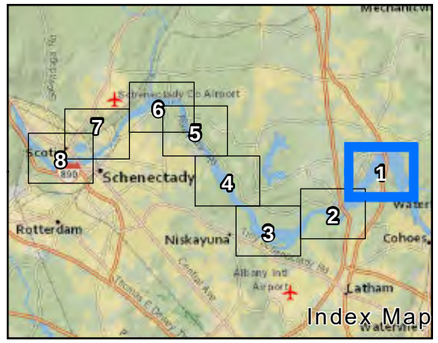
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Crescent and Vischer Ferry
Projects Relicensing
FERC No. P-4678 and P-4679

Figure 3.7-1
Bald Eagle and Wildlife
Field Observations
Map 1

Legend

Crescent Project Boundary
Vischer Ferry Project Boundary

Observed Wildlife

- Beaver
- Deer
- Hawk (Red Tailed Hawk/Osprey)
- Perching Bird
- Sandpiper
- Turkey
- Turtle
- Wading Bird
- Waterfowl

Bald Eagle Observed Activity*

- Flight
- Roost

*Nest Locations have been removed from the public version of this map

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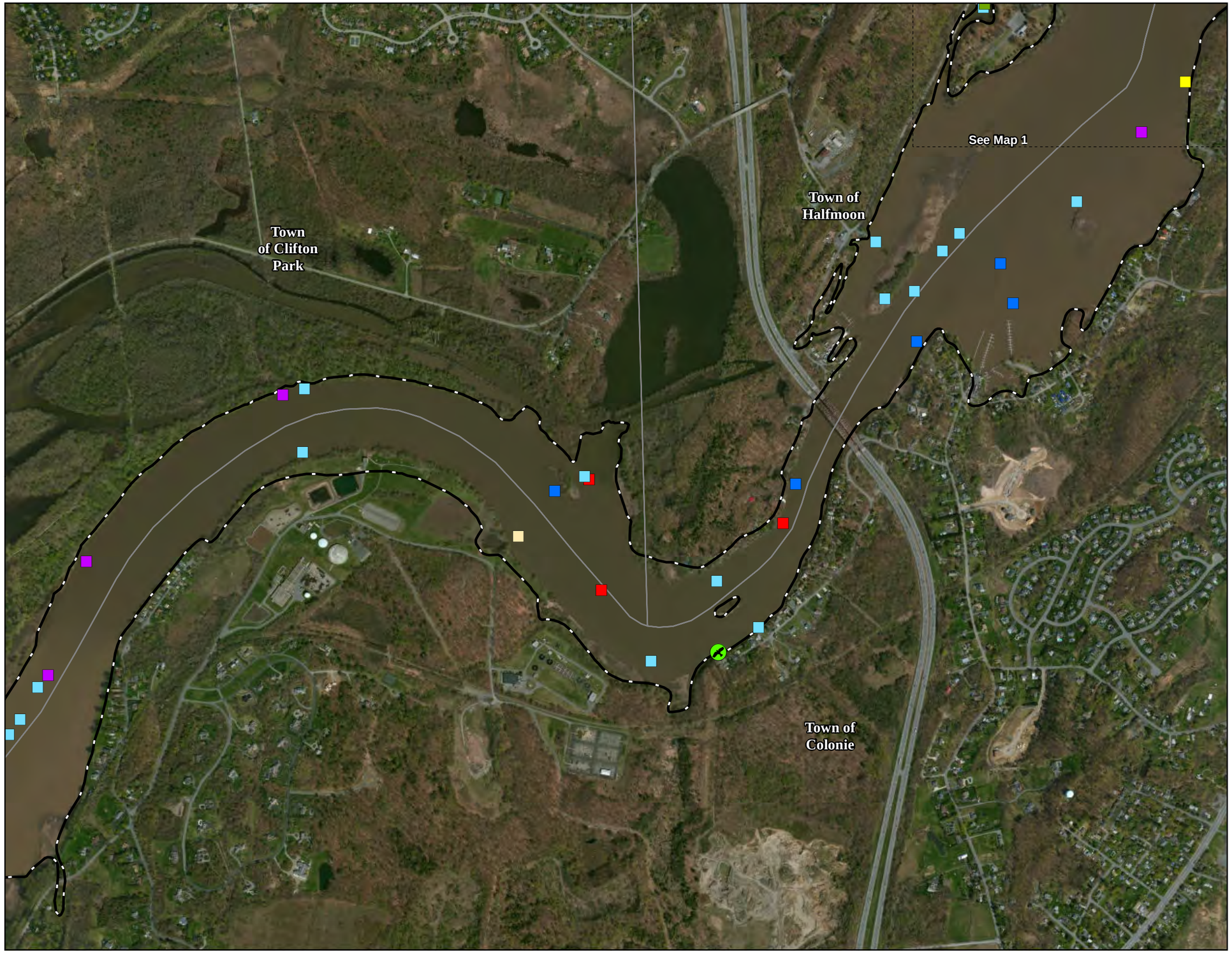
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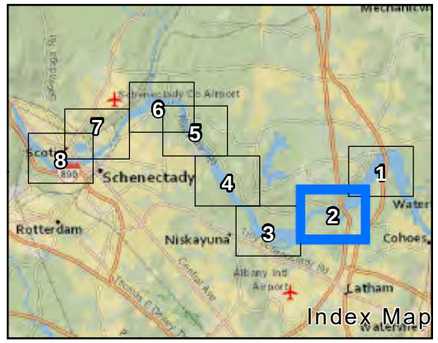
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Crescent and Vischer Ferry
Projects Relicensing
FERC No. P-4678 and P-4679

Figure 3.7-1
Bald Eagle and Wildlife
Field Observations
Map 2

Legend

Crescent Project Boundary

Vischer Ferry Project Boundary

Observed Wildlife

- Beaver
- Deer
- Hawk (Red Tailed Hawk/Osprey)
- Perching Bird
- Sandpiper
- Turkey
- Turtle
- Wading Bird
- Waterfowl

Bald Eagle Observed Activity*

- Flight
- Roost

*Nest Locations have been removed from the public version of this map

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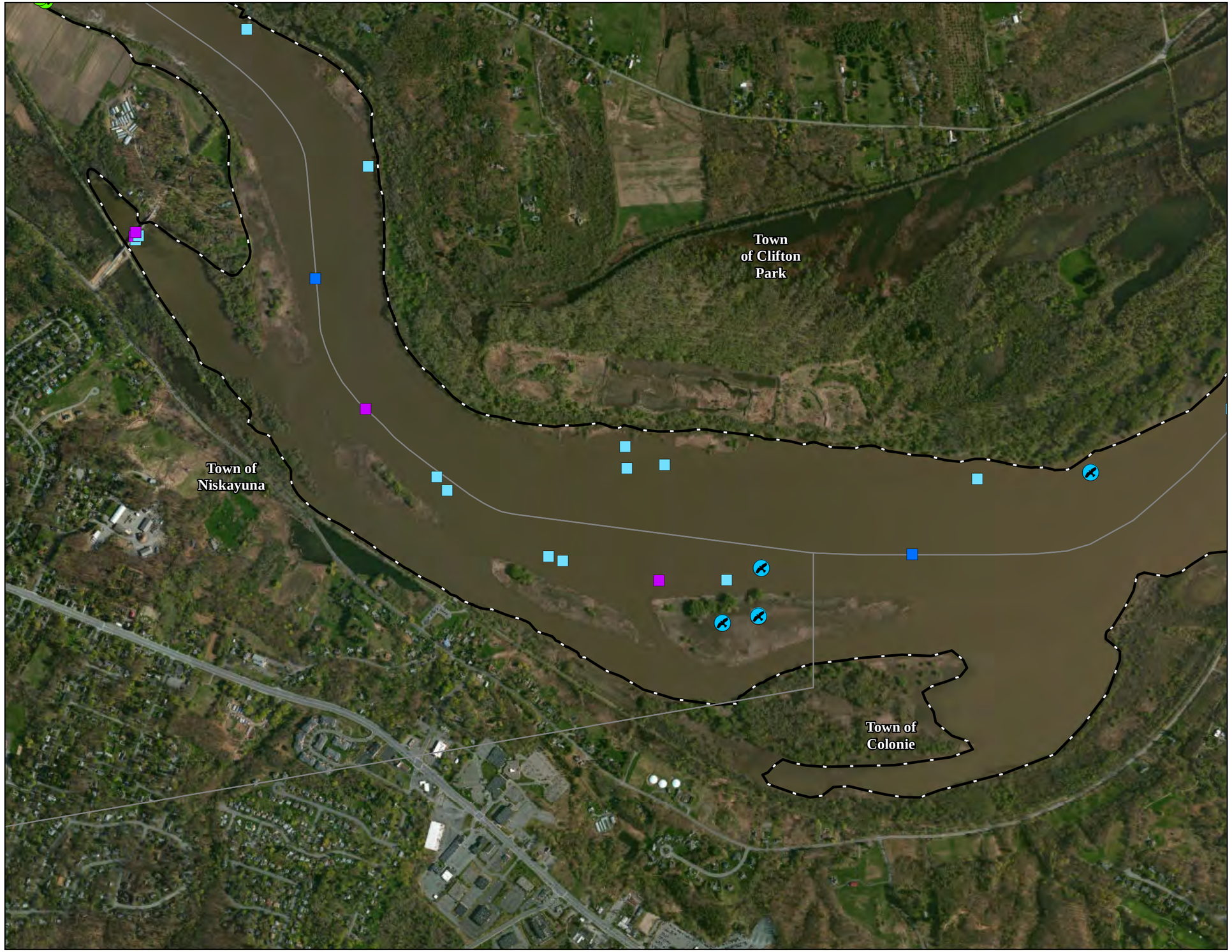
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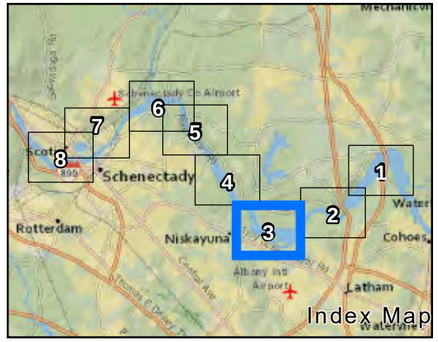
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Crescent and Vischer Ferry
Projects Relicensing
FERC No. P-4678 and P-4679

Figure 3.7-1
Bald Eagle and Wildlife
Field Observations
Map 3

Legend

Crescent Project Boundary
Vischer Ferry Project Boundary

Observed Wildlife

- Beaver
- Deer
- Hawk (Red Tailed Hawk/Osprey)
- Perching Bird
- Sandpiper
- Turkey
- Turtle
- Wading Bird
- Waterfowl

Bald Eagle Observed Activity*

- Flight
- Roost

*Nest Locations have been removed from the public version of this map

N

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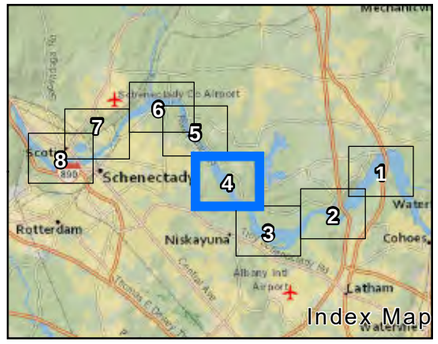
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Crescent and Vischer Ferry
Projects Relicensing
FERC No. P-4678 and P-4679

Figure 3.7-1
Bald Eagle and Wildlife
Field Observations
Map 4

Legend

Crescent Project Boundary

Vischer Ferry Project Boundary

Observed Wildlife

- Beaver
- Deer
- Hawk (Red Tailed Hawk/Osprey)
- Perching Bird
- Sandpiper
- Turkey
- Turtle
- Wading Bird
- Waterfowl

Bald Eagle Observed Activity*

- Flight
- Roost

*Nest Locations have been removed from the public version of this map

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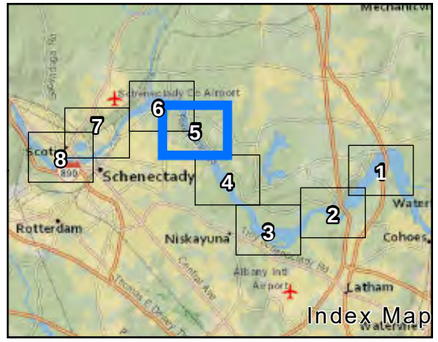
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Crescent and Vischer Ferry
Projects Relicensing
FERC No. P-4678 and P-4679

Figure 3.7-1
Bald Eagle and Wildlife
Field Observations
Map 5

Legend

Crescent Project Boundary
Vischer Ferry Project Boundary

Observed Wildlife

- Beaver
- Deer
- Hawk (Red Tailed Hawk/Osprey)
- Perching Bird
- Sandpiper
- Turkey
- Turtle
- Wading Bird
- Waterfowl

Bald Eagle Observed Activity*

- Flight
- Roost

*Nest Locations have been removed from the public version of this map

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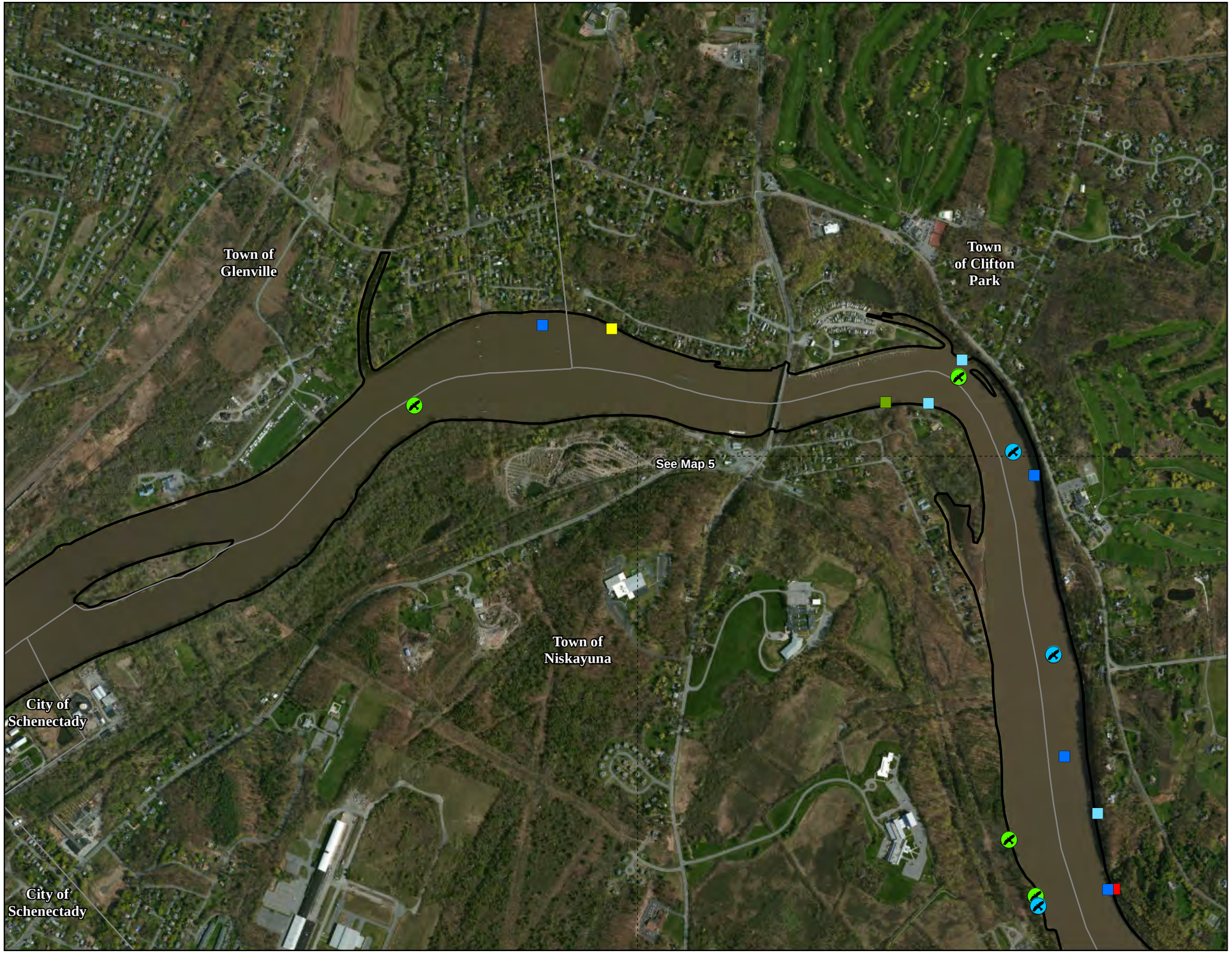
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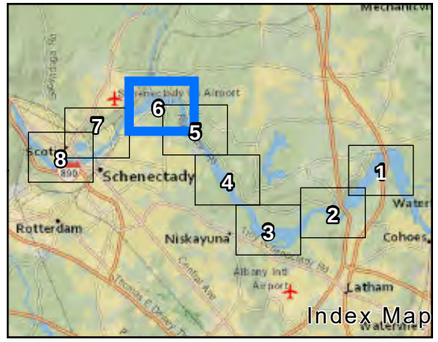
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Crescent and Vischer Ferry
Projects Relicensing
FERC No. P-4678 and P-4679

Figure 3.7-1
Bald Eagle and Wildlife
Field Observations
Map 6

Legend

- Crescent Project Boundary
- Vischer Ferry Project Boundary

Observed Wildlife

- Beaver
- Deer
- Hawk (Red Tailed Hawk/Osprey)
- Perching Bird
- Sandpiper
- Turkey
- Turtle
- Wading Bird
- Waterfowl

Bald Eagle Observed Activity*

- Flight
- Roost

*Nest Locations have been removed from the public version of this map

N

0 500 1,000 2,000 Feet

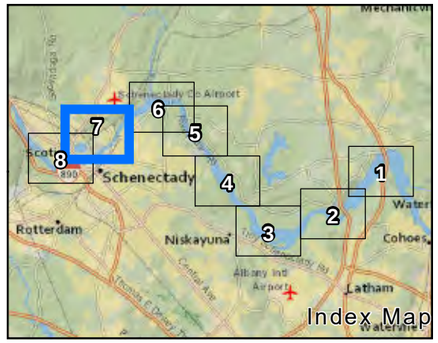
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Crescent and Vischer Ferry
Projects Relicensing
FERC No. P-4678 and P-4679

Figure 3.7-1
Bald Eagle and Wildlife
Field Observations
Map 7

Legend

Crescent Project Boundary
Vischer Ferry Project Boundary

Observed Wildlife

- Beaver
- Deer
- Hawk (Red Tailed Hawk/Osprey)
- Perching Bird
- Sandpiper
- Turkey
- Turtle
- Wading Bird
- Waterfowl

Bald Eagle Observed Activity*

- Flight
- Roost

*Nest Locations have been removed from the public version of this map

N

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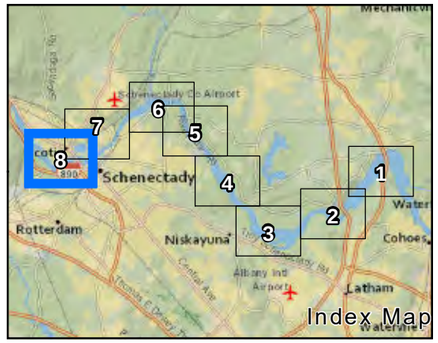
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Crescent and Vischer Ferry
Projects Relicensing
FERC No. P-4678 and P-4679

Figure 3.7-1
Bald Eagle and Wildlife
Field Observations
Map 8

Legend

Crescent Project Boundary
Vischer Ferry Project Boundary

Observed Wildlife

- Beaver
- Deer
- Hawk (Red Tailed Hawk/Osprey)
- Perching Bird
- Sandpiper
- Turkey
- Turtle
- Wading Bird
- Waterfowl

Bald Eagle Observed Activity*

- Flight
- Roost

*Nest Locations have been removed from the public version of this map

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4 Summary

In accordance with the FERC-approved Study Plan, the Power Authority conducted field surveys of the Crescent and Vischer Ferry Projects in the summer and fall 2020 to map aquatic mesohabitats in the Project impoundments. The primary goal of the study was to identify and map aquatic habitats at the Projects including wetlands, riparian, and littoral vegetation communities, including submerged aquatic vegetation and open water habitats. Shoreline erosion, wildlife and aquatic fauna were also documented during the surveys, which were conducted during the summer period when flashboards at the Project dams were installed and the impoundments were operating at their normal navigation season elevations. Additional field surveys were performed in the fall following flashboard removal. Fall surveys focused on observing and documenting habitats found in the narrow zone between the boards up and boards down impoundment elevations.

The Crescent Project riparian zone (50 feet from the Project boundary) surveyed during this study totaled 245 acres. The riparian zone along the Crescent impoundment is 30% forested and 44% developed. Developed areas include 109 acres, of which most are either residential (low intensity) or developed open space. Adjacent wetlands account for 57 acres, or 23% of the 50-foot riparian area. The Vischer Ferry Project riparian zone (50 feet from the Project boundary) surveyed during this study totaled 204 acres. The Vischer Ferry Project riparian zone was more forested than Crescent (44% and 30% forested, respectively) and developed lands were less common along the Vischer Ferry impoundment (34% of the total riparian area) compared to the Crescent impoundment. Vischer Ferry riparian areas included high and medium intensity development, such as condominiums and commercial areas. Forest cover types consisted of mature tree species common to the Northeast, such as oak, hickory, maple, pine and cedar species.

Naturally vegetated areas along the riparian zone and within the Project impoundments also included a variety of wetlands. Emergent wetlands covered approximately 13% (247 acres) of the Crescent impoundment, most of which were PEM1 (Palustrine Emergent Persistent) wetlands. Due to the local topography and geological conditions, there were less emergent wetlands found in the Vischer Ferry impoundment compared to the Crescent Project. Dominant species located in the PEM1 wetland types included broadleaf cattail, common reed, joe-pye weed, woolgrass, and sedge species. Further downslope within the shallow water areas, the emergent wetland type graded into PEM2 with more nonpersistent wetland species such as arrowhead, smartweed and bur-reed. In deeper areas, aquatic beds were found.

The Mohawk River, due to an extensive history of development and commercial boating activity, represents a major vector for both aquatic and terrestrial invasive species (Williams *et al.*, 2018). Throughout both the Crescent and Vischer Ferry Projects, invasive terrestrial vegetation species were ubiquitous along the riparian areas. European water chestnut, Eurasian milfoil, brittle naiad, and curly-leaved pondweed were aquatic invasive plants observed at both Projects.

Forested and Scrub-Scrub wetlands were less common wetland types found within both project boundaries and were mostly found in adjacent riparian areas. Eastern cottonwood, silver maple, and black willow were the common species found in the PFO1 wetlands and willow shrubs and European alder were the dominant species in the PSS1 wetlands.

Aquatic habitat was extensive in the Crescent Project. FAV and SAV beds covered over 29% of the Crescent impoundment (577 acres floating and 36 acres of submerged aquatic beds). FAV beds were mostly monocultures of European water chestnut and SAV beds were dominated by tapegrass and coontail. The dominant shoreline substrate was silt largely found in the shallower slope littoral zone areas, which are

conducive to aquatic plant bed growth. Areas of gravel, cobble and boulder were also prevalent.

Native SAV beds were prominent throughout the Vischer Ferry impoundment, covering 74 acres (7% total cover) within the project boundary. The SAV beds were found in depths up to 10-12 feet and grow in various substrates, from silt to gravel dominated shorelines. In areas where the shoreline and littoral zone contained cobble/boulder substrates, native SAV beds were less dense. The most common species included tapegrass, water stargrass, white water lily, and floating pondweed. The total area of floating vegetation beds was around 187 acres. The floating beds were mainly monocultures of water chestnut with other submerged species sparsely distributed along the edges of the water chestnut beds. Overall, aquatic beds covered approximately 23% (261 acres) of the Vischer Ferry impoundment. The dominant substrate observed was silt, but areas of boulder, cobble and gravel provided diverse bottom substrates.

During the fall survey, emergent wetlands adjacent to the shore were located at higher elevation than the surface water of the impoundments, but the emergent vegetation had died-back by that time. Narrow bands of substrate were exposed. In shallower sloped areas, European water chestnut beds were no longer present, however large swaths of seeds covered the shoreline. SAV beds were mostly intact in shallow water.

The Crescent and Vischer Ferry Projects were both found to have generally stable shorelines with very few areas of observed shoreline erosion. Factors contributing to the stability of the shoreline are the gentle littoral zone gradients and the robust vegetation and associated roots along the shoreline. Where steeper shoreline sections did occur (primarily on the Vischer Ferry impoundment), they were generally well-armored (exposed bedrock, riprap) and therefore protected from erosion. There is no evidence that the change in impoundment elevation between navigation season (boards up) and the non-navigation winter season (boards down) affects shoreline erosion around either of the Project impoundments.

On the whole, the Project riparian areas are in good condition with very little shoreline erosion. They contain a mix of naturally vegetated habitats as well as areas of developed open space. There are a variety of diverse wetlands and aquatic habitats provided throughout the Project impoundments. The reduced winter impoundment elevation is not affecting the growth and survival of the emergent wetlands or submerged aquatic beds. As observed during this study, by the time in the fall when the boards are typically removed and the impoundment elevations are reduced, much of the aquatic vegetation has already died back and is going into winter dormancy, so are unaffected by the reduced elevation of the impoundments. In addition, there are areas of exposed shoreline, but the lower impoundment levels appear to benefit shoreline stability by keeping ice floes and scour off the river banks during the non-navigation season. Overall, the Project impoundments are well utilized by a variety of wildlife species and provide habitat for fish and aquatic species while also allowing for water-based recreation, commercial navigation of the Barge Canal System, and hydropower generation.

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Appendix A – Photo Log

Crescent and Vischer Ferry

Summer Photo Log

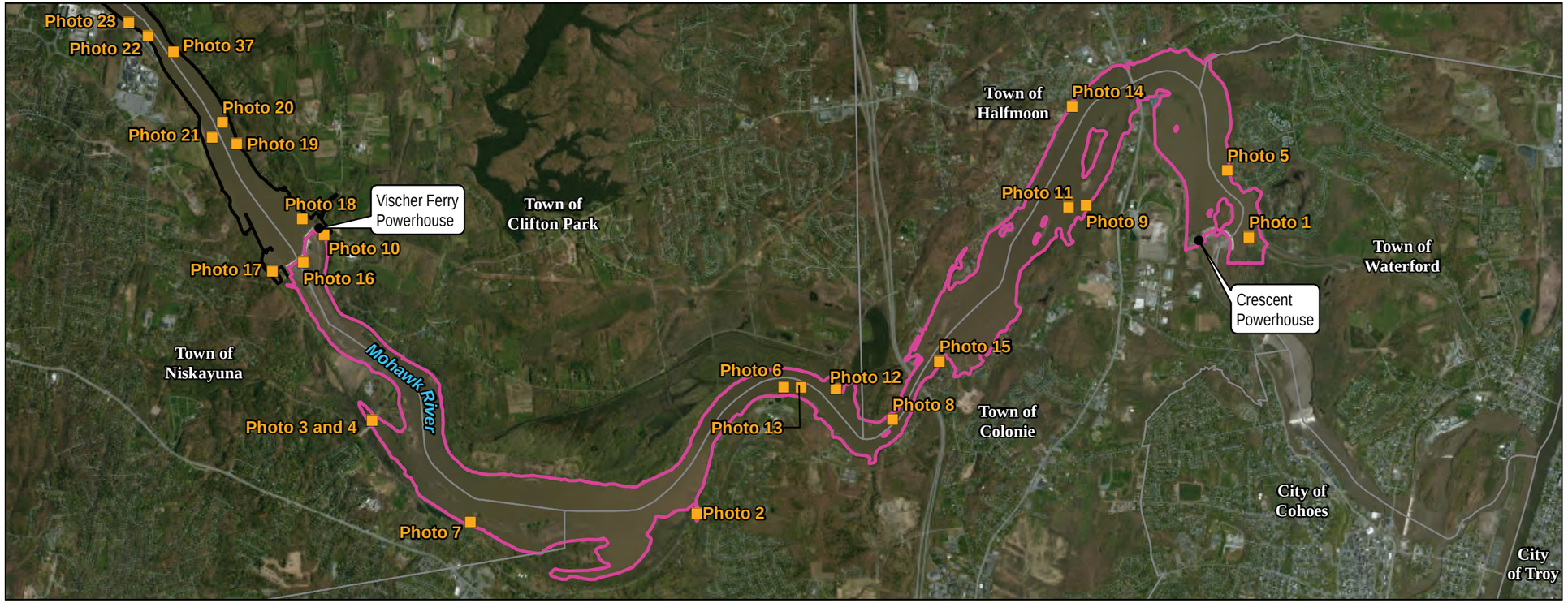
All photos taken during relicensing study surveys from July – August 2020.

Note that Left Bank and Right Bank descriptors refer to the side of the river when facing downstream

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Crescent and Vischer Ferry
Projects Relicensing
FERC No. P-4678 and P-4679

Figure A-1:
Crescent and Vischer Ferry
Summer Photo Locations

Legend

- Crescent Project Boundary
- Vischer Ferry Project Boundary
- Photo Location

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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

0 2,250 4,500 9,000 Feet

1 inch = 4,500 feet

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Crescent Impoundment Photo Log



Photo 1: Left bank facing the Crescent Dam near Waterford Flight (ObjectID:151)



Photo 2: PFO wetland and FAV bed along right bank of the Crescent Project (ObjectID:74)



Photo 3: PEM and PFO wetland within the Crescent Project cove on right bank, facing upstream. (ObjectID:2)



Photo 4: PEM wetland complex within the Crescent Project cove on right bank, facing downstream (ObjectID:2)



Photo 5: Low density, residential along lower, left bank of the Crescent Project (ObjectID:79)



Photo 6: Developed, open space along the right bank of the Crescent Project (ObjectID:150)



Photo 7: PEM and aquatic vegetation habitat in between PFO island wetland and right bank of middle reach Crescent Project (ObjectID:75)



Photo 8: Left bank, middle reach FAV, PEM, and Low density, residential habitat within the Crescent Project (ObjectID:125)



Photo 9: Right bank FAV and PEM wetland complex within the middle reach of the Crescent Project (ObjectID:92)



Photo 10: Left bank SAV/FAV bed just downstream of Vischer Ferry Dam (ObjectID:132)



Photo 11: Floating aquatic vegetation bed along right bank of the Crescent Project (ObjectID:91)



Photo 12: Submerged and floating aquatic vegetation left bank, middle reach of Crescent Project (ObjectID:128)



Photo 13: Floating aquatic vegetation right bank, middle reach of the Crescent Project (ObjectID:149)



Photo 14: Submerged aquatic vegetation bed within the Crescent Project (ObjectID:118)



Photo 15: Submerged aquatic vegetation on right bank, middle reach within the Crescent Project (ObjectID:148)



Photo 16: Submerged aquatic vegetation bed just downstream of the Vischer Ferry Dam (ObjectID:154).

Vischer Ferry Project Representative Photos



Photo 17: Floating SAV and wooded wetland habitat on right bank near Lock 7, lower reach of the Vischer Ferry Project (ObjectID:44)



Photo 18: Floating SAV and high bank riparian habitat on the left bank, lower reach near the Vischer Ferry Dam (ObjectID:26)



Photo 19: Sparse floating aquatic vegetation bed and wooded wetland on the left bank, lower reach within the Vischer Ferry Project (ObjectID:99)



Photo 20: Floating aquatic vegetation bed and mixed forest riparian habitat on the left bank, lower reach within the Vischer Ferry Project (ObjectID:28)



Photo 21: FAV, PEM, and developed, open space habitat on the right bank, lower reach within the Vischer Ferry Project (ObjectID:67)



Photo 22: Small tributary on the right bank, lower reach within the Vischer Ferry Project (ObjectID:66)



Project 23: Waterfall from tributary on the right bank, lower reach within the Vischer Ferry Project (ObjectID:64)



Photo 24: FAV and upland shrub/scrub habitat on the right bank, middle reach within the Vischer Ferry Project (ObjectID:61)



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Photo 27: PEM wetland cove and PFO wetland habitat observed on the left bank, middle reach within the Vischer Ferry Project (ObjectID:37)



Photo 28: Thin strip of PFO1 habitat obscuring commercial developed land on the right bank, middle reach of the Vischer Ferry Project (ObjectID:59)

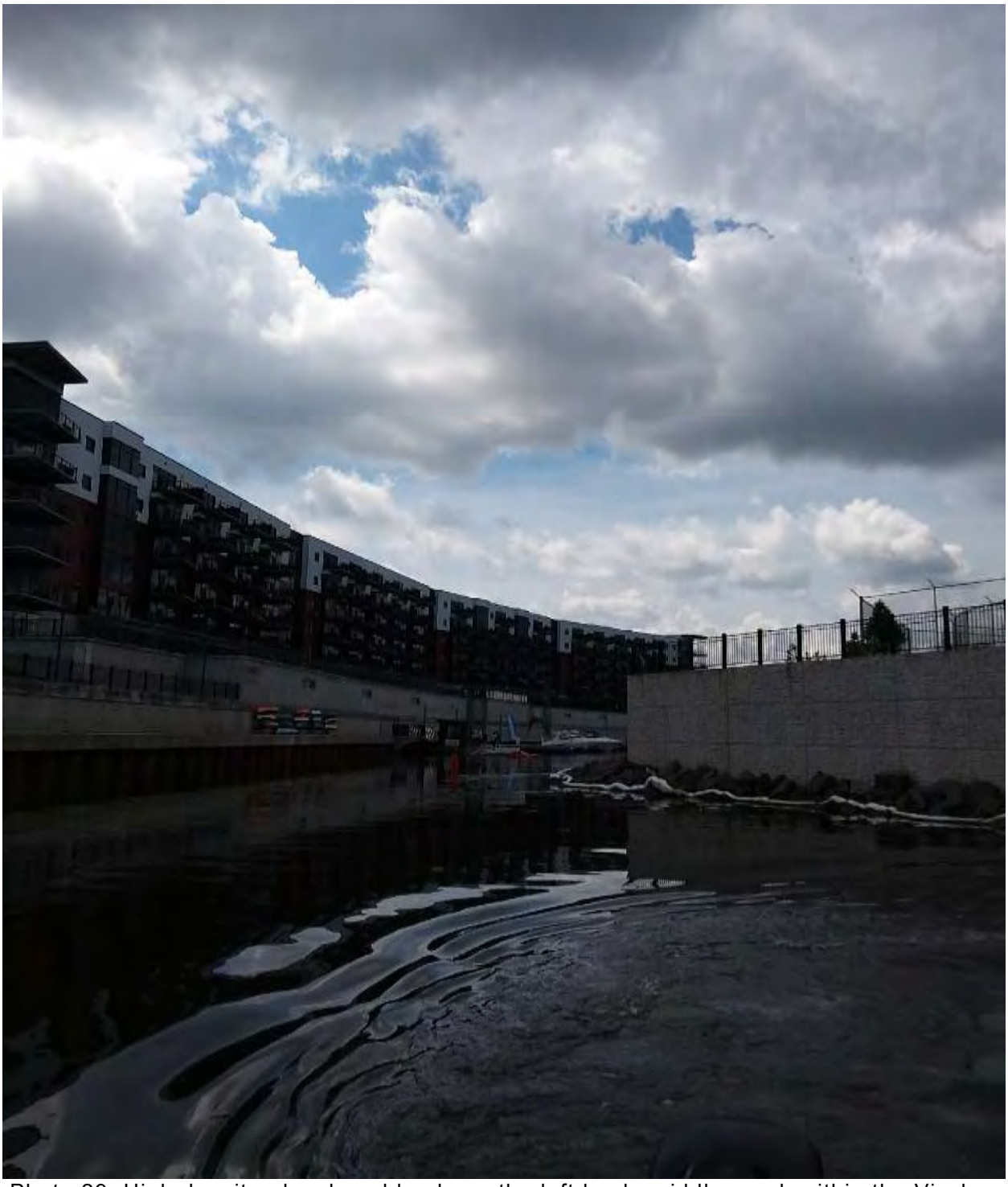


Photo 29: High density, developed lands on the left bank, middle reach within the Vischer Ferry Project (ObjectID:58)



Photo 30: Bank armoring along the right bank, middle reach within the Vischer Ferry Project (ObjectID:57)



Photo 31: Transition of PEM wetland complex to PFO wetland habitat found on the left bank, upper reach of the Vischer Ferry Project (ObjectID:55)



Photo 32: Grassland herbaceous habitat found on downstream tip of island, upper reach within the Vischer Ferry Project (ObjectID:46)



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Photo 34: Floating aquatic vegetation found in back channels between islands found in the upper reaches within the Vischer Ferry Project (ObjectID:45)



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Photo 37: Floating aquatic vegetation bed found on the left bank, lower reach within the Vischer Ferry Project (ObjectID:100)

Crescent and Vischer Ferry Projects
Fall Photo Log

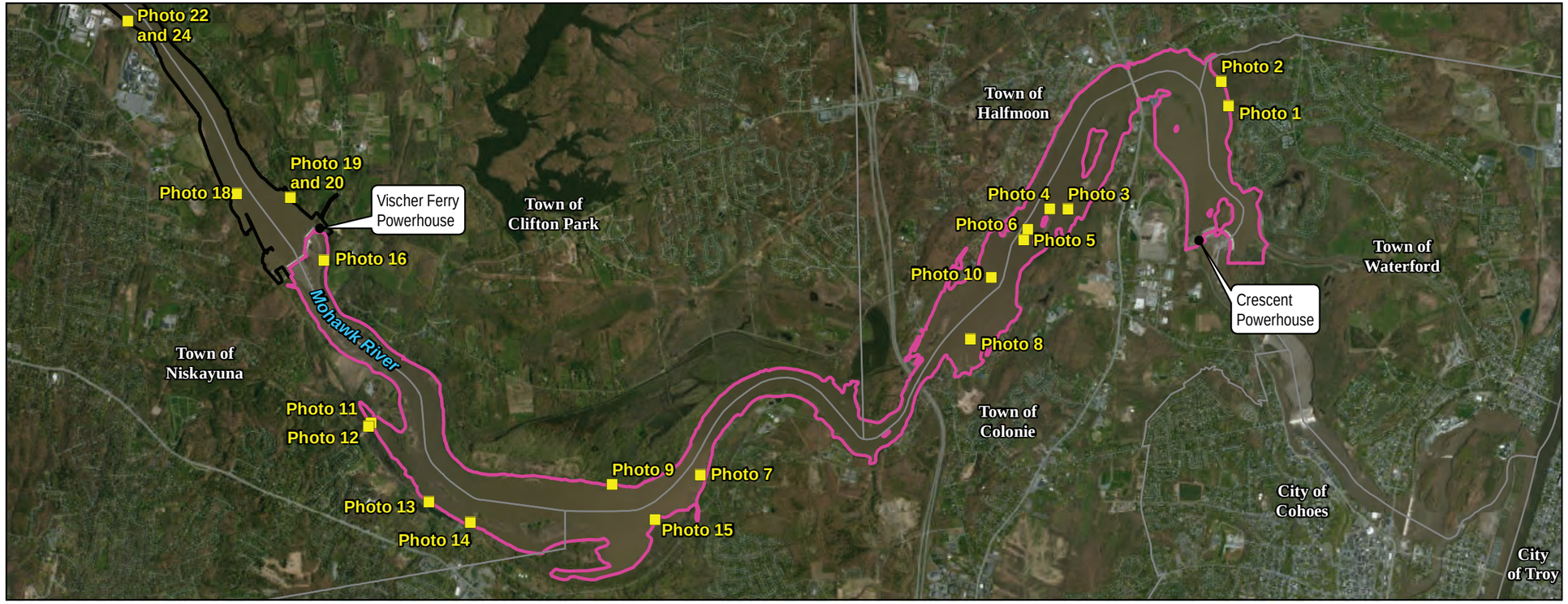
All photos taken during relicensing study surveys from November 18-20, 2020.

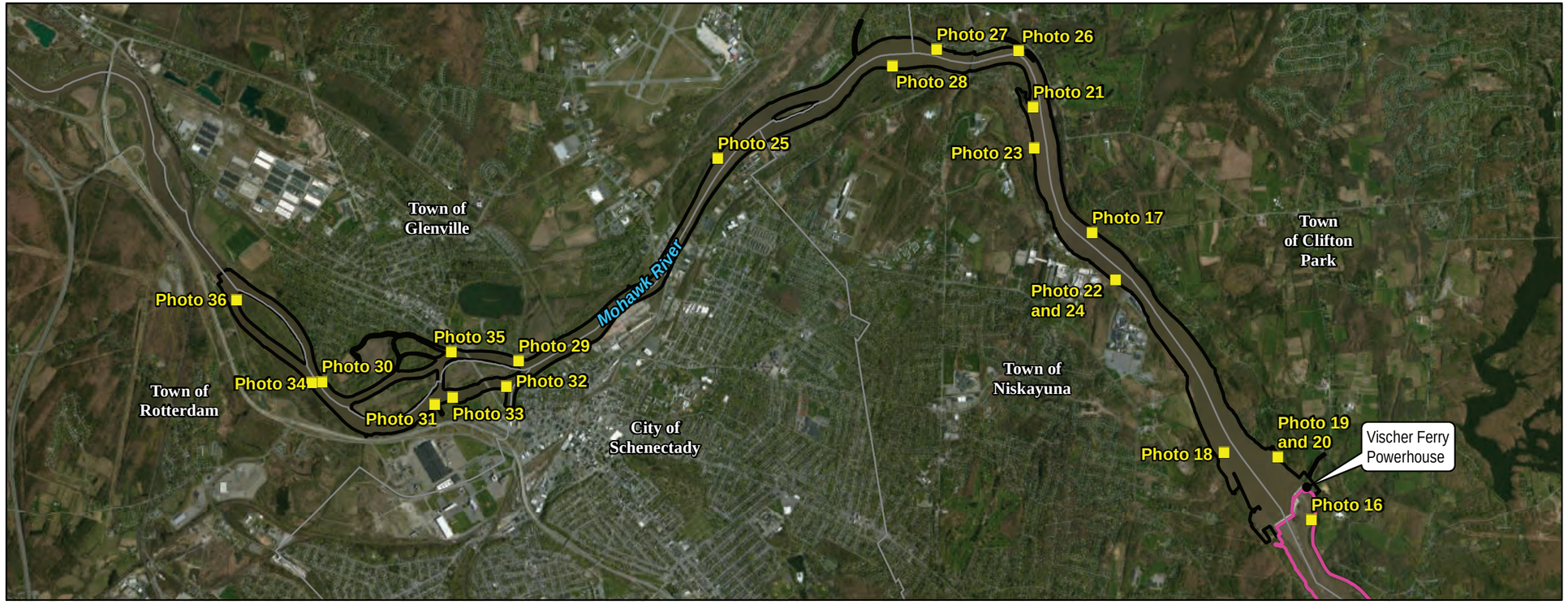
Note that Left Bank and Right Bank descriptors refer to the side of the river when facing downstream.

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Crescent and Vischer Ferry
Projects Relicensing
FERC No. P-4678 and P-4679

Figure A-2:
Crescent and Vischer Ferry
Fall Photo Locations

Legend

- Crescent Project Boundary
- Vischer Ferry Project Boundary
- Photo Location

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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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Photo 36: Vischer Ferry Project upper reach island gravel/cobble shoreline located at upstream end of Project Boundary (ObjectID:298)

Appendix F Consultation Record for Study Schedule Changes Due to Global COVID-19 Pandemic

MEETING SUMMARY

Agency Discussion – CVF Year 1 Studies and COVID-19
Webex – meeting access code: 735-088-234 – (Join Meeting Link sent via email)
April 8, 2020, 9:00

NYPA: Cindy Brady, Rob Daly, Tara Groom, Jeff Gerlach, Vin Pezzullo, Andrew Weinstock
Kleinschmidt Associates: Wendy Bley, Mike Hreben
NYDEC: Chris VanMaaren, Nicole Cain, Mike Higgins
USFWS: John Wiley (Not available)

Agenda:

1. Good morning, I hope all is well with everyone and their families.
2. Purpose of call: Due to COVID-19 pandemic some Year1 studies may be impacted
    a. *The COVID-19 pandemic is a fluid situation. NYPA has conducted the procurement phase of onboarding consultants to perform the studies. The purpose of this call is to inform the agencies of NYPA's intent to complete the studies as conditions allow as of April 8, 2020 and to seek input and guidance from the agencies. Following is a recap of the FERC licensing timeline for the Crescent & Vischer Ferry (CVF) projects.*
3. ILP Schedule:
    a. Licenses Expire May 31, 2024 – Relicensing began 2019
    b. Notice of Intent-Pre-Application Document Filed 5/31/2019
    c. Scoping Meetings/Site Visit 7/10-11 2019
    d. Proposed Study Plan Meeting 10/23/2019
    e. NYPA filed Revised Study Plan 01/21/2020
    f. FERC issued Study Plan Determination (SPD) 2/20/2020
    g. Initial Study Report of Year 1 Studies Filed 2/19/2021
    h. Initial Study Report Meeting 3/6/2021
    i. File Draft License Application 01/01/2022
    j. Updated Study Report Filed 2/19/2022
    k. File Final License Application 5/31/2022
    l. New License Issued 5/31/2024
4. CVF – FERC Study Plan Determination:
    a. Water Quality Study
        i. *The original timeline for deploying monitoring equipment and collecting data was to start in May. Currently it is anticipated data collecting will be able to begin in late June or early July. NYPA believes the data collected will provide the data needed to determine an assessment of water quality and what – if any- mitigation measures might be needed since the critical period for DO and water temperature happen during later summer and early fall. The CVF system is a relatively shallow system operated as run of river.*
        ii. Discussion: *We will evaluate the data and consult with the agencies to determine if the data gathered is adequate without going back into the field next season (2021). Further if equipment is not able to be deployed by early July 2020 we will reconvene to determine if this study gets postponed until 2021.*

b. Fish Entrainment & Survivability
    i. *This is a desktop study that can go forward without delay. There is a field component – gathering water velocities near the intakes that can take place in summer or fall assuming we have normal facility operating conditions.*
c. Blueback Herring Downstream Migration Desktop Study
    i. *This is a desktop study that can go forward without delay.*
d. Fish Community Study
    i. *This is a desktop study that can go forward without delay. There are existing fisheries data sets. NYPA will be reaching out to the agencies to obtain any data sets we don't yet have.*
e. Aquatic Mesohabitat Study
    i. *NYPA is planning that this study will go forward as planned. The field components are scheduled for late summer and fall.*
f. Bald Eagle Study
    i. *This study has two field components: early spring nesting survey would occur in April and a foraging and roosting survey that will occur later in the season (summer and fall). The early spring nesting season will be postponed until 2021. The foraging and roosting survey portion can be completed in 2020.*
    ii. *Discussion: Chris VanMaaren will provide NYPA with DEC contacts in the region and local birders or National Heritage Program staff that may track information on Bald Eagle nest locations.*
g. Recreation Study
    i. *This study will be postponed until 2021. Recreation usage will not be typical this year due to COVID19.*
    ii. *Discussion: DEC has some signs warning people to social distance at public parks and recreation sites. DEC offered signs if NYPA needs any. Follow-up: NYPA has already created their own signs for use by NYPA and Canals at the projects and recreation sites.*
h. American Eel Study
    i. *Postpone until 2021. It won't be possible to conduct surveys in the early spring when young juvenile upstream migrating eel (elvers) are most likely to be moving in the system. NYPA will consult with agencies in the field to determine where the optimum sampling locations will be to deploy the fyke nets and eel mops. That consultation could occur later this season in anticipation of a spring deployment in 2021.*

5. Discussion

Recap:

Studies that are anticipated to go forward this year without delay:

1. Fish Entrainment Study
2. Blueback Herring Downstream Migration Study
3. Fish Community Study
4. Aquatic Mesohabitat Study

Studies that will be partially delay or impacted

1. Water Quality Study
2. Bald Eagle Survey

Studies postponed until 2021

1. Recreation Study
2. American Eel Study