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**NEW JERSEY 2002 INTEGRATED WATER QUALITY
MONITORING AND ASSESSMENT REPORT [305(B) AND
303(D)].**

**A Report on the Water Quality In New Jersey Pursuant to The New Jersey Water Quality
Planning Act, and Sections 305(b) and 303(d) of the Federal Clean Water Act**

State of New Jersey
Department of Environmental Protection
Water Assessment Team

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The mission of the New Jersey Department of Environmental Protection is to assist the residents of New Jersey in preserving, sustaining, protecting and enhancing the environment to ensure the integration of high environmental quality, public health and economic vitality

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Part I: Introduction and Executive Summary/Major Finding

NEW JERSEY 2002 INTEGRATED WATER QUALITY MONITORING AND ASSESSMENT REPORT [305(B) AND 303(D)].

PART I: INTRODUCTION

Genesis of the Integrated List

Water Quality Inventory Report [305(b) Report]

The Federal Clean Water Act (Act) mandates states to biennially report to the US Environmental Protection Agency (USEPA) on the water quality of their waters as per their support of designated uses and attainment of water quality standards. This report is called the *Water Quality Inventory Report* or the 305(b) Report, named from the section of the Act mandating it. The report contains assessments of water quality and descriptions of water resources management programs. These 305(b) reports are used by Congress and USEPA to establish program priorities and funding for federal and state water resources management programs.

List of Water Quality Limited Waters [303(d) List]

The Act also requires states to biennially provide USEPA with a list of waterbodies for which required technology-based effluent limits are not stringent enough to achieve the state's surface water quality standards. This list is termed the *List of Water Quality Limited Waters* or the 303(d) List, again based upon its corresponding section of the Act. This regulation requires the identification of impaired waterbodies: those waters for which technology-based pollution controls were not stringent enough to achieve the state's surface water quality standards. The state is required to establish TMDLs for these impaired waterbodies based on a priority ranking. Impaired Waterbodies Lists must be based on a documented methodology that includes an evaluation of existing and readily available data. Waterbodies continue to be included on subsequent Impaired Waterbodies Lists until:

1. TMDLs are completed; or
2. Applicable criteria are met; or
3. The original basis for the listing is shown to be flawed.

Integrated Water Quality Monitoring and Assessment Report

The close association between the two reporting requirements is evident in that the 305(b) report presents the water quality status of all waters of the state while the 303(d) list represents a subset of these waters that statutorily require a TMDL. Additionally, both efforts utilize shared data sets. None the less, until 2002, the 305(b) reports and 303(d) lists for New Jersey were issued as separate products. In 2000 USEPA encouraged states to integrate the two into a single product which would be termed an *Integrated Water Quality Monitoring and Assessment Report*. This combined report presents the extent to which waters of the State are attaining water quality standards (the 305(b) portion of the effort) and identifies waters that are impaired and need TMDLs as required under section 303(d) of the Act. The report also identifies waters that are being removed from the 303(d) List because they are attaining water quality standards.

The Integrated Report provides water resources managers and citizens with information regarding the following:

- Delineation of water quality assessment units providing geographic display of assessment results;
- Progress toward achieving comprehensive assessment of all waters;
- Water quality standards attainment status;
- Methods used to assess water quality standards attainment status;
- Additional monitoring needs and schedules;
- Pollutants and waterbodies requiring Total Maximum Daily Loads (TMDLs);
- Management strategies (including TMDLs) under development to attain water quality standards.

Sublists

The Integrated List consists of five categories or lists (New Jersey terms them sublists). All assessed waterbodies are placed on the sublists based upon: 1) the degree of support of designated uses; 2) how much is known about the waterway's water quality status; and 3) the type of impairment preventing use support. Based on USEPA's assessment and listing methodology (USEPA, 2001; USEPA, 2002.), each waterway should be placed in only one of the five unique assessment sublists. Each sublist is described below as per EPA's guidance:

Sublist 1. Attaining the water quality standard and no use is threatened (threatened defined as currently supporting uses but information suggests that uses will not be met within the next two years). Waterways are listed in this sublist if there are data and information that meet the requirements of the state's assessment and listing methodology and support a determination that the water quality standard is attained and no use is threatened.

Sublist 2. Attaining some of the designated uses; no use is threatened; and insufficient or no data and information is available to determine if the remaining uses are attained or threatened. Waterways are listed in this sublist if there are data and information which meet the requirements of the state's assessment and listing methodology to support a determination that some, but not all, uses are attained and none are threatened. Attainment status of the remaining uses is unknown because there is insufficient or no data or information.

Sublist 3. Insufficient or no data and information to determine if any designated use is attained. Waterways are listed in this sublist where the data or information to support an attainment determination for any use is not available, consistent with the requirements of the state's assessment and listing methodology. To assess the attainment status of these waterways, the state should obtain supplementary data and information, or schedule monitoring as needed.

Sublist 4. Impaired or threatened for one or more designated uses but does not require the development of a TMDL.

4A. TMDL has been completed. Waterways are listed in this sublist once all TMDL(s) have been developed and approved by EPA that, when implemented, are expected to result in full attainment of the standard. Where more than one pollutant is associated with the impairment of a waterway, the water will remain in Sublist 5 until all TMDLs for each pollutant have been completed and approved by EPA.

4B. Other pollution control requirements are reasonably expected to result in the attainment of the water quality standard in the near future. Consistent with the regulation under 130.7(b)(i), (ii), and (iii), waterways are listed in this sublist where other pollution control requirements required by local, state, or federal authority are stringent enough to implement any water quality standard applicable to such waters.

4C. Impairment is not caused by a pollutant. Waterways are listed in this sublist if the impairment is not caused by a pollutant but are instead impaired by factors such as habitat degradation, stream channeling, etc. States and territories should consider scheduling these waterways for monitoring to confirm that there continues to be no pollutant-caused impairment and to support water quality management actions necessary to address the cause(s) of the impairment.

Sublist 5. The water quality standard is not attained. The waterway is impaired or threatened for one or more designated uses by a pollutant(s), and requires a TMDL. This sublist constitutes the Section 303(d) list of waters impaired or threatened by a pollutant(s) for which one or more TMDL(s) are needed. A waterway should be listed in this sublist if it is determined, in accordance with the state's assessment and listing methodology, that a pollutant has caused, is suspected of causing, or is projected to cause an impairment. Where more than one pollutant is associated with the impairment of a single waterway, the waterway will remain in Sublist 5 until TMDLs for all pollutants have been completed and approved by EPA.

The NJ Department of Environmental Protection (DEP) elected to develop an Integrated Report for New Jersey beginning with the 2002 reporting cycle because this approach offers several improvements over the traditionally separate Water Quality Inventory and Impaired Waterbodies List Reports.

The Integrated Report streamlined water quality reporting since data sources and assessment methods are the same in both CWA reporting requirements. However, these changes have also brought new challenges. For example, under USEPA guidance (USEPA, 2001), recommends that a waterbody be included in only one of the 5 sublists (i.e., the sublist that conveys the highest degree of impairment) as a result of the integrated assessment. Thus, if a waterbody meets all applicable surface water quality standards except fecal coliform, the waterbody would be included only in Sublist 5 - *"Water quality standard is not attained and a TMDL is required"* - until the fecal coliform TMDL is completed, even though all other water quality standards are met. Since this approach may result in an overly negative evaluation of overall water quality and mask those uses for which waterbodies are in full support of, **the Department found it necessary to modify the listing methods and has chosen to develop the Integrated List by**

waterbody/parameter, not just by waterbody. This will enable the Department to present each parameter for each waterbody in the appropriate sublist. This results in the possibility of a waterbody being placed on multiple sublists. This also has resulted in the elimination of sublist 2 since a parameter is placed either on sublist 1 (full attainment) or sublist 3 (insufficient data).

The Integrated Report combines the non-regulatory requirements of the Water Quality Inventory Report [305(b) Report] with regulation driven List of Impaired Waterbodies [303(d) List] (i.e., only the latter mandates TMDL development). Successful merging into a single report required a thorough and accurate integration of requirements and procedures. In general, sublist 5 of the Integrated List meets USEPA reporting requirements under Section 303(d) (Impaired Waterbodies), and the remaining sublists document assessments under Section 305(b) (Water Quality Inventory). Therefore, the regulatory requirements (i.e., EPA approval and adoption; public participation, etc.) for 303(d) impaired waterbodies listing only apply to sublist 5 of the Integrated List.

Integrated Water Quality Monitoring and Assessment Methods

The methods used to develop the 2002 Integrated Report (and subsequent Reports) are described in the document entitled *Integrated Water Quality Monitoring and Assessment Methods* (Methods Document) (NJDEP, 2002). The goal of this Methods Document is to provide an objective and scientifically sound waterbody assessment methodology including:

- A description of the data that NJDEP will use to assess attainment of surface water quality standards;
- The quality assurance aspects of the data;
- A detailed description of the methods used to evaluate water quality standards attainment;
- The placement of waterbodies within the five sublists.

This Methods Document is a companion to the 2002 Integrated Report. It was developed with public input and will be an evolving document and will be modified, as appropriate, to accompany subsequent Integrated Reports.

Integrated Report Package

Along with the 2002 Integrated List, there are four other documents that support and explain the development of the Integrated Report. The five components of New Jersey's Integrated Report Package are as follows:

- A front-end report entitled *New Jersey 2002 Integrated Water Quality Monitoring and Assessment Report*, summarizing the contents of the integrated list as it applies to designated use attainment statewide within New Jersey. This is the document you are currently reading.
- The Integrated List itself, comprised of sublists 1-5 and priority ranking (Appendix I).
- A document entitled *Integrated Water Quality Monitoring and Assessment Methods* (Methods Document), detailing DEP's assessment methods as applied to the Integrated List

and discussed above. This represents the “documented methodology” referred to in this introduction.

- A *Comparison Document* indicating where waters previously listed on the 1998 303(d) List currently are listed within the 2002 Integrated List.
- A *Response to Comments Document* containing all DEP responses to public and EPA comments on the Methods Document and Integrated List as mandated by the public process.

The 2002 Integrated List and the Public Process

The Department began developing the 2002 Integrated List in May of 2001 by soliciting water quality data through the New Jersey Register, conducting mass mailings (to permittees, environmental organizations and individuals in academia) and posting requests for information on the NJDEP website. This was followed one year later (May 17, 2002) with a public information session explaining the Integrated List and the assessment methodologies employed in its development. On May 20, the Department officially provided notice to the public via the New Jersey Register on the Integrated Water Quality Monitoring and Assessment Methods and the 2002 Integrated List (Sublists 1-5). The printing of the Public Notice began a 45-day comment period that ended on July 8. A public hearing was held in Trenton on June 21.

Because some amendments were made in the list during the initial comment period, the package was renoticed on August 5 for an additional 30-day comment period closing on September 4. A summary of the public process is listed below.

Summary of the Public Process for the 2002 New Jersey Integrated List

2001

May 21 Solicitation of water quality related data to support the development of the Integrated List via the New Jersey Register (NJR), mass mailing and NJDEP website

2002

May 17 Public Information Sessions

May 20 Public Notice of Methods and Integrated List in the NJR and web site followed by a newspaper notice. Beginning of 45-day comment period.

June 21 Public Hearing at DEP in Trenton

July 8 End of Comment Period

August 5 Public Notice of amended proposed 2002 Integrated List of Waterbodies (including a priority ranking of impaired waterbodies and at two-year TMDL schedule) and amended Sections 4.2 and 8 of the Methods Document. Start of 30-day comment period.

September 4 Close of comment period.

Sublist 5 of the 2002 Integrated List (New Jersey’s 2002 list of water quality limited waterbodies 303(d))

In accordance with the Federal Clean Water Act, NJDEP prepared New Jersey’s 2002 list of water quality limited waterbodies (**sublist 5 of the Integrated List**). This list is required by

section 303(d)(1)(A) of the Federal Clean Water Act, and is a component of the Statewide Water Quality Management Plan, as required by the Water Quality Management Planning Rules at N.J.A.C. 7:15-2.1(a)8ii and 7:15-6. This list is adopted as an amendment to the Statewide Water Quality Management Plan.

Section 303(d) of the Federal Clean Water Act requires states to identify waters that are not attaining water quality standards, despite the implementation of technology based effluent limits. States must prioritize these waters for Total Maximum Daily Loads (TMDL) and are also required to identify those high priority waterbodies for which they anticipate establishing a TMDL in the next two years. New Jersey has fulfilled this requirement by listing all waterbodies on sublist 5 of the Integrated List based on 1) observed or expected violations of water quality criteria and 2) where designated uses are impaired or believed to be impaired but do not necessarily have criteria violations on record. This second category is illustrated by listings based upon macroinvertebrate assessments. The designated use (maintenance, migration and propagation of natural and established biota) is believed to be impaired, however, no specific chemical or physical pollutant violation has been identified.

Sublist 5 supercedes the 1998 303(d) List. The new sublist presents all water quality limited waters, prioritizes waterways with regard to scheduling for TMDLs, and includes waters for which TMDL development is occurring or will occur within two years. As stated previously, waterbodies listed on sublist 5 have confirmed violations of surface water quality standards or are suspected of having designated use impairments. Some waterbodies are listed based upon relatively recent data collection. It is important to note, however, that sublist 5 also contains waterbodies based upon assessment results from as far back as 1989 that are based upon conditions observed in the mid-1980s. Substantial efforts have been made by the Department to assess current status of many of these historical listings, especially those based upon metals. Significant progress has been made and every effort will be made to have future Integrated Lists reflect only current water quality conditions.

New Jersey Water Quality and Designated Use Support Summary

This is a summary of the contents of the *New Jersey 2002 Integrated Water Quality Monitoring and Assessment Report* (Integrated Report) as it applies to designated use attainment statewide. The Integrated Report describes attainment of designated uses specified in New Jersey's Surface Water Quality Standards (SWQS) which includes: aquatic life, recreation, drinking water, fish and shellfish consumption, industrial and agricultural. In addition, ongoing and planned strategies to maintain and improve water quality are described, as well as, recommendations and strategies to improve overall water quality statewide. The status of sites listed on the 1998 303(d) List are updated with their current status on the 2002 Integrated List described.

Companion Water Quality Inventory Reports for neighboring Interstate Waters are prepared by and are available from:

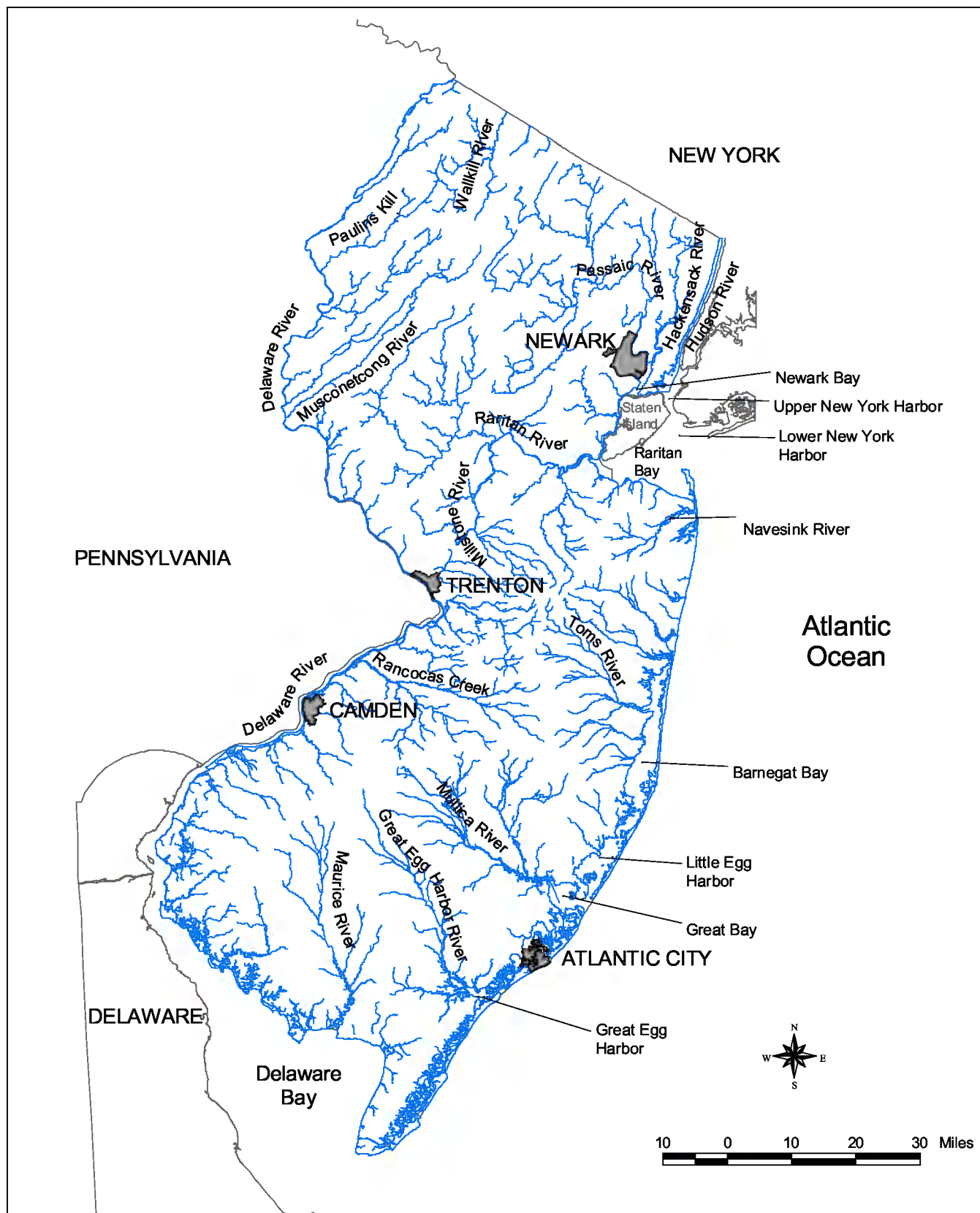
- The Delaware River Basin Commission, PO Box 7360, West Trenton, NJ 08628-0360 [tel. (609) 883-9500]. The Commission assesses the Delaware River and Delaware Bay.
- The Interstate Environmental Commission, 311 West 43rd St, New York, NY 10036 [tel. (212) 582-0380]. The Commission assesses the shared waters of New York – New Jersey

Harbor including the Lower Hudson River, Upper and Lower New York Bay, Kill Van Kull, Arthur Kill, Upper Raritan Bay, Newark Bay. The Commission also assesses waters shared between New York and Connecticut.

Comments and questions regarding this report can be provided to Mr. Kevin Berry at the address below:

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Figure I-1 New Jersey Geography



Data Solicitation

The Department made a concerted attempt to locate and analyze all relevant information in developing the Integrated List. Given the importance and long-term ramifications of a waterbody being placed on the 303(d) list, data which meet the minimum QA/QC requirements must be used. It is the intention of the Department, that through the efforts of providing a detailed Methods Document, that data that meet the QA/QC requirements will be even more readily available in the future.

In preparation for the 2002 Integrated List, the Department solicited data and information from the public for use in developing the List. This was the first time the Department solicited data from the public for this use. Current adopted State and Federal Rules do not require public solicitation of data, however, USEPA is in the process of revising their regulations regarding the development of impaired waterbodies lists to include the solicitation of data as part of the public process. The solicitation was published in the New Jersey Register (NJR), the DEP Bulletin, and on the NJDEP website. A Groupwise Postmaster notice was also used to solicit data from other NJDEP programs. Data were accepted for a period of 6 months.

Quality assurance considerations are particularly important because the adopted sublist 5 of the Integrated List is used to establish priorities for water quality improvement measures, including, TMDL development. Given the importance of sublist 5, the Department must use data which meet the quality assurance requirements outlined in Section 3.

The Department developed the Integrated List using appropriate, readily available data collected by government and non-government entities. In determining which data were appropriate and readily available, the Department considered quality assurance/ quality control, monitoring design, data age, accuracy of sampling location information, data documentation, and use of electronic format for data. It was recommended that a data package should include:

- 1) A completed QA/QC project plan. It is recognized that some stakeholder water quality data collected to date may not have been collected under a QA/QC project plan "approved" by the Department. This data will be considered, for this solicitation only, which do not have a previously approved QA/QC project plan if the data were collected in accordance with a QA/QC program acceptable to the Department;
- 2) Data provided in electronic format, preferably STORET. Data may also be provided in Excel, Access, or a compatible format on floppy disc, ZIP drive or CD ROM. Station location data should be provided in ArcView, ArcInfo, or compatible format when possible, or mapped on a USGS Quadrangle Sheet; and,
- 3) A citable report that includes name address, and telephone number of the entity that generated the data set.

The Department received data from public and private sources as identified in Table 1-1 below. If the data was not used, the rational as to why is noted in the comment column.

Table I-1. Stakeholder Data

Submitted By	<u>General Location</u>	<u>Data Type</u>	Parameter	Comment
Pequannock River Coalition	Pequannock River and tribs.	Water Chemistry	Temperature	Used in Assessment
Hudson County Health Dept.	Hudson River, Newark Bay	Water Chemistry	Fecal Coliform	Used in Assessment
Monmouth County Health Department	Multiple streams within Monmouth County	Water Chemistry and Biological	Fecal Coliform, NH3, Phos., TSS, and pH	Used in Assessment
Interstate Environmental Commission	NY/NJ Harbor Estuary	Water Chemistry	Fecal Coliform; DO	Used in Assessment
Pinelands Commission	Pinelands Area	Water Chemistry	Conventionals	Used in Assessment
Helen Arvin	Cooper River headwaters	Fish Tissue	Mercury	Department had used this data and issued fish consumption warnings for these private lakes.
John Kraeuter	Delaware Bay	Biological	Oyster Spat count	Information not applicable to the Integrated List's assessment methods
Gregory White	Wanaque River	Water Quality Model	DO, unionized ammonia, T phosph., TDS, CPO, nitrate	Received late. Data are being assessed for next listing cycle as per NJR
PVSC	Lower Passaic River	Water Chemistry	DO	Incomplete data package. No QA/QC plan. Data similar to other data and would not alter the assessments.

Executive Summary and Major Findings

Section 305(b) of the Federal Clean Water Act requires states to report on the status of water quality in their principal waters in terms of overall water quality and the support of designated uses. States must report on strategies to maintain and improve water quality.

Section 303(d) of the Federal Clean Water Act requires states to identify waters that are not attaining water quality standards, despite the implementation of technology-based effluent limits. States must prioritize these waters for Total Maximum Daily Load (TMDL) analyses. States are also to identify those high priority waterbodies for which they anticipate establishing TMDLs in the next two years.

Beginning with the 2002 reporting cycle, New Jersey under USEPA's guidance has integrated the reporting requirement of Clean Water Act section 305(b) and section 303(d) into a single product which is termed an *Integrated Water Quality Monitoring and Assessment Report*. This combined report presents the extent to which waters of the State are attaining water quality standards (the 305(b) portion of the effort) and identifies waters that are impaired and need TMDLs as required under section 303(d) of the Act. The report also identifies waters that are being removed from the 303(d) List because they are attaining water quality standards.

The integrated listing is based upon placing a state's waterbodies into one of five possible categories or lists (New Jersey terms them sublists) based upon 1) the degree of support of designated uses, 2) how much is known about the waterway's water quality status and 3) the type of impairment preventing use support. Each sublist is described below as per EPA's guidance:

Sublist 1. Attaining the water quality standard and no use is **threatened** (threatened defined as currently supporting uses but information suggests that uses will not be met within the next two years).

Sublist 2. Attaining some of the designated uses; no use is threatened; and insufficient or no data and information is available to determine if the remaining uses are attained or threatened.

Sublist 3. Insufficient or no data and information to determine if any designated use is attained.

Sublist 4. Impaired or threatened for one or more designated uses but does not require the development of a TMDL.

4A. TMDL has been completed.

4B. Other pollution control requirements are reasonably expected to result in the attainment of the water quality standard in the near future.

4C. Impairment is not caused by a pollutant.

Sublist 5. The water quality standard is not attained. The waterway is impaired or threatened for one or more designated uses by a pollutant(s), and requires a TMDL. This sublist constitutes the Section 303(d) list of waters impaired or threatened by a pollutant(s) for which one or more TMDL(s) are needed. This sublist constitutes New Jersey's 303(d) List.

Note that **sublists 1 and 2 have been combined** in New Jersey's Integrated List. Sublist 2 is no longer applicable since the Integrated List includes the status of all parameters and their sites.

The New Jersey's Integrated Report Package is comprised of five components:

- ◆ A front-end report entitled *New Jersey 2002 Integrated Water Quality Monitoring and Assessment Report*, summarizing the contents of the integrated list as it applies to designated use attainment statewide within New Jersey.
- ◆ The Integrated List, comprised of sublists 1-5 and priority ranking (Appendix II).
- ◆ A document entitled *Integrated Water Quality Monitoring and Assessment Methods* (Methods Document), detailing DEP's assessment methods as applied to the Integrated List.
- ◆ A *Comparison Document* indicating where waters previously listed on the 1998 303(d) List currently are listed within the 2002 Integrated List.
- ◆ A *Response to Comments Document* containing all DEP responses to public and EPA comments on the Methods Document and Integrated List as mandated by the public process.

PART II

New Jersey is the fifth smallest state in the nation and contains a wide variety of land use types, water resources, geologic characteristics, and natural biota and fauna. Within the state's 7,788 square miles are:

- ◆ 7,840 miles of rivers and streams including 6,330 miles of non-tidal rivers and 1,510 miles of tidal rivers;
- ◆ 109 square miles (69,920 acres) of lakes and ponds larger than 2 acres;
- ◆ 1,061 square miles of estuarine and ocean waters and;
- ◆ 1,482 square miles of fresh and saline marshes and wetlands

PART III

Chapter 1: Spatial Extent and Comprehensive Assessment

The U.S. Environmental Protection Agency (EPA) guidance (USEPA, 2002) recommends that each assessment of sampled data be applied to a waterbody with a specific spatial extent (e.g., stream miles, lake, estuary and ocean acres). NJDEP revised and improved its assessment methods in 2002 which included the development of a new method to determine spatial extent of the monitoring networks. Spatial extent is associating a single sampling point to a waterbody such as river stretches and applying the assessment results to this waterbody. The goal in developing the new spatial extent approach was to improve estimates of assigning waterbodies to monitoring stations by maximizing the use of monitoring data without overestimating spatial extent. The results of the spatial extent method is the following comprehensive assessment of the state's waterbodies based upon water quality data collected between 1996 and 2000.

- ◆ A total of 3,625 non-tidal river miles were assessed accounting for 55% of the total non-tidal river miles in the state.
- ◆ In tidal areas, 1,165 river miles were assessed accounting for 77% of tidal rivers, and 100% of estuaries, bays, and ocean waters were assessed for at least one designated use.
- ◆ In contrast to other waterbody types, limited progress has been made in the comprehensive assessment of lakes. Only 371 of 3,278 lakes larger than 2 acres were assessed.

Chapter 2: Conventional Water Quality

There are 7,840 miles of rivers and streams in addition to 675 miles of canals in New Jersey. New Jersey's rivers are used for multiple purposes such as water supplies for drinking water, industry and agriculture, trout and warm-water fisheries, aquatic resources, recreation (e.g., boating, swimming), and wastewater disposal.

Non-Tidal Rivers

- ◆ Approximately 430 stations representing 2,308 river miles were assessed using data collected between 1996 and 2000 for at least one of the following parameters; total phosphorus, pH, dissolved oxygen, temperature, fecal coliform, nitrate, total suspended solids, total dissolved solids, unionized ammonia, and metals.
- ◆ Of the 2,308 assessed river miles, 1,913 river miles (83%) did not meet the SWQS for at least one parameter. The conventional parameters of most concern in the state are fecal coliform, total phosphorus, pH and metals. The Department has selected fecal coliform, which comprises over 35% of all conventional exceedances, as a priority for TMDL implementation.
- ◆ A total of 85 individual conventional listings from 103 sampling sites were delisted from the 1998 303(d) List after new data confirmed that conditions met the SWQS. This represents 28% of the conventional listings on the 1998 303(d) List. 149 listings were re-assessed and found to continue to have exceedances of the standards, and 63 listings were carried over from the 1998 303(d) List due to no new data available or insufficient data to make a new assessment.
- ◆ Overall results indicate that dissolved oxygen levels in the state are relatively healthy. The assessment of newer data shows that only 3 of 238 sites (1%) are not attaining dissolved oxygen criteria. This represents only 44 river miles not attaining standards for dissolved oxygen in the state.
- ◆ Temperature results indicate 87% of the sites fully attain standards and 13% of the sites exceed the standards. All sites with exceedances for temperature were either trout production or trout maintenance waters, whereas streams classified as non trout or Pineland waters fully attained standards for temperature throughout the state.
- ◆ Prior to upgrades and regionalization of sewage treatment plants, ammonia exceedances were common in streams receiving effluent. Since then, the improvement of unionized ammonia concentrations in water quality statewide has been dramatic. Of the 241 stations assessed, all are fully attaining the SWQS criteria. The only two stations on sublist 5 were carried over from the 1998 303(d) List due to no new data collected at these sites.
- ◆ A total of 257 stations representing 2,179 river miles were assessed for total phosphorus. The average TP for all sites was 0.1 mg/l. The assessment results show that almost half of the stations do not meet TP standards (45% non attaining, 55% attaining).
- ◆ Observations revealed that 20 stations with low pH exceedances were located in areas directly surrounding the Pinelands yet are classified as FW-2 and not PL waters within the SWQS. These areas are characterized as having environmental conditions such as soils, geology, and vegetation very similar to the Pinelands, therefore, there is speculation that the low pH at these sampling sites may be attributable to natural conditions. Further approaches should be studied to determine if a change to the SWQS for pH to reflect natural conditions will be developed for the waterways surrounding the Pinelands.

- ◆ For total suspended solids (TSS), fully attaining sites comprise over 94% of the assessed sites, while only 6% exceed the standards for TSS. TSS exceedances most commonly occur during high flows when erosion of streambanks and soils in runoff contribute to elevated TSS levels. This is evident at the 10 sites exceeding TSS criteria experiencing a majority of their exceedances during high flows. Consequently, stations with very little high flow data available may be masking their TSS exceedances.
- ◆ Over 98% of the stations fully met the standards for TDS.
- ◆ As a result of new data collection, a total of 142 individual metal were delisted from the 1998 303(d) List after new data confirmed that conditions met the SWQS. This represents 43% of the metal listings on the 1998 303(d) List. Thirty-five metal listings were found to continue to have exceedances of metal standards, and 152 listing were carried over from the 1998 303(d) List due to no new data available or data was insufficient to make a new assessment.

Tidal Rivers and Coastal Waters

- ◆ Seventeen sites representing 179 river miles were assessed for metals in tidal rivers. Of the 91 individual metal listings on the 1998 303(d) List, 40 metals (44%) were delisted from the 17 assessed sites. Aside from these delistings, all 179 river miles still had at least one metal on sublist 5.
- ◆ Of the 1,061 square miles of coastal waters (estuary and ocean), only 68 square miles were assessed for metals; i.e. waters contained within the NY-NJ Harbor and Toms River Estuary. The harbor, with the exception of Raritan Bay, met standards for metals except for mercury (Raritan Bay, met all criteria). For other toxic substances including PCB, dioxin, PAH, and pesticides, the Harbor waters (including Raritan Bay) continued to be listed on sublist 5. Toms River Estuary did not have sufficient data to update its metal assessments.

Chapter 3: Designated Use Assessment

Rivers (non-tidal)

- ◆ Approximately 2,063 river miles represented by 271 monitoring stations were assessed for recreational designated use attainment. Only 22% of the assessed sites were fully attaining and 78% did not meet the standards for recreational activity.
- ◆ All current drinking supply waters fully meet designated uses, while over 98% of the other waters (i.e. waters designated for water supply but not in current use for this purpose) meet criteria for nitrate, which was used as an indicator for drinking water designated uses.
- ◆ All waters meet the designated use for agriculture.
- ◆ Although 27% of the sites exhibit water quality violations for pH and or total suspended solids, both being indicators for industrial designated uses, there are no areas in the state where a water supply is confirmed to be unsuitable for industrial use.

NJDEP evaluated aquatic life designated use support in non-tidal rivers and streams using benthic macroinvertebrates between 1997 and 2001. New Jersey assessed 921 locations statewide for the 2002 Integrated List. Results are as follows.

- ◆ A subtotal of 348 benthic macroinvertebrate sites were placed on sublist 3 based upon protocols developed by an Interagency Workgroup because they were deemed to be unique sites requiring additional or alternative assessment.

- Out of the remaining 573 stations sampled statewide during the most recent sampling (1997-2001); 223 stations were rated as non-impaired and listed on sublist 1, 348 stations were rated as in nonsupport of the designated use and assigned to sublist 5. Of this total on sublist 5; (76 stations) were assessed as severely impaired and 242 were assessed as moderately impaired.
- When translated into river miles the results are as follows: of a total of 2462 miles assessed; 683 miles (28%) fully support the use, 964 miles (39%) represent insufficient data (sublist 3) and 815 miles (33%) do not support the use (sublist 5).

Evaluating the second round data against the first round assessments would be difficult due the large number of sites which have been assigned to Sublist 3 (insufficient data) in the 2002 Integrated List. In a sense the 1998 network and the network as assessed here are very different monitoring networks. The best comparison would be to enumerate the number of sites listed in the New Jersey 1998 303(d) list which have been delisted and moved to Sublist 1 (sites now in full attainment). Of a total of 590 AMNET sites originally listed in 1998, sixty-nine were assessed in 2002 as fully supporting the use and delisted (moved to Sublist 1) (see Table 3.1a-2). Two hundred and fifty-six sites are still assessed as being in non-support and remain on Sublist 5 of the 2002 List.

Of significance are 235 sites present on the 1998 303(d) List assessed in 2002 as being in need of additional evaluation (sublist 3) due to their locations in relation to the Pinelands or headwater locations, etc. These sites were delisted from sublist 5 (the 303(d) list) and will need to be reassessed using methods calibrated for the special conditions represented by these locations. Also, 26 sites listed on the 1998 List were found to be located at or beyond the head of tide and are not assessed in 2002 as the current assessment methods are inappropriate for tidal conditions. These locations are also delisted from sublist 5 (the 303(d) list) and are regarded as “unassessed.” Four sites from the 1998 List could not be located in the AMNET database and are believed to represent transcription errors in the 1998 List.

Research by the USGS in New Jersey has indicated that hydrologic instability, substrate quality, the density and percent of impervious surface cover in the upstream watershed and total annual flow of municipal effluent were important factors that contribute to benthic impairment.

Tidal Rivers

Of the 95 miles of tidal rivers assessed for support of Aquatic Life Use support using dissolved oxygen measurements, 76 miles (80%) were assessed to be in full attainment, 19 miles were in non attainment (20%). Areas of non-support included tidal portions of the Shark River and Jumping Brook, tidal Patcong Creek and the Middle River within the Great Egg Harbor River watershed, and the lower tidal portions of the Maurice River.

Of the 97 miles of tidal rivers assessed for support of recreational uses based upon sanitary quality, 53 miles (55%) were assessed to be in full attainment, 44 miles were in non attainment (45%). Areas of non-support included Matawan, Waackaack, Chingarora and Luppataatong Creeks, all tributaries to the Raritan Bay; and the lower Maurice River.

Lakes

There are approximately 3,278 lakes, reservoirs and ponds over 2 acres in New Jersey, but of these, only about 60 are natural. The remainder are constructed impoundments. There are 380 public lakes (24,000 acres) and 64 reservoirs. Uses of New Jersey's lakes, reservoirs, and ponds vary and can include potable water supply, water storage, recreational boating, fishing and swimming. These waterbodies also provide habitat for a variety of aquatic life and wildlife.

The **aquatic life use support assessment for lakes** was based upon warm water fishery assessments supplied by the Department's Bureau of Freshwater Fisheries. Of the 40 lakes described by Fish and Wildlife totaling 11,861 acres; 34 lakes fully support the use, one lake is fully supporting but threatened, 4 lakes partially support the use and one lake does not support the use.

Lake bathing beaches are monitored for sanitary quality by county and local health departments with oversight and program coordination from New Jersey Department of Health and Senior Services (NJDHSS). NJDEP's Cooperative Coastal Monitoring Program compiles NJDHSS data so that a more comprehensive picture of the quality of all NJ bathing beaches can be provided.

Lakes Recreational Designated Use Assessment Results are as follows. Of a total of 271 lakes assessed and reported to the NJDHSS, 197 (73%) lakes provided bathing beaches of excellent recreational swimming quality (full attainment of the use). Seventy-two lakes (26%) showed non-attainment of the primary contact use based upon the sanitary quality of their bathing beaches. Two lakes (1%) were listed on Sublist 3 due to insufficient data needed to make an assessment (beach was either closed or data were not provided). Results for individual lakes are provided in Integrated List Tables.

Of 117 public lakes assessed by the Clean Lakes Program for **trophic status**, 115 are located on the Department's GIS system. Of these 115 lakes, 4 lakes (249 acres) were assessed as mesotrophic and assigned to sublist 1 (fully supporting uses). The remaining 111 lakes were assessed as eutrophic. Of these, 61 are assigned to sublist 3 (insufficient data) because their use support status is unclear, 3 are on sublist 4 because they have had TMDLs completed, and the remaining 47 are on sublist 5 (TMDL List) because of a nonsupport of recreational uses due to excessive algae.

Many of the lakes in New Jersey are constructed impoundments which are highly prone to **eutrophication**. Eutrophication occurs naturally as lakes age, however, this process can be accelerated from excessive inputs of nutrients and suspended sediments from the surrounding watersheds. Eutrophic lakes are characterized by excessive growth of aquatic weeds and algae, shallow depths as sediments fill the lake in, elevated temperatures, and low dissolved oxygen. The excessive algal growth, be it planktonic or rooted, often create aesthetically unpleasant conditions for swimming and difficult conditions for boating.

Estuary and Coastal Waters

The Department currently assesses the condition of the coastal marine biota to assess the Aquatic Life Designated Use in these waters by indirect methods, that is, by using dissolved oxygen (DO) measurements. Of the 258 square miles of **open estuarine waters** assessed from southern Raritan Bay south to Cape May, 67% had sufficient dissolved oxygen levels to support a healthy biota. The remaining 33% were assessed as being in non attainment due to periodic drops in DO levels to unacceptable levels. Locations where DO violations were observed centered around the Shark and Lower Manasquan Rivers, Great Bay, Absecon and Lakes Bay, Sculls Bay, and Great Egg Harbor Inlet.

Factors contributing to low dissolved oxygen concentrations in New Jersey estuaries are both natural and anthropogenic. Estuarine DO levels are characteristically lowest in summer, when water is warm and biological activity is at its highest. Many of the estuaries along the New Jersey coast are shallow waterbodies, often with poor mixing which contributes to the warming of the waters in summer that in turn contribute to low oxygen levels. An additional contributing factor to low DO is input-of naturally oxygen depleted waters from adjacent wetlands especially during ebb tides.

Of 454 square miles of **ocean** water assessed (Sandy Hook south to Cape May and 3 nautical miles off the coast) 30 percent (136 sq. mi.) fully support (Sublist 1) the Aquatic Life Use and the remaining 70 percent (318 sq. mi.) are in nonattainment (Sublist 5) due to a benthic low DO cell which forms off the coast during the summer months and breaks up in the fall. The areas of full support are centered approximately one mile off the coast from Barnegat Inlet, Absecon Inlet and a three mile eastward transect just above Hereford Inlet.

It is important to note that the biological impacts on the ocean floor are not known: DO concentrations provide a surrogate indicator of aquatic life designated use attainment and do not provide an assessment of actual biological conditions. In open waters, fish can avoid areas with low DO, and many crustaceans and other benthic inhabitants are naturally tolerant of temporary low DO conditions. The Department does not have data to characterize the status of the benthic community in these waters, therefore, the significance of temporary DO conditions below 5 mg/l to aquatic life uses is unclear.

Occurrences of low DO in the ocean have been attributed to a combination of natural processes and anthropogenic inputs of nutrients. Ocean waters naturally stratify as they warm in the summer. As phytoplankton bloom and die during the summer, natural biological activity decomposes the algae which in turn reduces DO levels near the ocean floor.

The National Shellfish Sanitation Program (NSSP) collects data on the levels of total coliform in shellfish and **waters that are harvested for shellfish**. The Department monitors the sanitary quality of estuarine and ocean waters by observing measurements of coliform bacterial concentrations (indicators of the presence of pathogens) in the water column and uses the results to classify bay, estuarine and ocean waters for shellfish harvesting. The data are analyzed for compliance with federal standards.

New Jersey has been a national leader in maintaining and enhancing waters available for shellfish harvest. The shellfish waters that support harvesting have increased from 75% in 1977, to 87% in 1998 and 88% in 2000.

In estuarine waters; marinas, boating, urban runoff and stormwater were identified as major contributing factors impacting on shellfish. In Offshore/Ocean waters, direct discharges from ocean outfalls may present localized impacts and nonpoint source/urban runoff continues to have a negative impact.

The Barnegat Bay – Little Egg Harbor Estuary, long recognized for its outstanding aesthetic, economic, and recreational value, is now affected by an array of human impacts that potentially threaten its ecological integrity. The development accompanying the increasing population growth has resulted in land use changing from principally undeveloped and agricultural to suburban. The magnitude and intensity of different land uses in the Barnegat Bay watershed are having significant, and often degrading effects. Development also impacts the estuary's fisheries and other biological resources through nonpoint source pollution and habitat loss.

Planktonic single celled algae are abundant in the coastal waters of New Jersey. Concerns are sometimes raised when populations of some algal species grow very quickly and undergo a "bloom". **Of the many forms of algae** present in New Jersey waters, **two are currently of concern to the Department** due to their potential to harm local fish, shellfish and sea grass populations; one is *Aureococcus anophagefferens*, a minute brown alga, which is responsible for "brown tide blooms" that may be ecologically harmful but not harmful to human health. The other is the non-photosynthetic dinoflagellate *Pfiesteria*, which has negative impacts to fish health.

Chapter 4

Fish Consumption Advisories

Important commercial and recreational species can be safely eaten by anyone, including summer and winter flounder, weakfish, smallmouth bass, perch, carp, etc. For other species, New Jersey along with many other states have developed fish consumption advisories that apply to specific species, generally in specific areas. Fish consumption advisories generally limit frequency of consumption.

The Department has issued statewide advisories for American eel, bluefish, striped bass, and American lobster for PCB contamination. Additional advisories in certain areas have been issued for white perch and white catfish for PCBs and blue crabs and shellfish for PCBs and/or dioxin. Table 4.1.1 lists the additional advisories for specific waterbodies. The Department has also issued mercury advisories in freshwater for largemouth bass and chain pickerel. The exceptions include, but are not limited to: Assunpink Creek, Big Timber Creek, Lake Hopatcong, and Cranberry Lake. The complete list of exceptions to this advisory are noted in Table 4.1.2.

The Department convened its first **Mercury Task Force** in 1993 that recommended stringent reductions in mercury emissions from municipal solid waste incinerators. These were subsequently implemented by NJDEP and resulted in a 90 percent reduction from this source

category. The Department subsequently convened a second Mercury Task Force in 1998 triggered by a concern that additional significant sources of environmental mercury still existed, and that energy deregulation could increase the mercury emissions from Midwestern power plants potentially resulting in increased mercury deposition in New Jersey.

The task force report indicates that air deposition (wet and dry) is the most significant source of environmental mercury followed by water born sources such as point source discharges of wastewater, nonpoint sources such as septic tank leachate, and sludge application.

The 1998 Task Force reviewed all local and regional mercury sources and advocated a long range goal of the virtual elimination of anthropogenic sources of mercury through a range of recommendations, both enforceable and voluntary. New Jersey expects the implementation of these recommendations will make large contributions to reducing mercury uses and emissions and this will in turn lead to reductions in mercury body burdens in fish.

New Jersey has placed waters with mercury-based fish advisories on sublist 5 with a low priority ranking. The Department will wait for an EPA-sponsored national mercury policy before reconsidering its listing policy regarding mercury advisories and their placement on the Integrated List.

New York/New Jersey Harbor Estuary

Overall, the harbor water quality from 1991 through 2001 has significantly improved from pre-1990 conditions. This is the result of:

- ◆ construction and upgrading of water pollution control plants;
- ◆ increased maintenance of the sewage system (including over 6,000 miles of sewer main);
- ◆ increased management of combined sewer overflows;
- ◆ the ongoing abatement of illegal discharges; and,
- ◆ an enhanced Industrial Pretreatment Program that controls commercial discharges by requiring targeted industries to treat and remove toxics from their wastewater.

The harbor area is primarily designated for secondary contact recreation (activities including boating and fishing where the probability of ingestion is minimal). In consideration of the recent data, the Department has delisted the harbor waters for fecal coliform, dissolved oxygen, and metals with the exception of mercury.

Part II: Background: New Jersey Water Resources

Part II: BACKGROUND

New Jersey Water Resources

New Jersey is the fifth smallest state in the nation and contains a wide variety of land use types, water resources, geologic characteristics, and natural biota and fauna. Within the state's 7,788 square miles are 127 miles of coastline; 7,840 miles of rivers and streams (based upon USEPA's River Reach File 3 (RF3) hydrology); and 109 square miles (69,920 acres) of lakes and ponds larger than 2 acres. In addition, there are 1,482 square miles of fresh and saline marshes and wetlands, and 1,069 square miles of coastal waters. A summary of the state's population and water resources is presented in Table II-2.1 below:

Table II-2.1: New Jersey Water Resources Atlas

<u>Resource</u>	<u>Extent</u>
State Population (2000)	8,414,350
State Surface Jurisdictional Area	8,919 sq. miles ¹
State Surface Area	7,788 sq. miles ²
Rivers and Streams	
Miles of rivers and streams (total)	7,840
Miles of nontidal rivers and streams	6,330
Miles of tidal river and streams	1,510
Miles of perennial rivers and streams (nontidal and tidal)	7,530
Miles of intermittent (non-perennial) streams (nontidal and tidal)	310
Miles of canals and ditches ³	675
Border miles shared rivers/streams (nontidal and tidal)	197
Lakes, Ponds and Reservoirs	
Number of lakes/reservoirs/ponds (2 acres and larger)	3,278
Acres of lakes/reservoirs/ponds (2 acres and larger)	69,920
Number of significant publicly owned lakes/reservoirs/ponds	380
Acres of significant publicly owned lakes/reservoirs/ponds	24,000
Estuaries and Ocean	
Square Miles of Estuaries/Harbors/Bays	615
Miles of Ocean Coast (linear miles)	127
Miles of Ocean Coast (sq. mi. of jurisdictional waters)	454
Wetlands	
Acres of Freshwater Wetlands	739,160
Acres of Tidal Wetlands	209,269
Notes:	
1 Includes coastal waters within New Jersey jurisdiction as shown on Figure II-2, based on the sum of 151 HUC-11 watersheds using 1986 Land Use/Land Cover GIS coverage.	
2 Excludes coastal waters within New Jersey jurisdiction as shown on Figure II-1, based on the sum of 5 Water Regions using 1986 Land Use/Land Cover GIS coverage.	
3 Not included in the total miles of rivers and streams	

It should be noted that the data provided in this report are different than data reported in the 2000 New Jersey Water Quality Inventory Report. Although the same computer based mapping system (GIS) was used to determine river miles, lake acreage, and estuarine areas; the data was reviewed and updated to more accurately reflect the state's hydrology. Non-tidal rivers were extensively edited, including reducing the number of canals and ditches by removing ditches in cranberry bogs. For estuarine waters, tidal rivers were not included in total area as in previous reports. In addition, the number of lakes and lake acreage was reduced by excluding municipal and industrial holding ponds, cranberry bogs, and merging lakes that shared the same name and were hydraulically connected.

The five Water Regions in the state are shown on Figure AII-1 in the Appendix. These include the Northwest (1,226 sq. miles), Lower Delaware (2,228 sq. miles), Northeast (953 sq. miles), Raritan (1,284 sq. miles) and Atlantic Coastal (2,877 sq. miles). Drainage areas include New Jersey portions only.

The 5 Water Regions have been divided into 20 Watershed Management Areas (WMA's) for Management purposes, as shown on Figure AII-1. Watershed Management Areas are comprised of 151 HUC-11 watersheds, which are shown on Figure AII-2. These 151 HUC-11 watersheds are part of a national system of watershed based hydrologic units (HUC's) developed by the United States Geological Survey, United States Soil Conservation Service and the US Environmental Protection Agency.

Figure II-1 New Jersey Watershed Management Areas and Regions

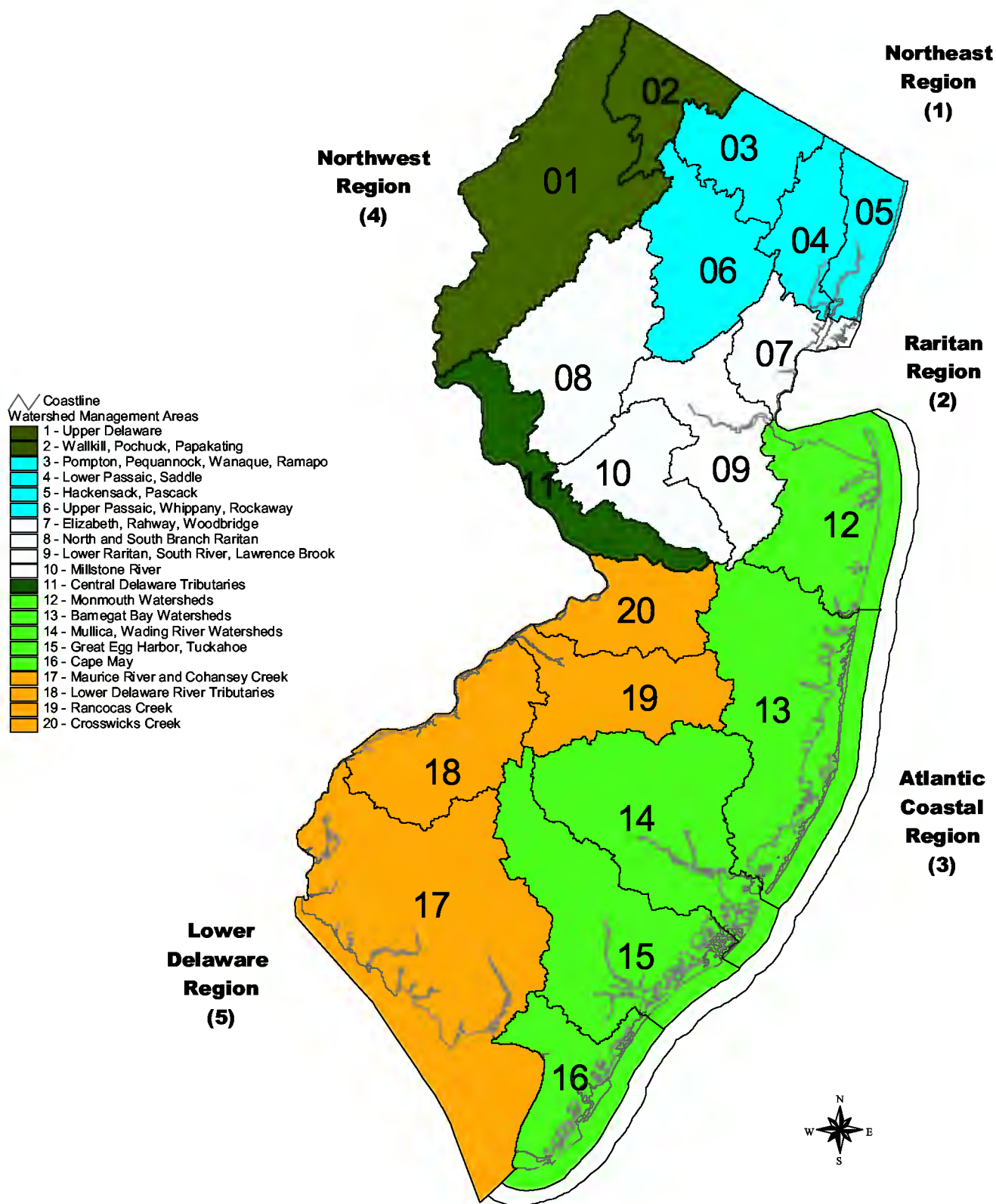
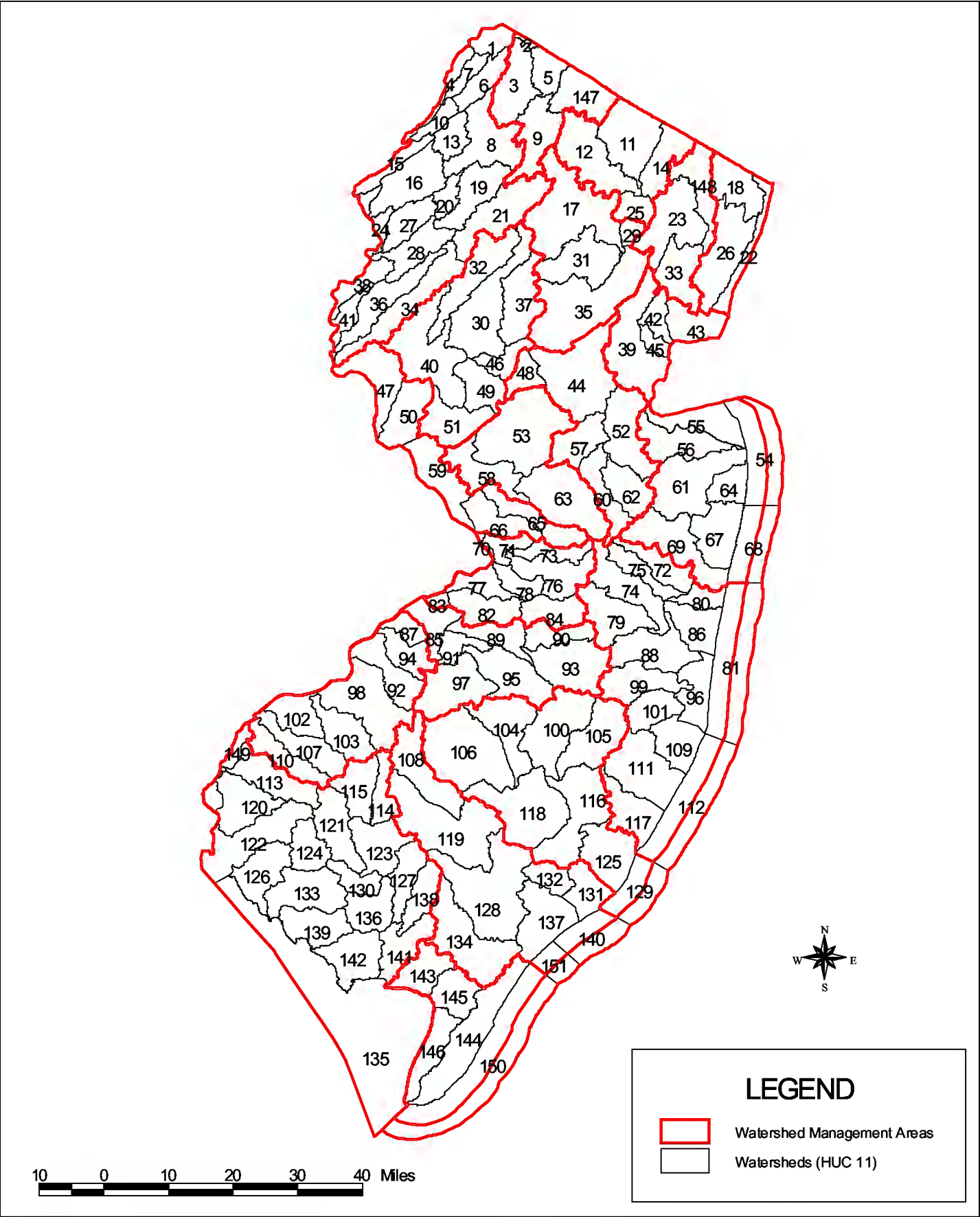


Figure II-2 New Jersey Watersheds (HUC 11)



Designated Use Summary Tables

River and Stream – Non Tidal

Individual Use Support Summary Table: River and Stream miles (National Uses)

Rivers and Streams Designated Use	Total Miles Assessed	Sublist 1		Sublist 3		Sublist 4		Sublist 5	
		monitored	estimated	monitored	estimated	monitored	estimated	monitored	estimated
Overall Use Support									
Aquatic Life Support ¹	2,462	639	44	964	0	0	0	731	84
Primary Contact Recreation ²	2,064	318	172	62	1	6	0	1,229	282
Agricultural Use ³	1,921	1,280	422	190	29	0	0	0	0
Industrial Use ⁴	2,148	909	366	265	7	0	0	491	110
Drinking Water	2,109	1,555	453	71	0	0	0	17	13
Fish Consumption	376	0	0	0	0	0	0	376	0

¹ - based upon assessments of benthic macroinvertebrate communities

² - based upon assessments of fecal coliform

³ - based upon assessments of total dissolved solids

⁴ - based upon assessments of pH and total suspended solids

River and Stream – Tidal

Individual Use Support Summary Table: River and Stream miles (National Uses)

Ocean Designated Use	Total Sq. Miles Assessed	Sublist 1		Sublist 3		Sublist 4		Sublist 5	
		monitored	estimated	monitored	estimated	monitored	estimated	monitored	estimated
Overall Use Support									
Aquatic Life Support ¹	95	76	0	0	0	0	0	19	0
Primary Contact Recreation ²	97	53	0	0	0	0	0	44	0
Fish Consumption	330	0	0	0	0	0	0	330	0
Shellfish Consumption	887	29	0	0	0	0	0	858	0

¹ - based upon assessments of dissolved oxygen

² - based upon assessments of fecal coliform

Lakes

Individual Use Support Summary Table: Lake Acres (National Uses)

Lake Designated Use	Total Acres Assessed	Sublist 1		Sublist 3		Sublist 4		Sublist 5	
		monitored	estimated	monitored	estimated	monitored	estimated	monitored	estimated
Overall Use Support									
Aquatic Life Support ¹	11,861	7,916	0	0	0	0	0	3,945	0
Primary Contact Recreation ²	18,638	15,148	0	17	0	0	0	3,473	0
Fish Consumption	14,570	0	0	0	0	0	0	14,570	0

¹ - Lakes in this category are assessed via the Bureau of Fresh Water Fisheries.

² - based on 271 of 318 lake bathing beaches that have been located on GIS. GPS locations of remaining lakes are being collected and will be available for a future report.

Estuaries

Individual Use Support Summary Table: Estuaries in Sq. Miles (National Uses)

Estuary Designated Use	Total Sq. Miles Assessed	Sublist 1		Sublist 3		Sublist 4		Sublist 5	
		monitored	estimated	monitored	estimated	monitored	estimated	monitored	estimated
Overall Use Support									
Aquatic Life Support ¹	258	173	0	0	0	0	0	85	0
Primary Contact Recreation ²	268	252	0	14	0	0	0	2	0
Fish Consumption	430	0	0	0	0	0	0	430	0
Shellfish Consumption ³	600	434	0	31	0	0	0	135	0

¹ - based upon assessments of dissolved oxygen levels

² - based upon assessments of fecal coliform

³ - These numbers reflect all waters located within New Jersey's jurisdiction including Delaware Bay, Sandy Hook Bay and Raritan Bay. The Interstate Environmental Commission (IEC) submits a 305(b) Report for interstate waters which includes parts of Raritan and Sandy Hook Bays and the 305(b) Report submitted by the Delaware River Basin Commission (DRBC) includes portions of Delaware Bay. NJ will work with EPA to identify NJ waters assessed by IEC and DRBC to eliminate double counting these waters in the national 305(b) Report.

Ocean

Individual Use Support Summary Table: Ocean in Sq. Miles (National Uses)

Ocean Designated Use	Total Sq. Miles Assessed	Sublist 1		Sublist 3		Sublist 4		Sublist 5	
		monitored	estimated	monitored	estimated	monitored	estimated	monitored	estimated
Overall Use Support									
Aquatic Life Support ¹	454	136	0	0	0	0	0	318	0
Primary Contact Recreation ²	446	446	0	0	0	0	0	0	0
Fish Consumption	185	0	0	0	0	0	0	185	0
Shellfish Consumption	453	393	0	0.25	0	0.2	0	60	0

¹ - based upon assessments of dissolved oxygen levels

² - based upon assessments of fecal coliform

Coastal Waters

Individual Use Support Summary Table: Coastal Waters in Sq. Miles ¹ (National Uses)

Coastal Waters Designated Use	Total Sq. Miles Assessed	Sublist 1		Sublist 3		Sublist 4		Sublist 5	
		monitored	estimated	monitored	estimated	monitored	estimated	monitored	estimated
Overall Use Support									
Aquatic Life Support ²	712	309	0	0	0	0	0	403	0
Primary Contact Recreation ³	714	698	0	14	0	0	0	2	0
Fish Consumption	615	0	0	0	0	0	0	615	0
Shellfish Consumption ⁴	1,053	827	0	31	0	0.2	0	195	0

¹ - this table provides a sum of Estuarine and Ocean Tables

² - based upon assessments of dissolved oxygen levels

³ - based upon assessments of fecal coliform

⁴ - These numbers reflect all waters located within New Jersey's jurisdiction including Delaware Bay, Sandy Hook Bay and Raritan Bay. The Interstate Environmental Commission (IEC) submits a 305(b) Report for interstate waters which includes parts of Raritan and Sandy Hook Bays and the 305(b) Report submitted by the Delaware River Basin Commission (DRBC) includes portions of Delaware Bay. NJ will work with EPA to identify NJ waters assessed by IEC and DRBC to eliminate double counting these waters in the national 305(b) Report.

Part III: Surface Water Assessment and Program Update

Part III: SURFACE WATER ASSESSMENTS AND PROGRAM UPDATES

Chapter 1: Spatial Extent and Comprehensive Assessment

The U.S. Environmental Protection Agency (EPA) guidance (USEPA 2002) recommends that each assessment of collected sampling data be applied to a waterbody with a specific spatial extent (e.g., stream miles, lake, estuary and ocean acres). Additionally, the National Academy of Sciences published a report to Congress that addressed the need for improved scientific basis for assessments completed by states for the 305(b) and 303(d) reports. In response, NJDEP revised and improved its assessment methods including the development of a new method to determine spatial extent of monitoring networks. Spatial assessment methods were first developed in the late 1990's that estimated the stream miles associated with each monitoring site, however, the methods had many limitations and the need for an improved scientific-based approach was clear.

Prior to the 2002 Integrated Report, the Department made two attempts to determine the spatial extent of assessed river reaches. Both of these efforts aimed to create simple, easy to apply methods due to limited personnel staffing and resources. The first approach assumed each sampling site represented 5 river miles, 2.5 miles upstream and 2.5 miles downstream of the monitoring site. This method was derived from EPA 305b guidance, but lacked any scientific basis in determining the spatial extent. Although this approach was easy to apply, the most obvious shortcoming was that each monitoring site was treated as the same when environmental conditions were unique to each site. The consequences included overestimating the spatial extent of aquatic life sites, and underestimating the spatial extent of chemical monitoring sites on larger rivers. Many aquatic life sites were overestimated by overlapping assessment areas caused by sites being located within 3 miles of each other. On the other hand, chemical sites were underestimated on larger rivers such as the Passaic and Raritan Rivers where sites represent river stretches longer than 5 miles. Additionally, no tributaries were associated with the sampling site although conditions could be similar.

To treat each site as having unique environmental conditions, the next spatial extent approach assigned each sampling site to the river segment in which it was located. These river segments were assigned using USEPA's Reach File 3 (RF3) hydrological map, a 1:100,000 hydrology Geographic Information System (GIS) coverage of the state. The delineation of the RF3 river segments is based on a change in hydrology such as a river confluence, a water impoundment (lake), or other significant hydrological change. The limitation to this approach was that the assessment length was very short for the monitoring sites. Many of the spatial extents were less than one mile and seemed to underestimate the assessment length for the majority of sites. The reason for the short segments was that very small tributaries (1st or 2nd order streams) were causing stream segments to be very short in many areas, although their impact on the mainstem could be negligible. In addition, tributaries were not associated with the sampling site as in the previous spatial extent method. The consequences resulted in only 176 of 7,800 river miles were assessed for chemical sites, while over \$1 million was spent on collecting data from the network.

The goal in developing the new spatial extent approach was to improve estimates of assigning waterbodies to monitoring stations by maximizing the use of monitoring data without overestimating spatial extent. The approach overcame the limitations of the previous attempts to determine assessment lengths by extending the size of the RF3 segments, avoiding the shortfalls of assigning a fixed assessment area for each site, including tributaries with similar water quality

conditions, while at the same time, preventing overestimating the spatial length of the assessments. The new method to estimate the spatial extent for each monitoring site in the NJDEP's biological and chemical networks is also applicable to other monitoring stations where data is collected. In addition to developing spatial extents for rivers, the Department applied new methods to determine spatial extent for lakes, estuaries, and ocean areas. See the Methods Document, Section 6, for the procedures to determine spatial extents.

The results of the new spatial extent method showed a total of 3,620 non-tidal river miles were assessed accounting for 55% of the total non-tidal river miles in the state (See Figure 1-1). The remaining 45% of the river miles had no data collected at their locations or were not assessed for this report. Of the assessed rivers, 2,460 miles were assessed for aquatic life, 2,324 miles were assessed for chemicals and metals, and 323 miles posted fish advisories. In tidal areas, a total of 1,160 river miles were assessed accounting for 77% of tidal rivers, and 100% of estuaries, bays, and ocean waters were assessed for at least one designated use (See Figure 1-2). The tidal river assessments consisted of: 888 miles for shellfish, 224 miles for chemicals and metals, 55 miles for aquatic life, and 330 miles of fish advisories. Meanwhile, coastal waters were assessed for shellfish (1,053 sq mi), aquatic life (712 sq mi), recreation (714 sq mi), fish advisories (615 sq mi), and metals (75 sq mi). The assessment of lakes had the lowest comprehensive coverage of all the waterbodies. Only 371 of 3,278 lakes larger than 2 acres were assessed (See Figure 1-3). This accounted for only 11% of the lakes in the state and included the following designated use assessments: 319 lakes for recreation, 117 lakes for trophic status, 41 lakes for aquatic life, and 41 lakes for fish advisories.

As mentioned in the "Methods Document", evaluated waters are categorized into two types:

- **Monitored Waters:** assessment results applied to a waterbody based on monitoring site data using the hydrologic method for estimating spatial extent (discussed in Section 6). Given the high degree of confidence in these results for monitored waters, they will be used to place a waterbody in Sublists 1 through 5.
- **Estimated Waters:** assessment results extrapolated from adjacent monitored waters using the hydrologic method for estimating spatial extent (discussed in Section 6). Extrapolations will be based on land use, possible pollution sources, and best professional judgement. Given the lower degree of confidence in these results for estimated waters, they will only be used to place a waterbody in Sublist 3.

A total of 488 non-tidal river miles (21% of chemical assessments) were estimated based on chemical monitoring stations, while only 127 non-tidal river miles (5% of aquatic life assessments) were estimated for aquatic life monitoring stations. No tidal rivers, lakes, estuaries, or ocean waters were estimated for any designated uses.

FIGURE 1-1. Assessed River Reaches. Includes monitored and estimated rivers.

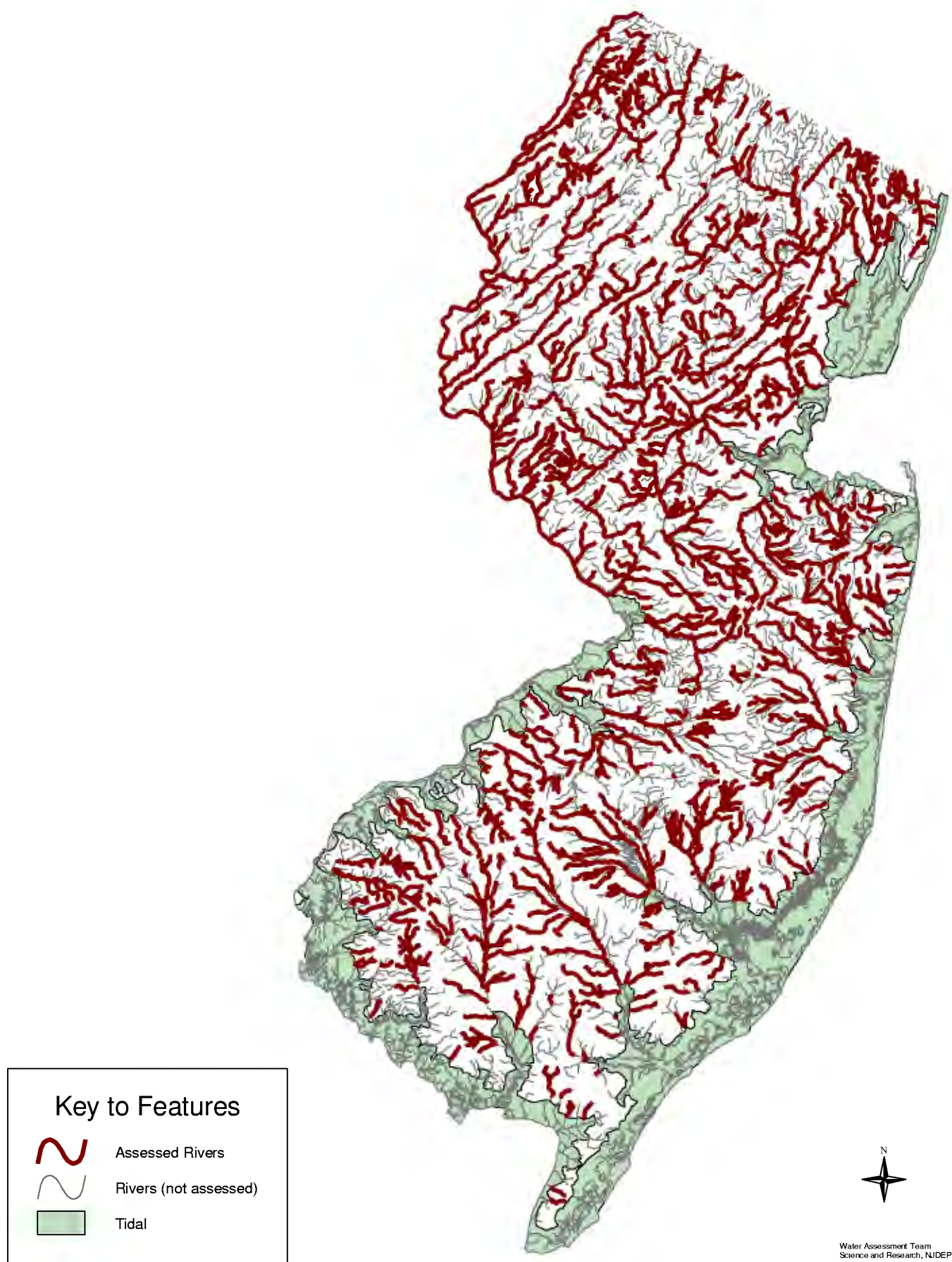


FIGURE 1-2. Assessed Tidal Rivers and Coastal Waters.

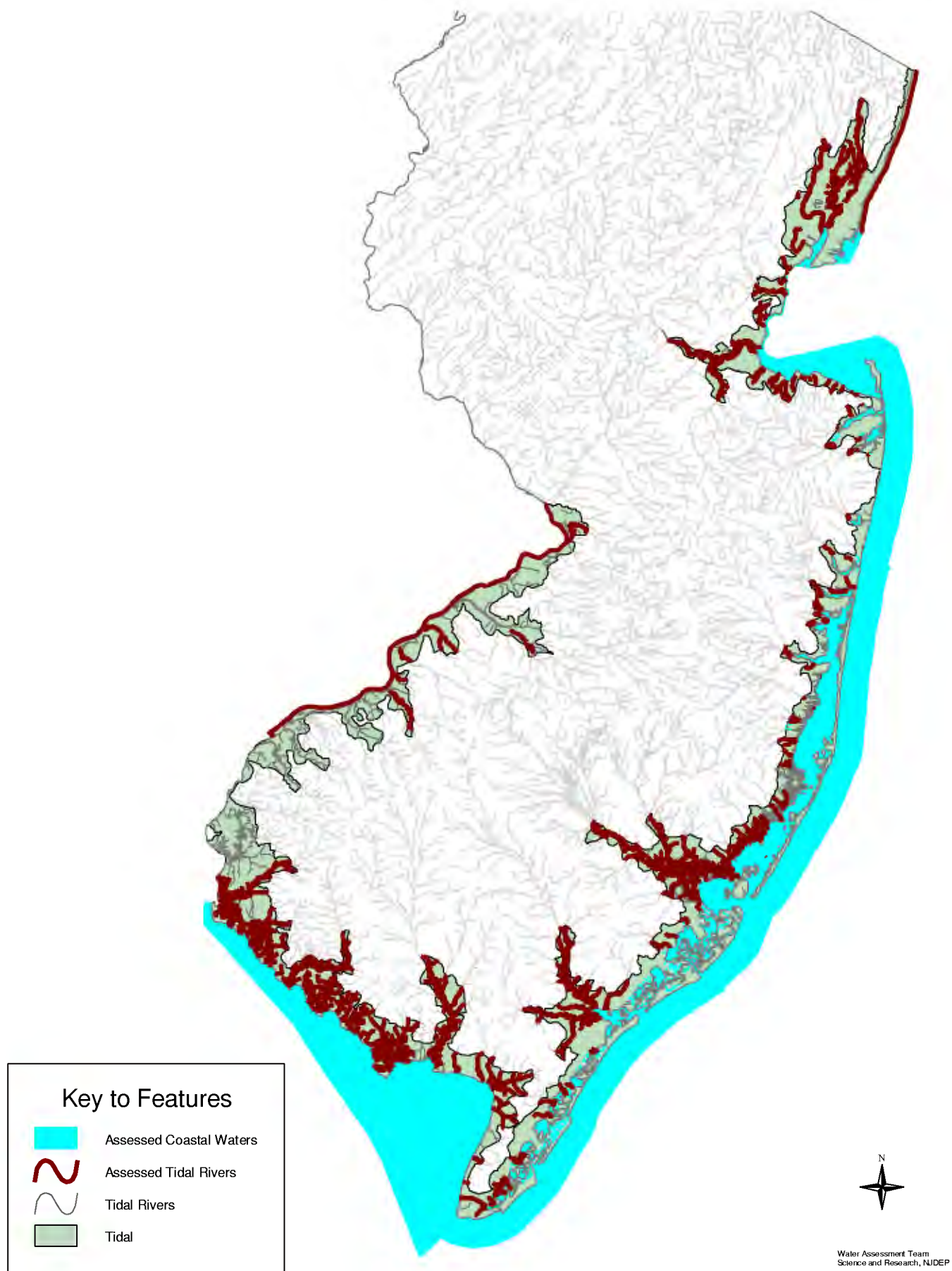
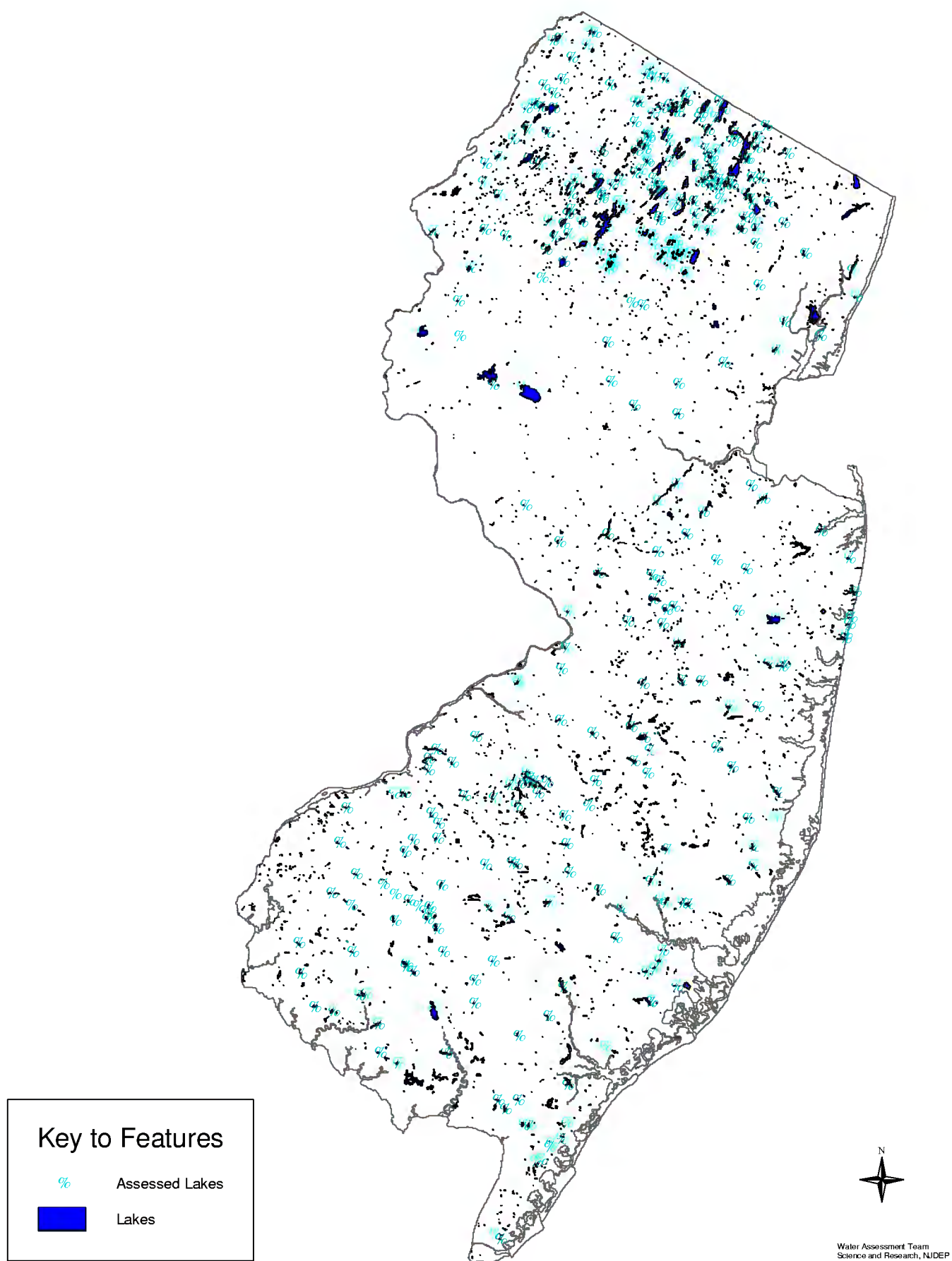


FIGURE 1-3. Assessed Lakes.



Chapter 2: Chemical Water Quality Assessment

Section 2.1: Non-Tidal Rivers

There are 7,840 miles of rivers and streams in addition to 675 miles of canals in New Jersey. Of these, 6,330 miles (81%) are non-tidal rivers, 1,520 miles (19%) are tidal rivers, and 197 river miles share a border with a neighboring state. New Jersey's rivers are used for multiple purposes such as water supplies for drinking water, industry and agriculture, trout and warm-water fisheries, aquatic resources, recreation (e.g., boating, swimming), and wastewater disposal. The characterization that follows describes water quality in freshwater, non-tidal rivers. The assessments are based on water quality status and trends with respect to Surface Water Quality Standards (SWQS), and attainment of designated uses for recreation, drinking water, agriculture, and industry.

Approximately 430 stations representing 2,308 river miles were assessed for at least one of the following parameters; total phosphorus, pH, dissolved oxygen, temperature, fecal coliform, nitrate, total suspended solids, total dissolved solids, unionized ammonia, and metals. Of the 2,308 assessed river miles, 1,913 river miles did not meet the SWQS for at least one parameter. As Figure 2.1-1 shows, the chemical parameters of most concern in the state are fecal coliform, total phosphorus, pH, and metals. The Department is addressing these issues primarily through Total Maximum Daily Load (TMDL) development, and has selected fecal coliform, which comprises over 35% of all chemical exceedances, as the priority for TMDL implementation. Total phosphorus also continues to be a major concern and will be addressed through a combination of permitting strategies and TMDL development. For pH, the exceedances may not be as significant as the figure demonstrates and is explained in the pH Water Characterization Section. The Department, along with EPA, continues to sample metals data and will plan future courses of action when all data is evaluated.

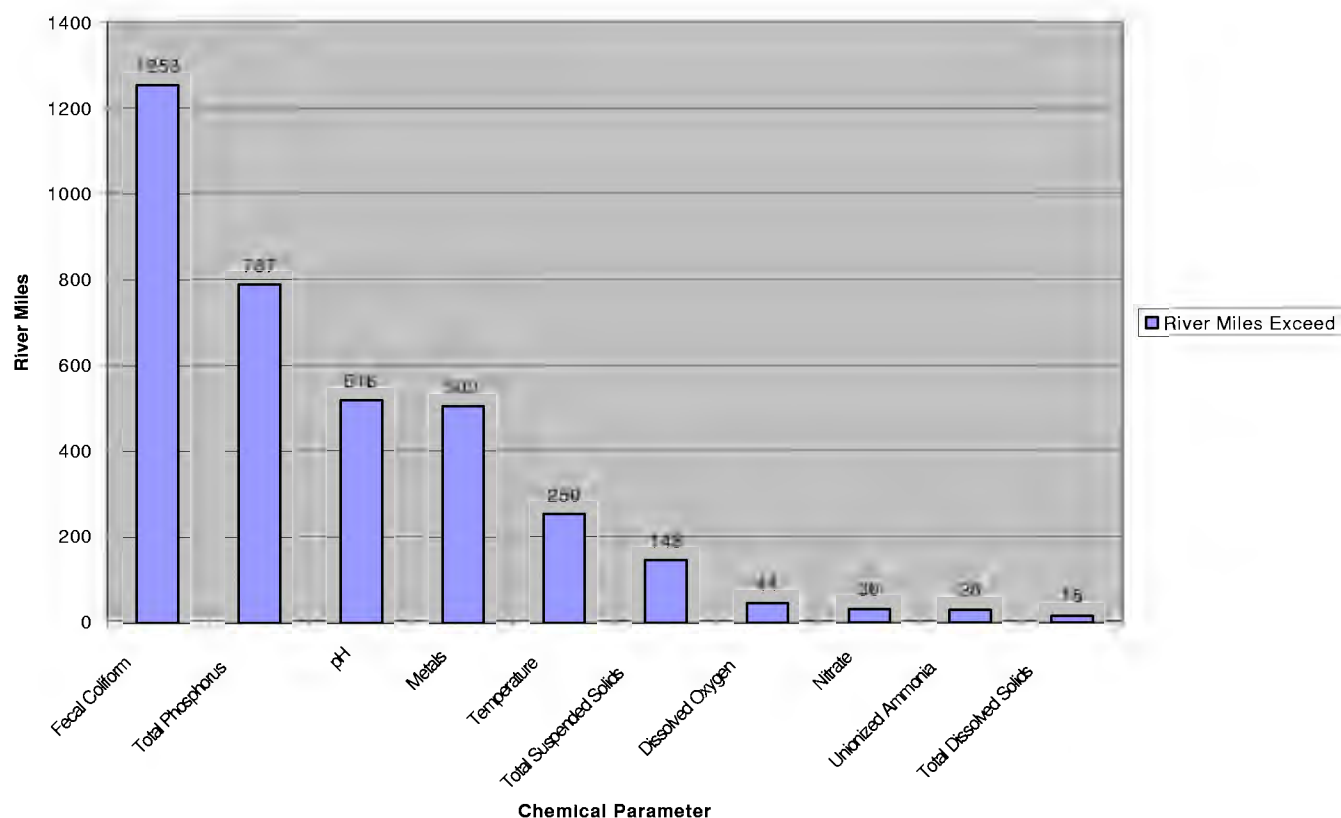


FIGURE 2.1-1. River Miles with Chemical Exceedances. Graph based on 10 chemical parameters evaluated in non-tidal rivers

FIGURE 2.1-2. Chemical Monitoring Stations.

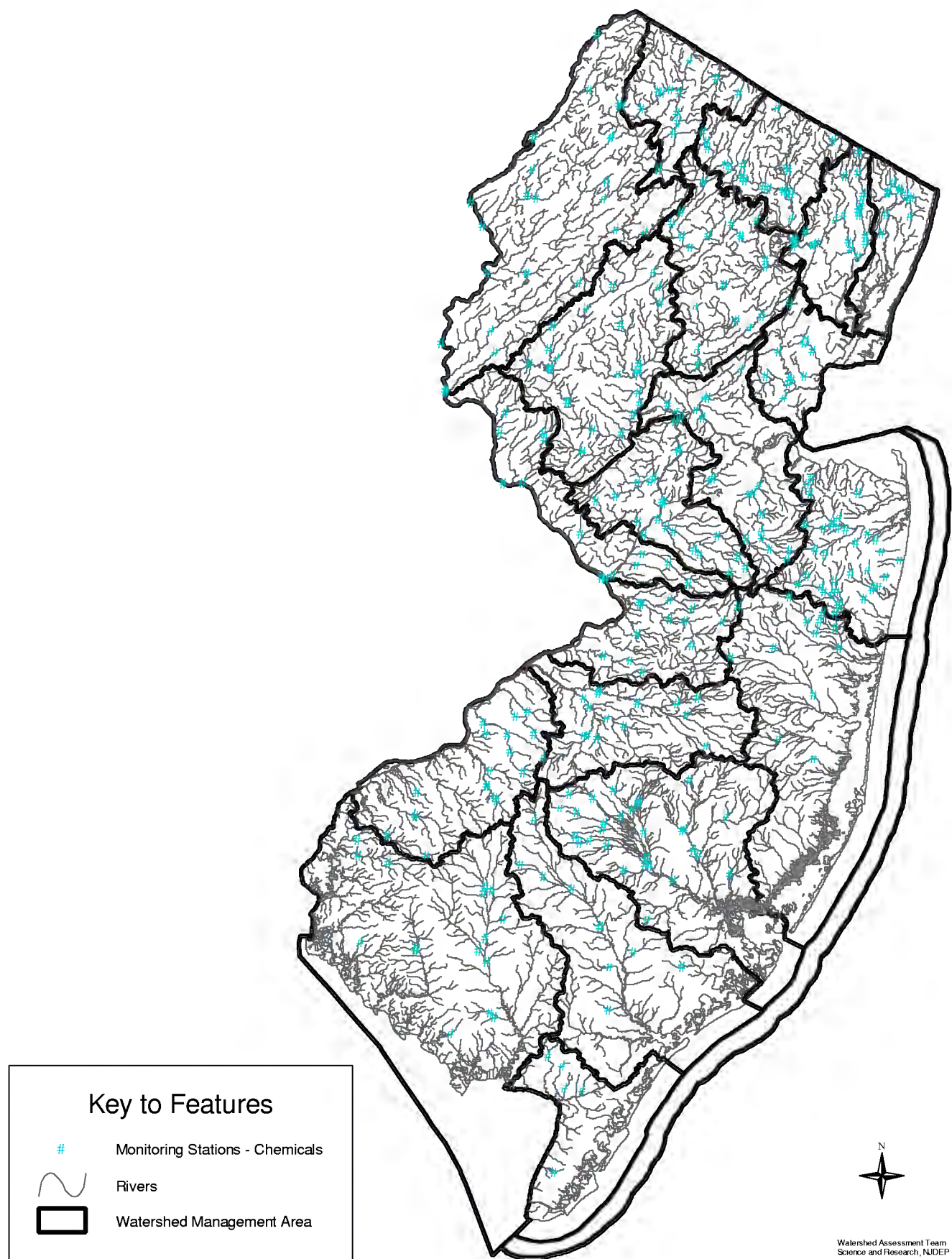
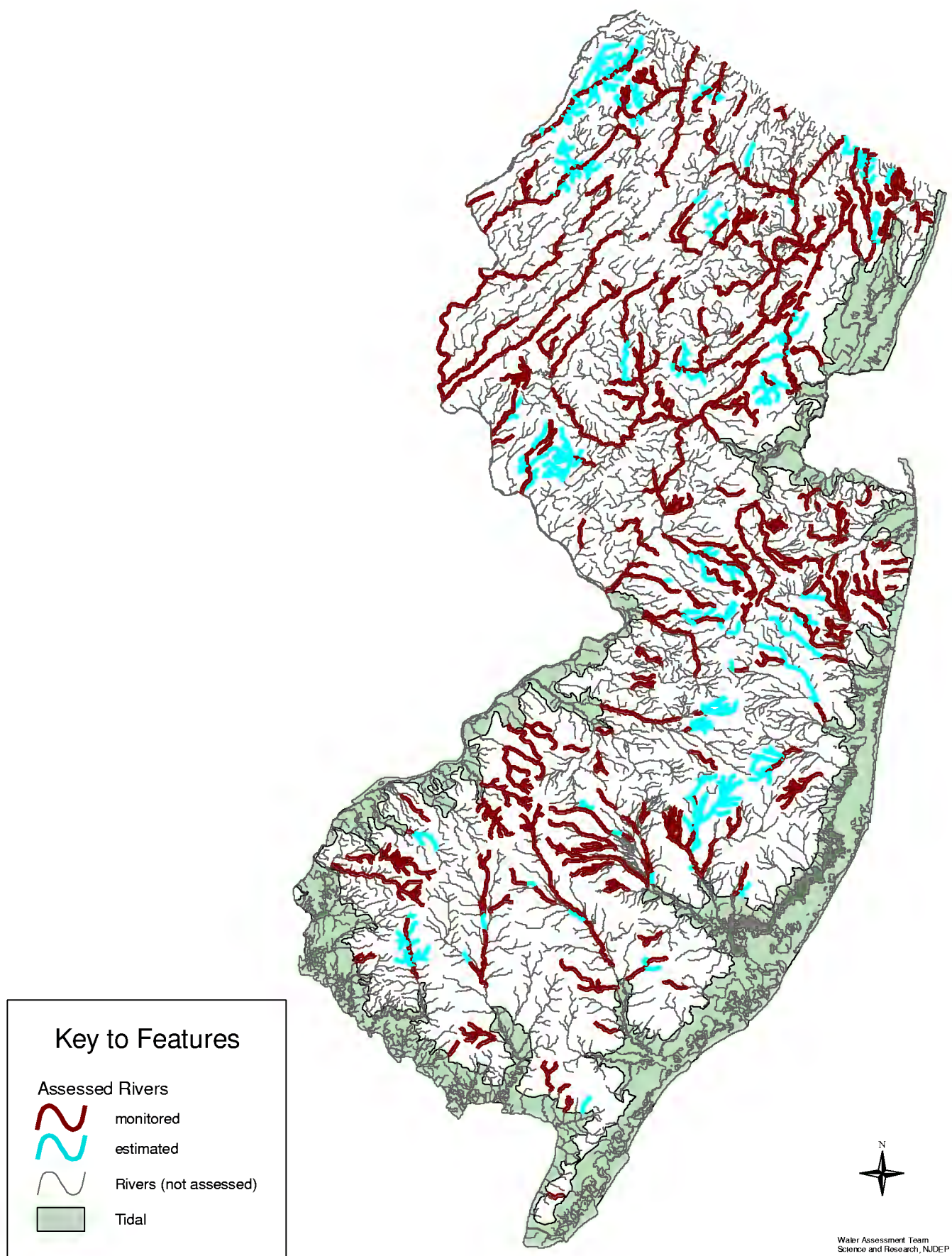


FIGURE 2.1-2b. Types of Assessed Non-Tidal Rivers. Monitored and estimated river reaches.



Section 2.1a. Conventional Assessments

Conventional water quality parameters include: total phosphorus, pH, dissolved oxygen, temperature, fecal coliform, nitrate, total suspended solids, total dissolved solids, and unionized ammonia. Prior exceedances of the SWQS for conventional water quality parameters in non-tidal rivers have been documented at 103 sites in the 1998 303(d) List with many of the sites having multiple conventionals exceeding the standards. Since the 1998 303(d) List was published, extensive data sampling has been completed (see Data Sources below). A total of 85 individual conventional listing (28% of the conventional listings on the 1998 303(d) List) from the 103 sampling sites were delisted after new data confirmed that conditions met the SWQS. 149 listing were re-assessed and found to continue to have exceedances of the standards, and 63 listing were carried over from the 1998 303(d) List due to no new data available or insufficient data to make a new assessment.

Note: Two historical stations on the 1998 303(d) List are located in tidal rivers but their assessments were included in this section (Section 2.1a). The reason these sites were accidentally included in the non-tidal river section was that these sites were part of the NJDEP/USGS Ambient Stream Monitoring Network (ASMN), which monitors only in non-tidal water, so they were originally thought to be in non-tidal river sections. However, after updating the head of tide delineations, it was discovered these sites were tidal, but the assessments were already completed. These sites will be corrected in the 2004 Integrated Report. The two sites are SB Rancocas Creek at Hainsport and Mullica River at Greenbank.

Data Sources

Sites represented on the 1998 303(d) list are primarily based upon data from the ASMN. The collection of new data has expanded the number of sites significantly. See Appendix II, Data Sources for the 2002 NJ Integrated Report for details of the monitoring networks. Below are the data network sources for conventional water quality parameters on the 2002 Integrated List:

- NJDEP/USGS Ambient Stream Monitoring Network (ASMN) (76 sites)– Data collected prior to October 1997. 42 stations were discontinued in October 1997. These sites are based on the latest assessment results from the 2000 305(b) report which used data from 1995 to 1997. The current protocol described in the Methods Document was followed for the final assessment results.
- NJDEP/USGS Redesigned Ambient Stream Monitoring Network (Redesigned ASMN) (179 sites) – Data collected from October 1997 to Present.
- Monmouth County Health Department (39 sites) - Data collected from 1996-2000.
- USGS/Pinelands Commission Network (15 sites) – Data collected from 1996 – 1998.
- Pequannock River Coalition (13 sites) – Data collected from 1998 – 2000. 1 site also part of the ASMN.
- National Water Quality Assessment Network (NAWQA) (6 sites) – Data collected from 1996-1998. 5 sites also part of the ASMN.

Total Phosphorus Water Quality Assessment

Total phosphorus (TP) is a nutrient that has been found to be limiting in many freshwater systems. "Limiting nutrients" are present in pristine systems in very low concentrations and tend to limit the growth of aquatic algae and vegetation. Elevated nutrients can contribute to excessive primary production (i.e., growth of aquatic algae and vegetation). Waterbodies affected by excessive primary productivity are characterized by significant algae and weed growth and episodes of low dissolved oxygen. To protect surface waters from excessive primary productivity, NJ SWQS include nutrient policies and criteria for total phosphorus. (See N.J.A.C. 7:9B-1.5(g) and 1.14(c)). For this report, the total phosphorus criteria of 0.1 mg/l was used to determine if water quality was fully attaining or non attaining. In the case of rivers at the point where it enters lakes, the criteria is 0.05 mg/l. However, no stations are located at the point of entering lakes, therefore, the criteria of 0.05 mg/l was not applied to any assessment of water quality.

A total of 257 stations representing 2,179 river miles were assessed for total phosphorus. The average TP for all sites was 0.1 mg/l. Excluding sites with insufficient data, the assessment results show that almost half of the stations do not meet TP standards (45% non attaining, 55% attaining). The Pinelands, southeast, and northwest portions of the state had a majority of their stations fully meeting TP criteria, while the remaining sections of the state had a substantial number of sites not meeting standards.

Thirteen sites, mostly in the Pinelands, had extremely low TP concentrations with TP averages less than 0.011 mg/l. On the other hand, 19 stations exceeded the criteria in at least 80% of samples collected. Two stations, Whippany River at Morristown and Whippany River at Pine Brook, were placed on Sublist 4 since TMDLs were completed by the Department, but TP levels continue to exceed the standards. Review of the data also shows that TP levels in the Passaic River Basin are elevated, including six sites of the top ten highest median total phosphorus concentrations statewide (see Table 2.1a-3), and 8 of 19 sites that exceeded the criteria at least 80% of the samples collected.

As seen in the 2000 New Jersey Water Quality Inventory Report 305(b), of 79 stations assessed for TP trends, statistically significant decreasing trends in concentration were found at 40 stations (50%) between 1985 and 1995. (USGS, 1999). Statistically significant trends were not found at 35 locations (44%) and a statistically significant increasing trend in concentration was found at only 1 station between 1986 and 1995. The trends assessment indicated that waters currently fully meeting TP criteria would continue to meet applicable criteria.

Results of the TP assessment are summarized below in Table 2.1a-1. Results for individual stations are depicted in Figure 2.1a-1 and in Table II-1 and Table II-10 in the Appendix.

Table 2.1a-1: Total Phosphorus Status

TP Status	Number of Stations	Percent of Stations	Number of Assessed River Miles		Percent of Assessed River Miles	
			Monitor	Estimate	Monitor	Estimate
Sublist 1	137	46%	837	332	49%	69%
Sublist 3	41	14%	198	13	12%	3%
Sublist 4	2	1%	12	0	1%	0%
Sublist 5	113	39%	649	138	38%	28%
Totals	293	100%	1696	483	100%	100%

Table 2.1a-2: Stations Exceeding SWQS for TP

WMA	Station Number	Station Name	WMA	Station Number	Station Name
02	01367625	Wallkill River at Sparta	14	01409416	Hammonton Creek at Westcoatville
02	01367700	Wallkill River at Franklin	01	01445500	Pequest River at Pequest
02	01367910	Papakating Creek at Sussex	01	01446400	Pequest River at Belvidere
05	01377499	Musquapsink Brook at River Vale	01	01455200	Pohatcong Creek at New Village
05	01377500	Pascack Brook at Westwood	01	01455801	Musconetcong River at Lockwood
05	01378500	Hackensack River at New Milford	01	01457400	Musconetcong River at Riegelsville
05	01378560	Coles Brook at Hackensack	11	01461300	Wickecheoke Creek at Stockton
06	01378855	Black Brook at Madison	20	01464000	Assunpink Creek at Trenton
06	01379000	Passaic River near Millington	20	01464020	Assunpink Creek at Peace Street At Trenton
06	01379200	Dead River near Millington	20	01464420	Crosswicks Creek near New Egypt
06	01379500	Passaic River near Chatham	20	01464500	Crosswicks Creek at Extonville
06	01381200	Rockaway River at Pine Brook	20	01464504	Crosswicks Creek at Groveville Rd. at Groveville
06	01382000	Passaic River near Two Bridges	20	01464515	Doctors Creek at Allentown
03	01387000	Wanaque River at Wanaque	20	01464578	Annaricken Brook near Jobstown
03	01387500	Ramapo River near Mahwah	20	01464583	NB Barkers Brook near Jobstown
04	01389005	Passaic River below Pompton River at Two Bridges	19	01465850	SB Rancocas Creek at Vincentown
04	01389130	Passaic River at Sigac	19	01465884	Sharps Run at Rt. 541 at Medford
04	01389500	Passaic River at Little Falls	19	01465970	NB Rancocas Creek at Browns Mills
04	01389880	Passaic River at Elmwood Park	19	01467005	NB Rancocas Creek at Iron Works Park at Mt Holly
04	01391200	Saddle River at Fairlawn	19	01467006	NB Rancocas Creek at Pine St. at Mt. Holly
04	01391490	Saddle River at Rochelle Park	18	01467069	NB Pennsauken Creek near Moorestown
04	01391500	Saddle River at Lodi	18	01467081	SB Pennsauken Creek at Cherry Hill
07	01393350	WB Elizabeth River near Union	18	01467120	Cooper River at Lindenwold
07	01393450	Elizabeth River at Ursino Lake at Elizabeth	8	01467140	Cooper River at Lawnside
07	01393960	WB Rahway River at Northfield Ave. at West Orange	18	01467150	Cooper River at Haddonfield
07	01395000	Rahway River at Rahway	18	01467329	SB Big Timber Creek at Blackwood Terrace
07	01395200	Robinson Branch at Scotch Plains	18	01467359	NB Big Timber Creek at Glendora
07	01396003	Robinson Br at St Georges Ave. at Rahway	18	01477120	Raccoon Creek near Swedesboro
08	01396280	SB Raritan River at Middle Valley	18	01477510	Oldsmans Creek at Porches Mill
08	01396800	Spruce Run at Clinton	17	01482500	Salem River at Woodstown
08	01397400	SB Raritan River at Three Bridges	17	01482560	Two Penny Run near Dancesys Corner
08	01398000	Neshanic River at Reaville	20	2	Crosswicks Creek at Walnford Rd in Upper Freehold
08	01398102	SB Raritan River at South Branch	12	20	Gravelly Brook at Lloyd Rd. in Marlboro
08	01399200	Lamington River near Ironia	12	21	Big Brook at Maywood Drive in Marlboro
08	01399500	Lamington River near Pottersville	09	22	McGoliard Brook at Main St in Englishtown
08	01399700	Rockaway Creek at Whitehouse	12	25	Long Brook at Howell Rd. in Howell
08	01399780	Lamington River at Burnt Mills	20	3	Doctors Creek at Route 539 in Upper Freehold
08	01400000	NB Raritan River near Raritan	12	30	Shark River Brook at Shark River Station Rd
09	01400500	Raritan River at Manville	12	31	Whale Pond Brook at Route 35 in Eatontown
10	01400540	Millstone River near Manalapan	12	32	Lafetra's Brook at Hope Rd in Tinton Falls
10	01400640	Millstone River near Grovers Mill	11	4	Assunpink Creek at Route 539 in Upper Freehold
10	01400650	Millstone River at Grovers Mill	10	5	Millstone River at Route 33 in Millstone
10	01401000	Stony Brook at Princeton	12	52	Willow Brook at Willow Brook Rd in Holmdel
10	01401440	Millstone River at Kingston	12	53	Ramanessin Brook at Willow Rd in Holmdel
10	01401600	Bedens Brook near Rocky Hill	12	54	Bordons Brook at Route 520 in Holmdel
10	01401700	Pike Run near Rocky Hill	12	56	Barren Neck Brook at Long Bridge Rd in Colts Neck
10	01402000	Millstone River at Blackwell Mills	12	57	Big Brook at Laurelwood Dr in Colts Neck
10	01402540	Millstone River at Weston	13	6	NB Metedeconk at Jackson Mills Rd in Freehold
09	01403300	Raritan River at Queens Bridge	09	61	Lake Topanemus at Pond Rd in Freehold
09	01403385	Bound Brook at Route 28 At Middlesex	09	68	Wemrock Brook at Rt 9 (Before Pipes) in Freehold
09	01403900	Bound Brook at Middlesex	09	69	Wemrock Brook at Rt 9 (After 1st Pipe) in Freehold
09	01405340	Manalapan Brook at Federal Rd Near Manalapan	13	7	Toms River at Route 537 in Millstone
09	01405400	Manalapan Brook near Spotswood	09	9	Weemaconk Creek at Main St in Manalapan
12	01407630	Poplar Brook at Deal	14		Mullica River at Green Bank
12	01407750	Shark River near Neptune City	19		SB Rancocas Creek at Hainesport
12	01407997	Marsh Bog Brook at Squankum	17		Salem River at Courses Landing
12	01408000	Manasquan River at Squankum			

Table 2.1a-3: Top 10 sites for Median Total Phosphorus Concentrations

WMA	Station Number	Station Name	Number of Samples	Percent Exceed	Median TP
06	01379200	Dead River near Millington	16	93.8%	1.12
06	01382000	Passaic River near Two Bridges	61	96.7%	0.45
06	01389005	Passaic River below Pompton River at Two Bridges	14	100.0%	0.35
06	01389500	Passaic River at Little Falls	26	100.0%	0.38
04	01391490	Saddle River at Rochelle Park	4	100.0%	0.64
04	01391500	Saddle River at Lodi	23	100.0%	0.72
10	01402000	Millstone River at Blackwells Mills	21	100.0%	0.30
11	01464020	Assunpink Creek at Peace Street at Trenton	12	100.0%	0.66
20	01464420	Crosswicks Creek near New Egypt	4	75.0%	0.28
20	01464578	Annaricken Brook near Jobstown	4	100.0%	0.45

Of the 94 stations on the 1998 Impaired Waterbodies List; 25 sites were delisted based on more recent data (Table 2.1a-5), 19 sites had no new data and were carried over to Sublist 5 on the 2002 Integrated List (Table 2.1a-4), and 50 sites were re-assessed with more recent data and evaluated as “Non Attainment” for total phosphorus.

Table 2.1a-4: TP Sites Carried Over from 1998 303(d) List

WMA	Station Number	Station Name
02	01367700	Wallkill River at Franklin
05	01378500	Hackensack River at New Milford
03	01387000	Wanaque River at Wanaque
04	01389130	Passaic River at Sigac
04	01391200	Saddle River at Fairlawn
08	01396800	Spruce Run at Clinton
08	01399200	Lamington River Near Ironia
10	01401440	Millstone River at Kingston
10	01402540	Millstone River at Weston
09	01405400	Manalapan Brook near Spotswood
12	01407750	Shark River near Neptune City
01	01455801	Musconetcong River at Lockwood
11	01461300	Wickecheoke Creek at Stockton
19	01465970	NB Rancocas Creek at Browns Mills
18	01467120	Cooper River at Lindenwold
18	01467140	Cooper River at Lawnside
17		Mullica River at Green Bank
19		SB Rancocas Creek at Hainesport
17		Salem River at Courses Landing

Table 2.1a-5: Delisted TP Sites From 1998 303(d) List

WMA	Station Number	Station Name
02	01367770	Wallkill River near Sussex
02	01368000	Wallkill Run near Unionville
02	01368950	Black Creek near Vernon
05	01377000	Hackensack River at Rivervale
06	01380500	Rockaway River at Boonton
03	01382500	Pequannock River at Macopin Intake Dam
04	01388500	Pompton River at Pompton Plains
07	01394500	Rahway River near Springfield
08	01396535	SB Raritan River at Arch St at High Bridge
08	01396588	Spruce Run near Glen Gardner
08	01396660	Mulhockaway Creek at Van Syckel
08	01398260	NB Raritan River near Chester
08	01399120	NB Raritan River at Burnt Mills
08	01397000	SB Raritan River at Stanton Station
10	01405302	Matchaponix Brook at Spotswood
14	01409500	Batsto River at Batsto
15	01410784	Great Egg Harbor River near Sicklerville
15	01411000	Great Egg Harbor River at Folsom
15	01411110	Great Egg Harbor River at Weymouth
17	01411800	Maurice River near Millville
17	01412800	Cohansey River at Seeley
01	01443440	Paulins Kill at Balesville
01	01456200	Musconetcong River at Beattystown
01	01457000	Musconetcong River near Bloomsbury
20	01463620	Assunpink Creek near Clarksville

Excessive primary productivity may impair aquatic life and recreational designated uses. Additional assessments are needed to identify designated use impairments due to excessive primary productivity and to evaluate the relative contributions of phosphorus, nitrate and other nutrients. Therefore, it was not possible to link elevated concentrations of TP to use impairment. Some major considerations include:

- Attached periphyton is often the major location of primary productivity in streams- not free floating algae
- Nutrient cycling between water--sediments--aquatic periphyton community may result in water column nutrient measurements that are very low concentrations even though the waterbody is eutrophic (nutrients are fixed in aquatic plants and algae)
- Watershed Location is Critical: Depositional areas, wetlands, lakes, reservoirs are most prone to eutrophication, not fast flowing streams. Existing monitoring sites are not targeted to these areas.
- Season, stream flow, storm events have significant effects on primary production and nutrient limitation

FIGURE 2.1a-1. Total Phosphorus Station Status. Includes delisted sites and sites carried over from the 1998 303(d) List.

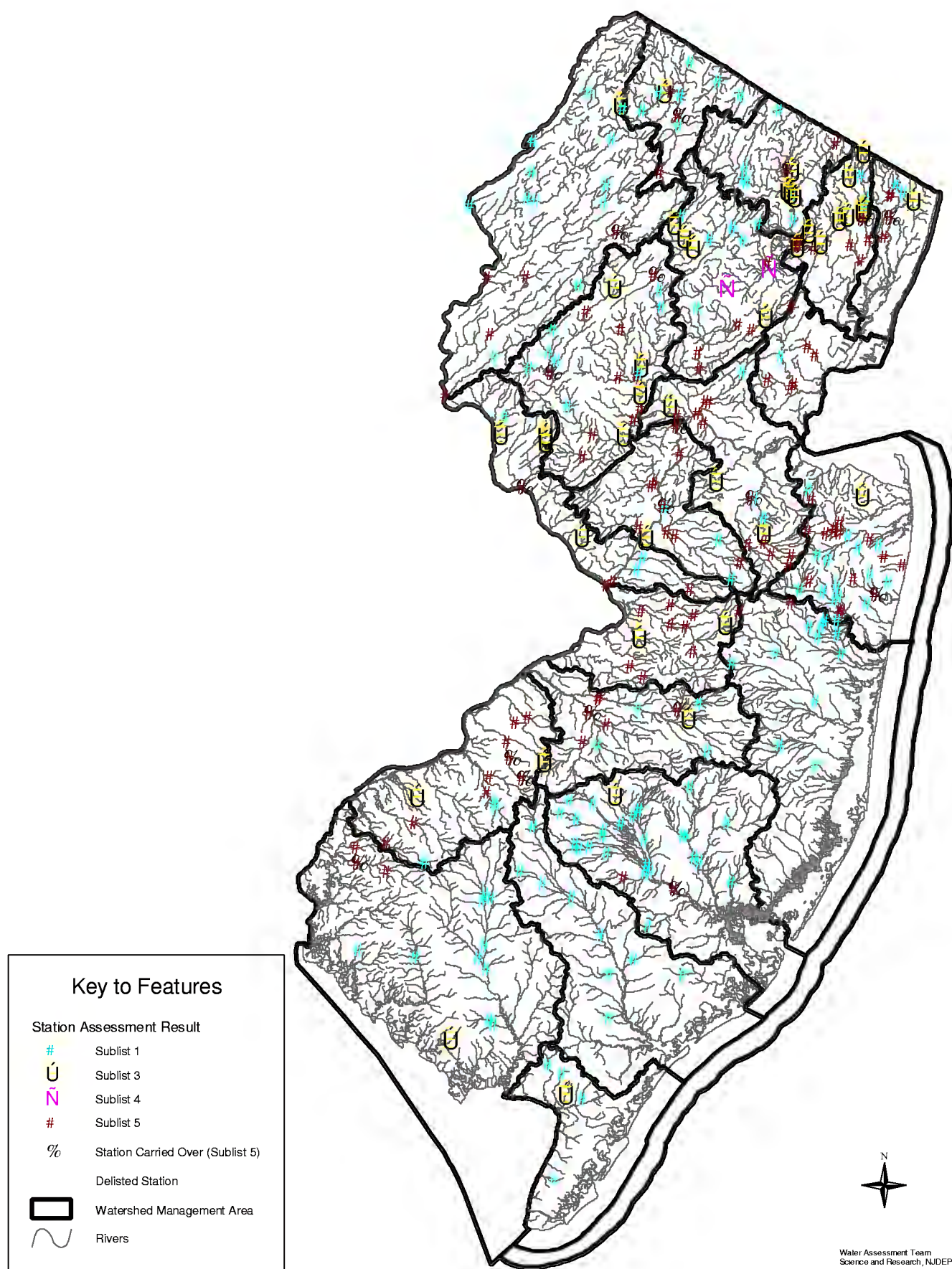
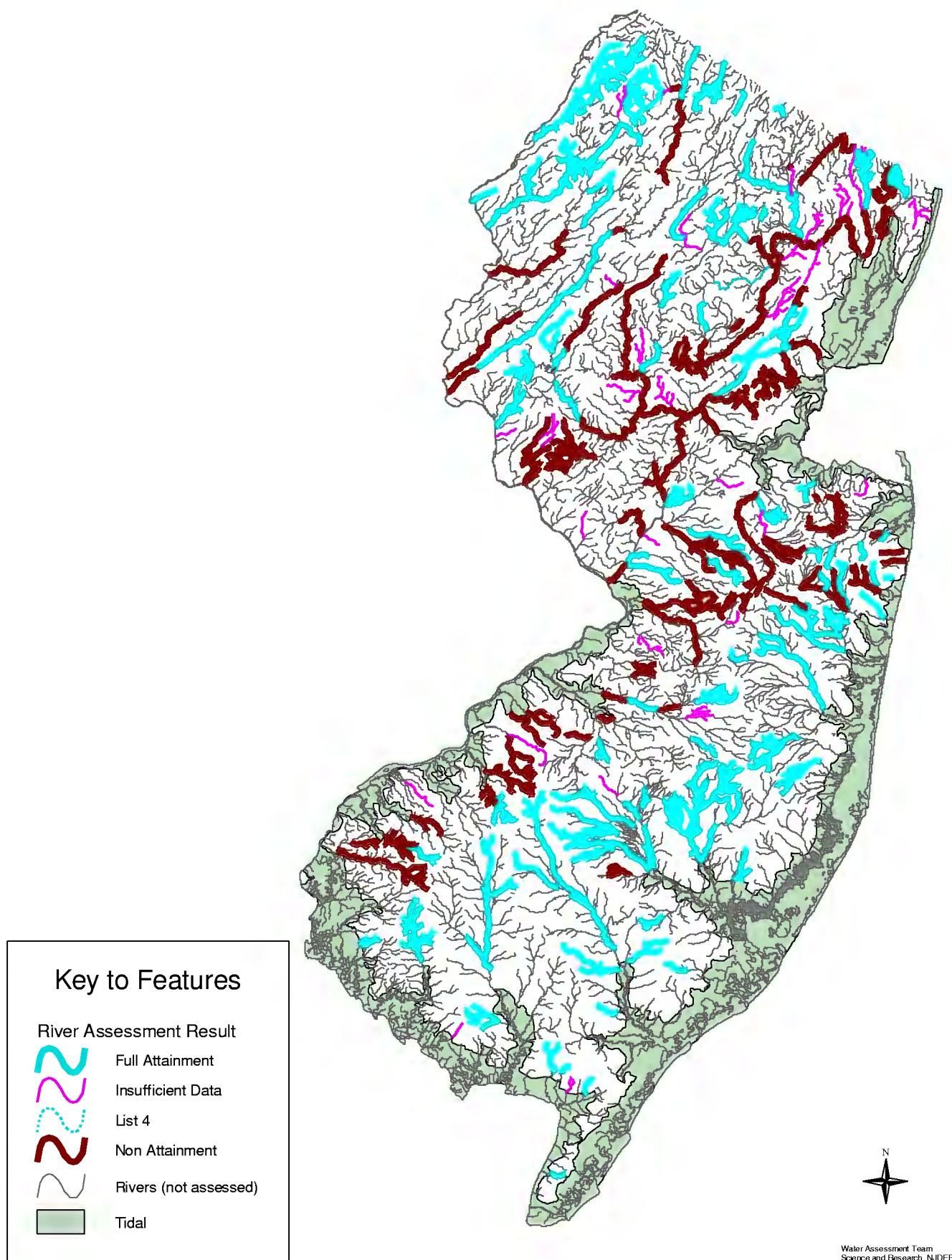


FIGURE 2.1a-2. Total Phosphorus Assessed River Segments. Includes monitored and estimated river assessments.



pH Water Quality Assessment

pH is a measure of the acidity of water. NJ SWQS include criteria for pH due to effects on aquatic life at pH measurements that are too basic or too acidic. Criteria for the naturally acidic Pinelands waters require pH between 3.5 and 5.5 pH units. Criteria for all other nontidal streams in the state (FW2 waters) require pH between 6.5 and 8.5 pH units. Thus, criteria for pH require levels between a specified range, and exceedances of the criteria can occur if pH is either too low or too high.

238 stations representing 2,152 river miles were assessed for pH. Of the 69 stations that were “Non Attaining” for pH; 36 stations were above the pH criteria, 24 stations were below the pH criteria, and 9 stations were carried over from the 1998 303(d) list. All impaired sites in the Pinelands (29 sites) had pH levels above the pH criteria. Results showed that Pineland sites with impairments were located in watersheds impacted by development, while fully attaining sites were usually in pristine or low developed watersheds.

Of the 24 stations below the pH criteria, 23 sites were located in the Coastal Plain; the only exception was Dunnfield Creek at Dunnfield in WMA 1. Further observations revealed that 20 stations with low exceedances were located in areas directly surrounding the Pinelands (see Table 2.1a-8). These areas are characterized as having environmental conditions such as soils, geology, and vegetation very similar to the Pinelands, therefore, there is speculation that the low pH at these sampling sites may be attributable to natural conditions. At all of these stations, pH levels were primarily between the SWQS for Pineland waters and FW2 waters and did not meet the criterion for pH. At four other stations in the same geographical area, pH levels met the pH criteria for Pineland waters although their stream reaches were categorized as FW2. These sites, which included a background site with no anthropogenic inputs, were assessed as “Full Attainment”, and consisted of: Gibson Creek at Rt. 50 near Corbin City, Indian Branch near Malaga, Buckshutem Creek near Laurel Lake, and Gravelly Run at Laurel Lake. The SWQS include a provision to use natural water quality in place of numeric criteria for all water quality characteristics that do not meet the promulgated water quality criteria as a result of natural causes. (See N.J.A.C. 7:9B-1.5(c)1). Further technical approaches will be studied to determine if a change to the SWQS for pH to reflect natural conditions should be developed for the waterways surrounding the Pinelands.

Results for individual stations are depicted in Figure 2.1a-3 and in Table II-2 and Table II-11 in the Appendix. The overall pH results are summarized below in Table 2.1a-6.

Table 2.1a-6: pH Status

pH Status	Number of Stations	Percent of Stations	Number of Assessed River Miles		Percent of Assessed River Miles	
			Monitor	Estimate	Monitor	Estimate
Sublist 1	127	45%	897	367	76%	54%
Sublist 3	89	31%	352	20	4%	32%
Sublist 4	0	0%	0	0	0%	0%
Sublist 5	69	24%	419	97	20%	14%
Totals	285	100%	1668	484	100%	100%

Table 2.1a-7: pH Stations Exceeding SWQS

WMA	Station Number	Station Name	WMA	Station Number	Station Name
04	01390500	Saddle River at Ridgewood	14	01409411	Nescochague Creek at Pleasant Mills
08	01396800	Spruce Run at Clinton	14	01409416	Hammonton Creek at Westcoatville
08	01397000	SB Raritan River at Stanton Station	14	01409432	Batsto River at Hampton Furnace
08	01398000	Neshanic River at Reaville	14	01409449	Indian Mills Brook at Indian Mills
08	01398102	SB Raritan River at South Branch	14	01409455	Springers Brook near Hampton Furnace
08	01399700	Rockaway Creek at Whitehouse	14	01409470	Batsto River at Quaker Bridge
09	01400500	Raritan River at Manville	14	01409500	Batsto River at Batsto
10	01400540	Millstone River near Manalapan	15	01410784	Great Egg Harbor River near Sicklerville
10	01400690	Cranbury Brook near Prospect Plains	15	01411000	Great Egg Harbor River at Folsom
10	01401000	Stony Brook at Princeton	15	01411035	Hospitality Branch at Blue Bell Road near Cecil
10	01401440	Millstone River at Kingston	15	01411050	Hospitality Branch near Cecil
10	01402540	Millstone River at Weston	15	01411110	Great Egg Harbor River at Weymouth
10	01404470	Ireland Brook at Patricks Corners	15	01411196	Babcock Creek near Mays Landing
10	01405285	Barclay Brook near Englishtown	15	01411220	South River near Belcoville
09	01405302	Matchaponix Brook at Spotswood	16	01411428	Dennis Creek Trib 2 at Dennisville
09	01405340	Manalapan Brook at Federal Rd near Manalapan	17	01411453	Still Run near Malaga
09	01405400	Manalapan Brook near Spotswood	17	01411458	Little Ease Run at Porchtown
12	01407720	Jumping Brook at Green Grove	17	01411500	Maurice River at Norma
12	01407760	Jumping Brook near Neptune City	17	01412200	Pages Run at Newport
12	01407868	Long Brook at Wyckoff Mills	17	01413065	Canton Drain at Maskell Mill
12	01407997	Marsh Bog Brook at Squankum	17	01442760	Dunnfield Creek at Dunnfield
12	01408009	Mingamahone Brook near Earle	01	01446400	Pequest River at Belvidere
13	01408100	NB Metedeconk River at Lakewood	01	01455200	Pohatcong Creek at New Village
13	01408480	Shannoc Brook Tributary at Colliers Mills	01	01455500	Musconetcong River at Lake Hopatcong
13	01408500	Toms River near Toms River	01	01457000	Musconetcong River near Bloomsbury
14	01409375	Mullica River near Atco	11	01461300	Wickecheoke Creek at Stockton
14	0140940050	Mullica River near Batsto	11	01463850	Miry Run at Route 533 at Mercerville
14	01409401	Hays Mill Creek at Atco	20	01464529	Bacons Creek near Mansfield Square
14	01409402	Hays Mill Creek near Chesilhurst	20	01464583	NB Barkers Brook near Jobstown
14	0140940370	Sleeper Branch near Atsion	19	01465850	SB Rancocas Creek at Vincentown
14	01409408	Pump Branch near Waterford Works	19	01465893	Little Creek at Chairville
14	0140940950	Blue Anchor Brook at Elm	19	01465970	NB Rancocas Creek at Browns Mills
14	0140940970	Albertson Branch near Elm	19	01467005	NB Rancocas Creek at Iron Works Park at Mt Holly
14	0140941070	Great Swamp Branch below Rt 206 near Hammonton	19	01467006	NB Rancocas Creek at Pine St at Mt Holly
			17		Mullica River at Green Bank

Table 2.1a-8: pH Sites with Similar Conditions as Pinelands or Influenced by Pinelands

WMA	Station Number	Station Name	Max pH	Min pH	Percent Exceedance
10	01400690	Cranbury Brook near Prospect Plains	6.2	5.2	100.0%
09	01405285	Barclay Brook near Englishtown	3.6	3.5	100.0%
09	01405302	Matchaponix Brook at Spotswood	7.4	5.4	42.9%
10	01400540	Millstone River near Manalapan	8.1	6.0	30.8%
09	01405340	Manalapan Brook at Federal Road near Manalapan	7.3	5.2	38.1%
12	01407720	Jumping Brook at Green Grove	6.5	5.9	75.0%
12	01407868	Long Brook at Wyckoff Mills	7.1	6.4	18.2%
12	01407997	Marsh Bog Brook at Squankum	6.5	4.7	75.0%
12	01408009	Mingamahone Brook near Earle	7.1	5.7	41.7%
13	01408100	NB Metedeconk River at Lakewood	7.1	5.9	50.0%
13	01408500	Toms River near Toms River	6.4	4.4	100.0%
15	01411241	Gibson Creek at Rt 50 near Corbin City	5.4	4.8	100.0%
17	01411453	Still Run near Malaga	6.6	5.6	50.0%
17	01411466	Indian Branch near Malaga	5.6	4.2	100.0%
17	01411458	Little Ease Run at Porchtown	6.1	5.6	100.0%
17	01411500	Maurice River at Norma	7	5.9	33.3%
17	01411950	Buckshutem Creek near Laurel Lake	4.2	4	100.0%
17	01411955	Gravelly Run at Laurel Lake	5.3	4.3	100.0%
17	01412200	Pages Run at Newport	6.5	5.9	75.0%
20	01464529	Bacons Creek near Mansfield Square	6.7	4	75.0%
20	01464583	NB Barkers Brook near Jobstown	7.3	5.8	33.3%
19	01465850	SB Rancocas Creek at Vincentown			92.9%
19	01467005	NB Rancocas Creek at Iron Works Park at Mt Holly	6.8	6.4	25.0%
19	01467006	NB Rancocas Creek at Pine St at Mt Holly	7.2	5.3	28.6%

On the 1998 303(d) list, 49 stations did not meet the criteria for pH. Many of the sites remain on Sublist 5 including 9 sites carried over to the 2002 Integrated List due to no new data (Table 2.1a-9), and 21 sites re-evaluated with recent data but still not attaining standards. A total of 19 sites were delisted from the 1998 303(d) list after assessments concluded they met pH criteria (Table 2.1a-10).

Table 2.1a-9: pH Sites Carried Over From 1998 303(d) List

WMA	Station Number	Station Name
08	01396800	Spruce Run at Clinton
10	01401440	Millstone River at Kingston
10	01402540	Millstone River at Weston
09	01405400	Manalapan Brook near Spotswood
12	01407760	Jumping Brook near Neptune City
01	01455500	Musconetcong River at Lake Hopatcong
11	01461300	Wickecheoke Creek at Stockton
19	01465970	NB Rancocas Creek at Browns Mills
14		Mullica River at Green Bank

Table 2.1a-10: Delisted pH Sites From 1998 303(d) List

WMA	Station Number	Station Name
03	01381200	Rockaway River at Pine Brook
03	01382500	Pequannock River at Macopin Intake Dam
08	01396280	SB Raritan River at Middle Valley
08	01396535	SB Raritan River at Arch St at High Bridge
08	01396588	Spruce Run near Glen Gardner
08	01396660	Mulhockaway Creek at Van Syckel
08	01397400	SB Raritan River at Three Bridges
08	01399120	NB Raritan River at Burnt Mills
08	01399780	Lamington River at Burnt Mills
12	01408000	Manasquan River at Squankum
14	01409387	Mullica River at Outlet of Atsion Lake at Atsion
14	01410150	EB Bass River near New Gretna
17	01412800	Cohansey River at Seeley
01	01456200	Musconetcong River at Beattystown
01	01457400	Musconetcong River at Riegelsville
20	01464515	Doctors Creek at Allentown
18	01467150	Cooper River at Haddonfield
18	01477510	Oldsmans Creek at Porches Mill
17	01482500	Salem River at Woodstown

FIGURE 2.1a-3. pH Station Status. Includes delisted sites and sites carried over from the 1998 303(d) List, as well as, sites on sublist 5 that are influenced by Pineland conditions.

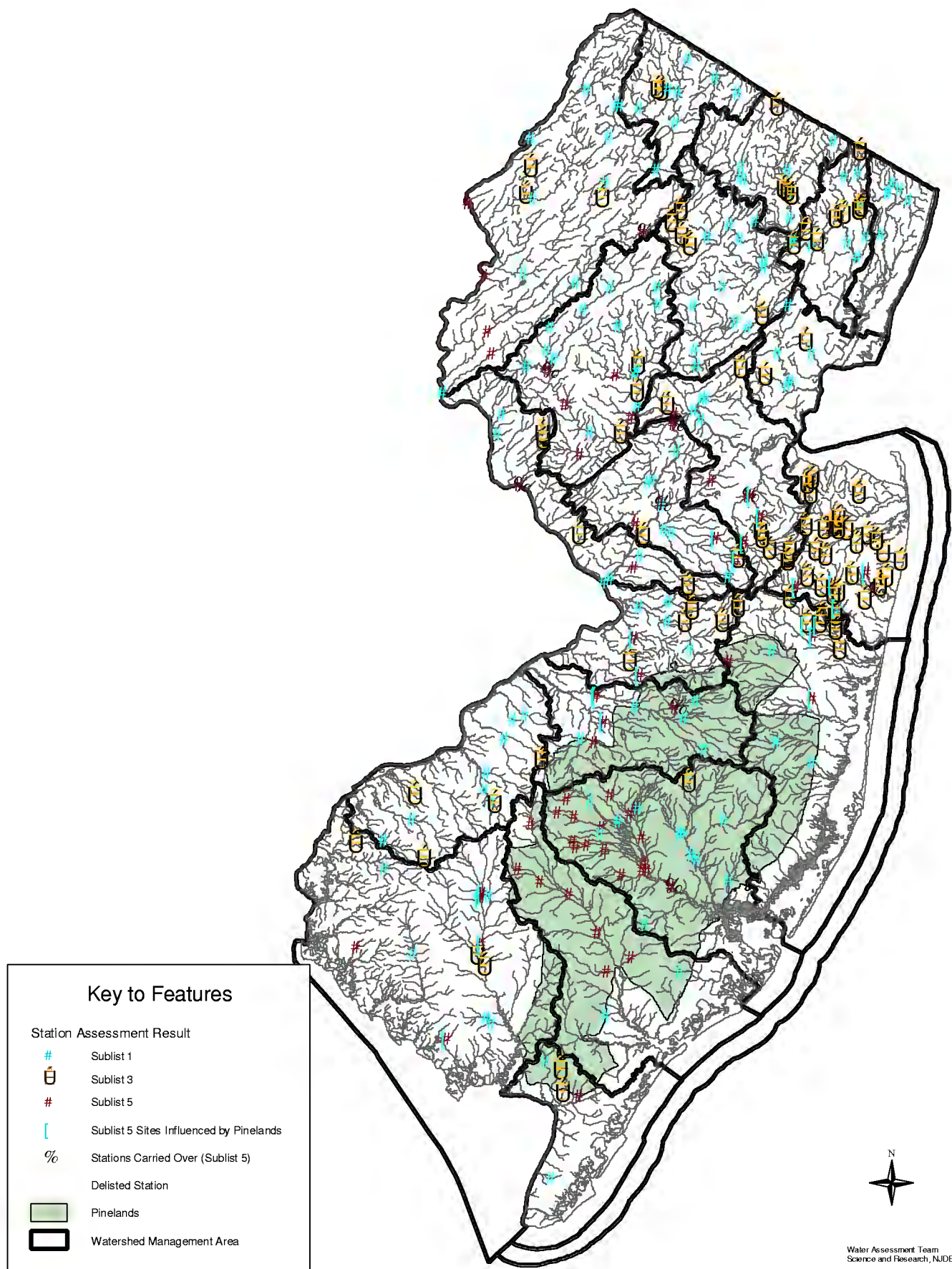
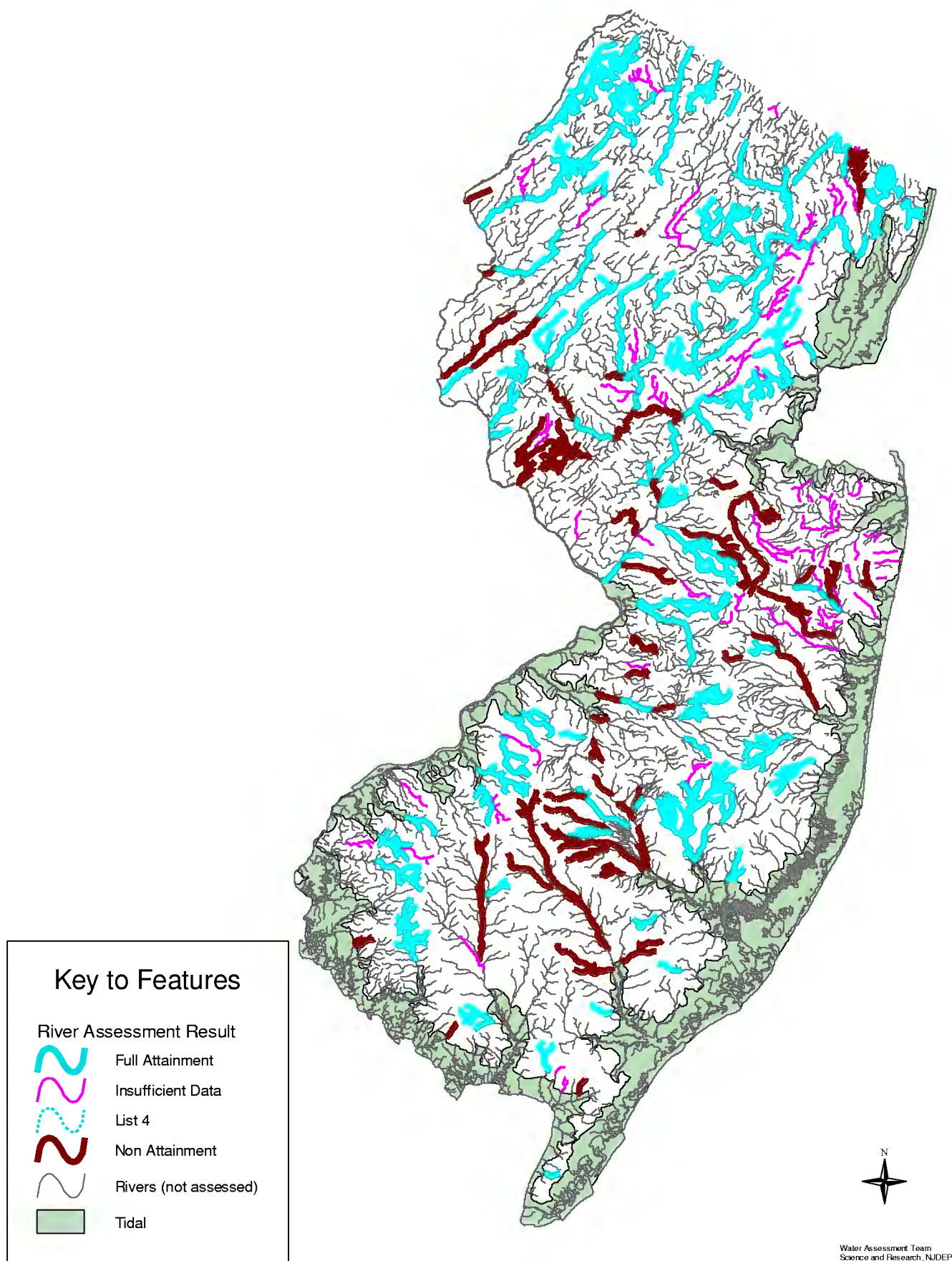


FIGURE 2.1a-4. pH Assessed River Segments. Includes monitored and estimated river assessments.



Dissolved Oxygen Water Quality Assessment

Dissolved oxygen (DO) is necessary for almost all aquatic life, consequently concentrations of dissolved oxygen in water also provide an indicator of the health of aquatic ecosystems. When in equilibrium with air, the ability of water to maintain dissolved oxygen is dependant on temperature, atmospheric pressure, and to a lesser extent dissolved solids (USGS 2000). Temperature is the major factor in determining DO levels under ambient conditions with increasing temperatures causing decreasing DO. Because of this direct correlation, temperature data should be closely monitored when DO levels exceed Surface Water Quality Standards. Dissolved oxygen criteria are based on the following stream classifications:

- FW2-Trout Production: Not less than 7.0 mg/l DO
- FW2-Trout Maintenance: Not less than 5.0 mg/l DO, 24 hr. average not less than 5.0 mg/l DO
- FW2-Non Trout/Pinelands: Not less than 4.0 mg/l DO, 24 hr. average not less than 5.0 mg/l DO

Overall results indicate that dissolved oxygen levels in the state are relatively healthy. The assessment of data collected between 1996-2000 show that only 3 of 238 sites are not attaining dissolved oxygen standards and the overall average of all sites is 9.6 mg/l DO. When excluding sublist 3 sites with insufficient data, 96% of the stations are fully attaining, while only 4% are non attaining the standards for DO. This represents only 44 river miles not attaining standards for dissolved oxygen in the state.

It should be noted that the collection of DO data was taken during the day and consequently does not characterize the natural diurnal DO cycle. The diurnal cycle may show significant variations in DO levels during a 24 hour period caused by temperature changes, photosynthesis, and respiration variations in the streams. In order to help understand this process, NJDEP and USGS are collecting diurnal DO data at about 30 locations each summer starting in 2001. Selected locations included background stations in the redesigned Ambient Surface Water Monitoring Network (ASMN), locations with exceedances of DO criteria, and locations with high DO saturation values which may indicate DO impairments.

The overall status of DO is shown in Table 2.1a-11 and results for stations that exceeded criteria and their use support status are provided on Table 2.1a-12 below. Results for individual stations are depicted on Figure 2.1a-5 and shown in Table II-4 in the Appendix.

Table 2.1a-11: Dissolved Oxygen Status

DO Status	Number of Stations	Percent of Stations	Number of Assessed River Miles		Percent of Assessed River Miles	
			Monitor	Estimate	Monitor	Estimate
Sublist 1	196	81%	1309	428	84%	92%
Sublist 3	38	16%	208	33	13%	7%
Sublist 4	0	0%	0	0	0%	0%
Sublist 5	7	3%	39	5	3%	1%
Totals	241	100%	1556	466	100%	100%

Table 2.1a-12: Stations with Exceedances of DO

WMA	Station Number	Station Name	Number of Samples	Percent Exceedance	SWQS Attainment
06	01379000	Passaic River near Millington	16	25%	Non Attainment
06	01381800	Whippany River near Pine Brook	23	13%	Non Attainment
03	01387000	Wanaque River at Wanaque	1998 303(d) List		Non Attainment
08	01399200	Lamington River near Ironia	1998 303(d) List		Non Attainment
15	01409383	Mullica River at Indian Mills	18	17%	Non Attainment
19	01466500	McDonalds Branch in Lebanon State Forest	14	57%	Full Attainment
18	01467140	Cooper River at Lawnside	1998 303(d) List		Non Attainment
17		Salem River at Courses Landing	1998 303(d) List		Non Attainment

The McDonalds Branch impairment in Lebanon State Forest is due to natural conditions with a location in an area dominated by ground water and low DO; it is not due to pollution sources. Several sites have been carried over from the 1998 303(d) List because more recent data had not been collected. These sites include: Wanaque River at Wanaque, Lamington River near Ironia, Cooper River at Lawnside, and Salem River at Courses Landing. There are 6 sites on the 1998 303(d) List for exceedances of DO where criteria are now met (see Table 2.1a-13). These findings are consistent with historical improvements in water quality as wastewater treatment plants were upgraded and regionalized in the 1980's and early 1990's.

Table 2.1a-13: Delisted DO Sites From 1998 303(d) List

WMA	Station Number	Station Name
15	01410784	Great Egg Harbor River near Sicklerville
14	01409416	Hammonton Creek at Westcoatville
10	01400650	Millstone River at Grovers Mill
06	01382000	Passaic River at Two Bridges
04	01391500	Saddle River at Lodi
07	01394500	Rahway River near Springfield

FIGURE 2.1a-5. Dissolved Oxygen Station Status. Includes delisted stations and sites carried over from the 1998 303(d) List.

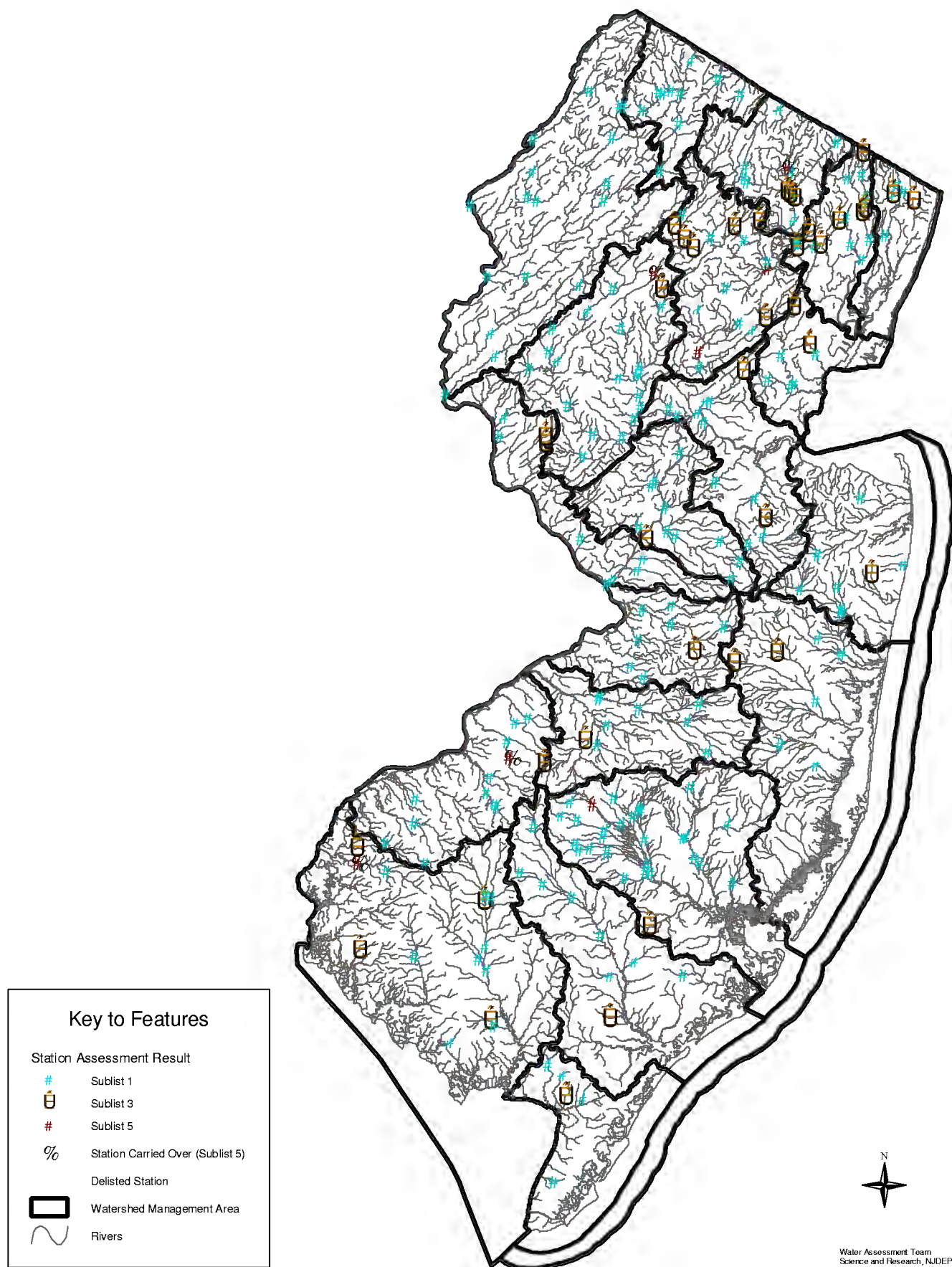
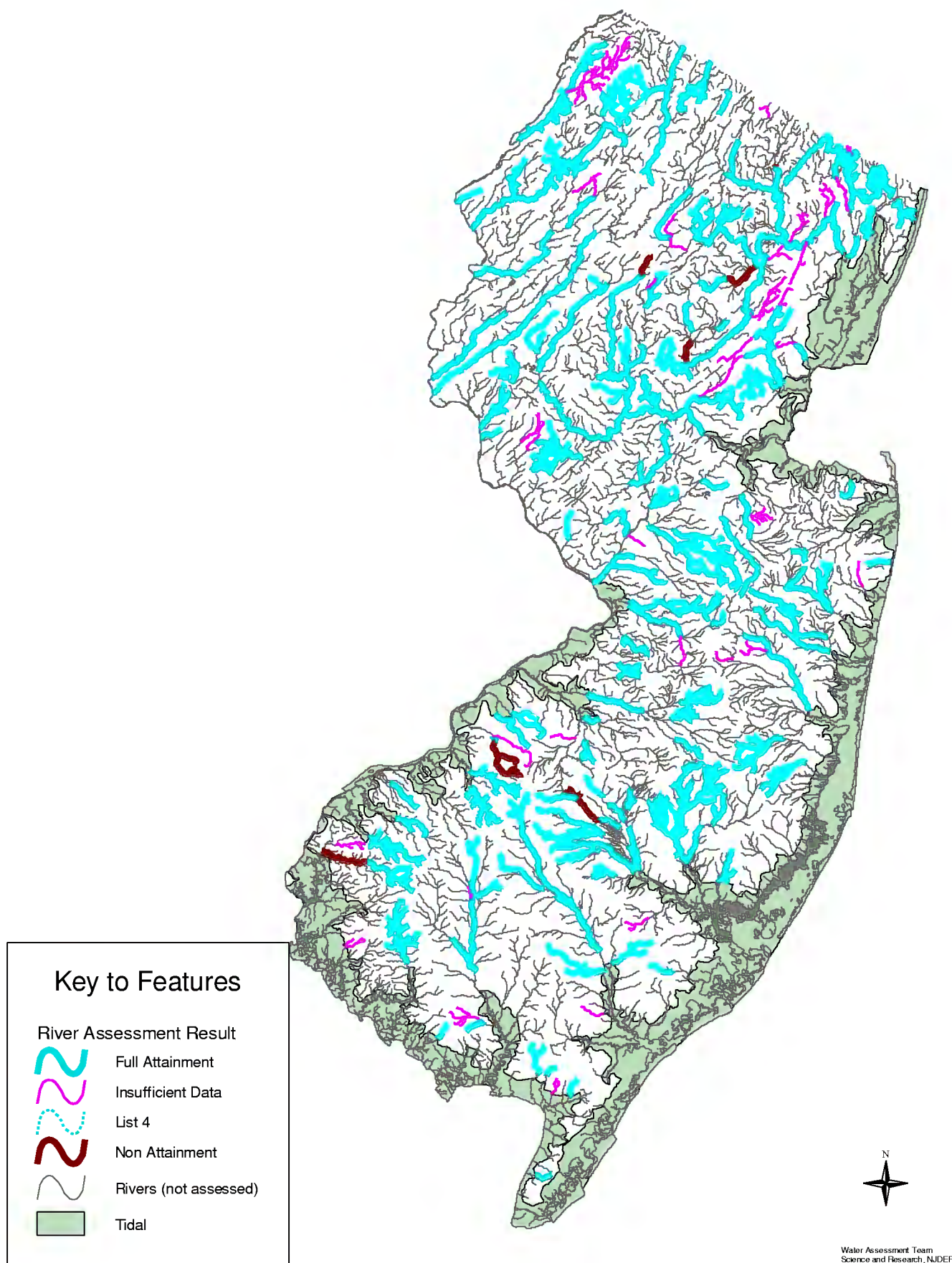


FIGURE 2.1a-6. Dissolved Oxygen Assessed River Segments. Includes monitored and estimated river assessments.



Temperature Water Quality Assessment

Temperature criteria were established to protect aquatic life designated uses, and are based upon stream classifications. The criteria for stream classifications do not allow thermal alterations that would cause temperatures to exceed ambient temperatures by an established limit, in addition, enforce a maximum temperature limit. The stream classification criteria include:

- Trout Production waters – No temperature deviations of 0.6EC above ambient temperatures or (20EC used as a maximum temperature);
- Trout Maintenance waters – No temperature deviations of 1.1EC above ambient temperatures or a maximum temperature no greater than 20EC;
- Non trout waters – No temperature deviations greater than 2.8EC above ambient temperatures or maximum temperatures no greater than 27.8EC for small mouth bass or yellow perch waters or 30EC for other non trout waters,
- Pineland waters – No temperature deviations greater than 2.8EC above ambient temperatures or maximum temperatures no greater than 30EC.

The assessments in this report used the maximum temperature as the criteria since ambient water temperatures for streams have not been calculated.

Approximately 2,070 river miles representing 257 sites were assessed for temperature. Excluding sites having insufficient data, results indicate 87% of the sites fully attain standards for temperature and 13% of the sites exceed the standards. All sites with exceedances for temperature were either trout production or trout maintenance waters, whereas streams classified as non trout or Pineland waters fully attained standards for temperature throughout the state. The only exceptions were 3 sites carried over from the 1998 303(d) List that have no updated data (see Table 2.1a-16). One site, Pequannock River above Pacock, was placed on List 4 due to the building of a beaver dam causing the temperature exceedances. Most of the sites not attaining temperature standards are located in northwest New Jersey and the upper portion of South Branch Raritan River.

Included in the assessment for temperature was a special study conducted by the Pequannock River Coalition during 2000 and 2001. The results of the study indicated widespread temperature violations along the Pequannock River. With the river dominated by reservoirs along its waterway, it is suspected that reservoir discharge rates may be affecting water temperature in the Pequannock River.

The overall status of temperature assessments is provided in Table 2.1a-14. Results for individual stations are depicted on Figure 2.1a-7 and shown in Table II-3 in the Appendix.

Table 2.1a-14: Temperature Status

Temperature Status	Number of Stations	Percent of Stations	Number of Assessed River Miles		Percent of Assessed River Miles	
			Monitor	Estimate	Monitor	Estimate
Sublist 1	195	76%	1239	374	78%	77%
Sublist 3	32	12%	167	35	11%	7%
Sublist 4	1	1%	5	0	>1%	0%
Sublist 5	29	11%	175	75	11%	16%
Totals	257	100%	1586	483	100%	100%

Table 2.1a-15: Temperature Stations Exceeding SWQS

WMA	Station Number	Station Name	WMA	Station Number	Station Name
02	01367625	Wallkill River at Sparta	01	01455801	Musconetcong River at Lockwood
03	01382500	Pequannock River at Macopin Intake Dam	01	01456200	Musconetcong River at Beattystown
08	01396280	SB Raritan River at Middle Valley	01	01457400	Musconetcong River at Riegelsville
08	01396535	SB Raritan River at Arch St at High Bridge	11	01461300	Wickecheoke Creek at Stockton
08	01396550	Spruce Run at Newport	03	PQ10	Pequannock River -Butler
08	01396588	Spruce Run near Glen Gardner	03	PQ11	Pequannock River at Riverdale
08	01396800	Spruce Run at Clinton	03	PQ3	Pequannock River below Pacock
08	01397000	SB Raritan River at Stanton Station	03	PQ4	Pequannock River above Clinton
10	01401440	Millstone River at Kingston	03	PQ5	Pequannock River below Clinton
13	01408100	NB Metedeconk River at Lakewood	03	PQ6	Macopin River
01	01440000	Flat Brook near Flatbrookville	03	PQ7	Pequannock River above Macopin
01	01443500	Paulins Kill at Blairstown	03	PQ8	Pequannock River below Macopin
01	01446400	Pequest River at Belvidere	17		Salem River at Courses Landing
01	01455200	Pohatcong Creek at New Village	14		Mullica River at Green Bank
01	01455500	Musconetcong River at Lake Hopatcong			

Of the 22 sites on the 1998 303(d) list, 7 were sites transferred to sublist 5 on the 2002 Integrated List (Table 2.1a-16), 9 sites were re-evaluated and remained on sublist 5, and 6 sites were delisted (Table 2.1a-17).

In a unique situation, one site, the Wallkill River at Franklin, was delisted using data from nearby sites. Data collected at Wallkill River at Scott Road at Franklin during 1999 demonstrated full compliance with the temperature criteria at the Wallkill River at Franklin site. Additional data collected in a special three day sampling effort, during the summer of 1999 called 303d Reconnaissance Monitoring, confirm temperatures consistently meet their criteria as well. Furthermore, temperature data from 1996 to 2000 at sites downstream and upstream on the Wallkill show full compliance for non trout waters.

Table 2.1a-16: Temperature Sites Carried Over From 1998 303(d) List

WMA	Station Number	Station Name	Stream Classification
08	01396800	Spruce Run at Clinton	Trout Production
10	01401440	Millstone River at Kingston	Non-Trout
01	01455500	Musconetcong River at Lake Hopatcong	Trout Maintenance
01	01455801	Musconetcong River at Lockwood	Trout Maintenance
11	01461300	Wickecheoke Creek at Stockton	Trout Maintenance
17		Salem River at Courses Landing	Non-Trout
14		Mullica River at Green Bank	Non-Trout

Table 2.1a-17: Delisted Temperature Sites From 1998 303(d) List

WMA	Station Number	Station Name
02	01367700	Wallkill River at Franklin
08	01398260	NB Raritan River near Chester
08	01399500	Lamington River near Pottersville
01	01443440	Paulins Kill at Balesville
01	01457000	Musconetcong River near Bloomsbury
17	01482500	Salem River at Woodstown

FIGURE 2.1a-7. Temperature Station Status. Includes delisted stations and sites carried over from the 1998 303(d) List.

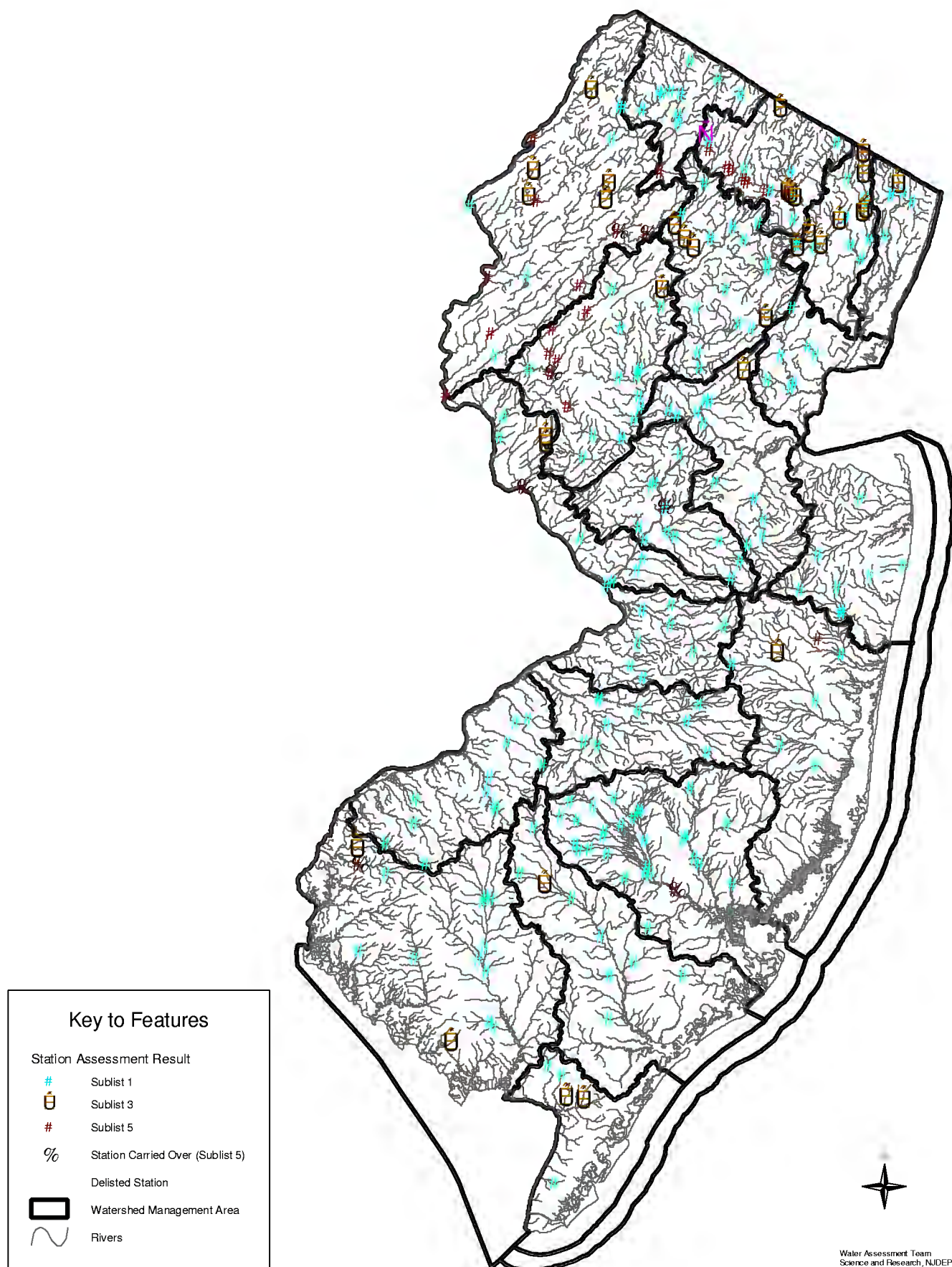
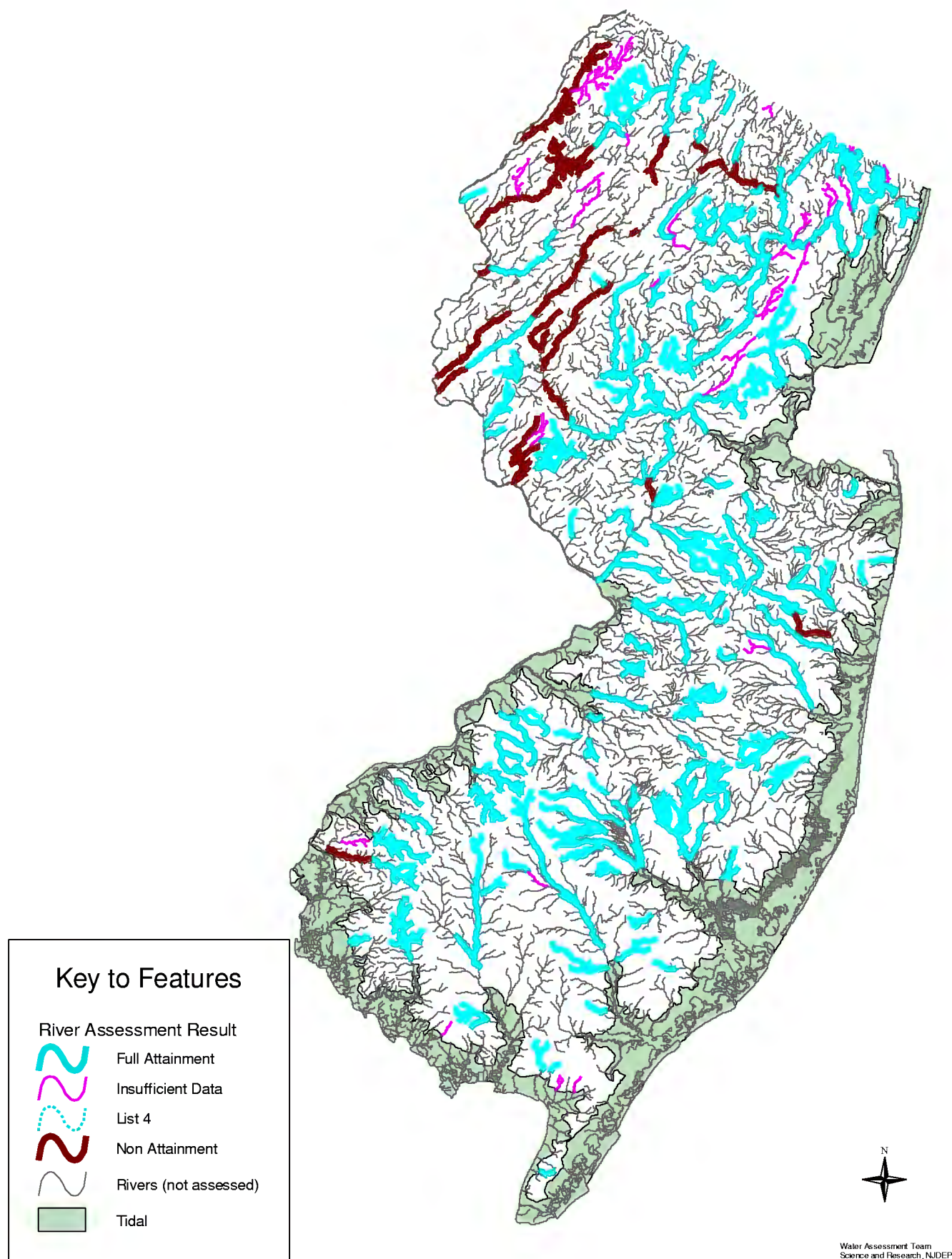


FIGURE 2.1a-8. Temperature Assessed River Segments. Includes monitored and estimated river assessments.



Ammonia Water Quality Assessment

Ammonia exists in two forms in water, ionized ammonia (NH_4^+) and unionized ammonia (NH_3). Together both forms of ammonia are called total ammonia nitrogen. Most ammonia is the ionized form used by phytoplankton and other aquatic plants as a nutrient, however, the unionized form is toxic to fish and other aquatic life. The calculation to determine the percentage of NH_3 is dependant on temperature and pH. Increasing temperature and pH levels increase the concentration of unionized ammonia. The criterion for unionized ammonia in non-trout (NT) and Pinelands waters is set at 50 parts per billion (ppb or ug/l), and in trout production (TP) and trout maintenance (TM) waters, the criterion is set at 20 ppb.

Prior to upgrades and regionalization of sewage treatment plants, ammonia exceedances were common in streams receiving effluent. Since then, the improvement of unionized ammonia concentrations in water quality statewide has been dramatic. Of the 241 stations assessed from 1996-2000, all are fully attaining the SWQS criteria for unionized ammonia (UIA). The only two stations on Sublist 5 were carried over from the 1998 303(d) List due to no new data collected at these sites (See Table 2.1a-19). Only 4 stations had any unionized ammonia violations: Wallkill River at Sparta; mouth of Hohokus Brook at Paramus; South Branch Raritan River at Stanton Station; and Paulins Kill at Blairstown. Each site had one violation with Hohokus Brook having the highest concentration of 129 ppb. Additional sampling at Hohokus Brook is needed to evaluate whether the conditions that contributed to the exceedance are reoccurring. Additionally, 12 of 14 stations were delisted from the 1998 303(d) List based upon data collected between 1996-2000 (see Table 2.1a-20). These findings are consistent with decreasing trends in total ammonia associated with reduction of ammonia in effluent. Results are summarized on Table 2.1a-18 below and provided for each station in Table II-8 in the Appendix.

Table 2.1a-18: Unionized Ammonia Status

UIA Status	Number of Stations	Percent of Stations	Number of Assessed River Miles		Percent of Assessed River Miles	
			Monitor	Estimate	Monitor	Estimate
Sublist 1	224	92%	1461	465	94%	96%
Sublist 3	17	7%	84	2	5%	1%
Sublist 4	0	0%	0	0	0%	0%
Sublist 5	2	1%	12	16	1%	3%
Totals	243	100%	1557	483	100%	100%

Table 2.1a-19: UIA Stations Exceeding SWQS

WMA	Station Number	Station Name	Comments
04	01391200	Saddle River at Fairlawn	Carried over from 1998 303(d) List
11	01461300	Wickecheoke Creek at Stockton	Carried over from 1998 303(d) List

Table 2.1a-20: Delisted UIA Sites From 1998 303(d) List

WMA	Station Number	Station Name
06	01381800	Whippany River near Pine Brook
06	01382000	Passaic River at Two Bridges
04	01389500	Passaic River at Little Falls
04	01391500	Saddle River at Lodi
08	01398000	Neshanic River at Reaville
08	01399200	Lamington River near Ironia
08	01396660	Mulhockaway Creek at Van Syckel
09	01400500	Raritan River at Manville
10	01401440	Millstone River at Kingston
18	01467140	Cooper River at Lawnside
18	01467150	Cooper River at Haddonfield
17	01482500	Salem River at Woodstown

FIGURE 2.1a-9. Unionized Ammonia Station Status. Includes delisted stations and sites carried over from the 1998 303(d) List.

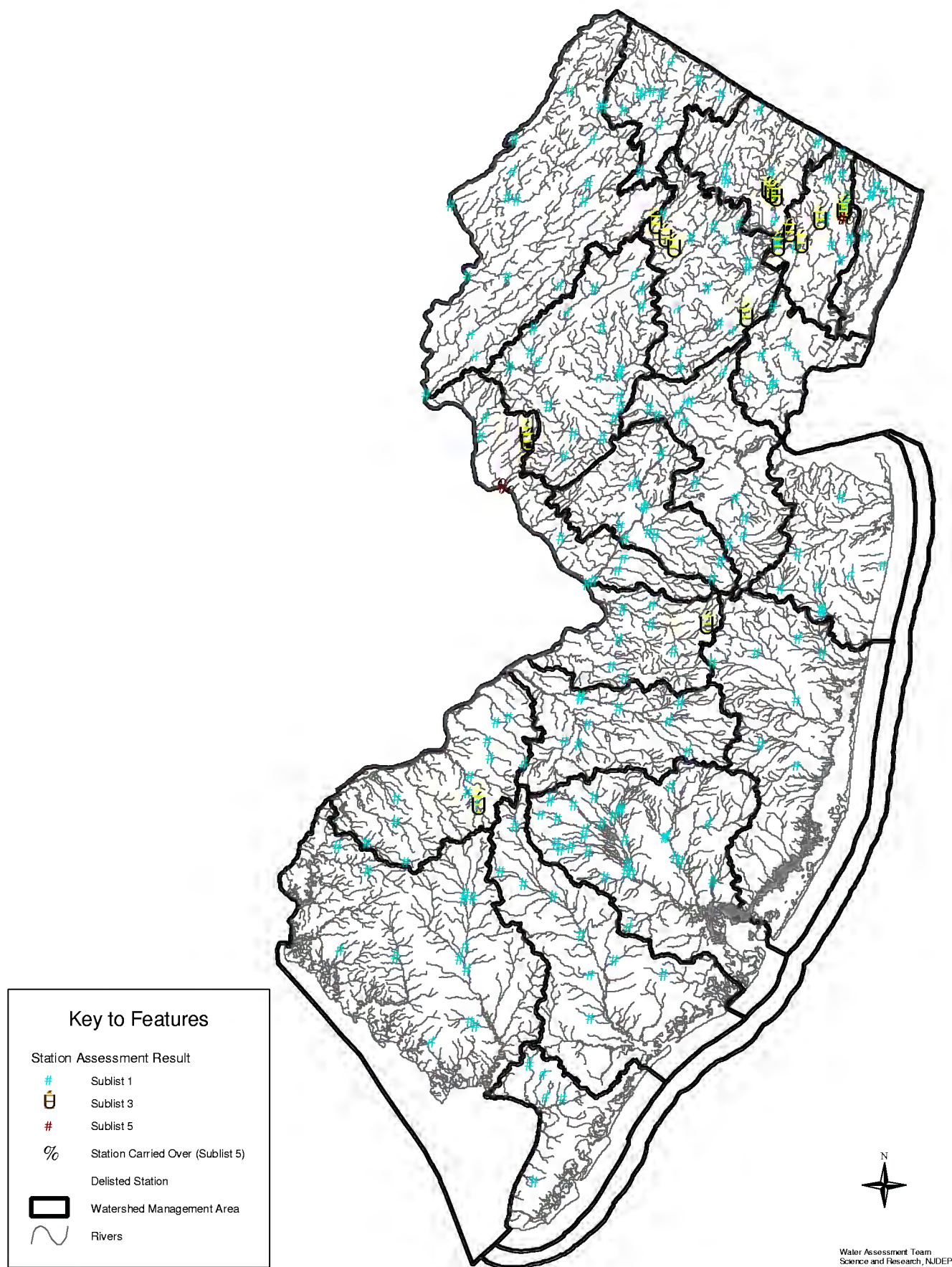
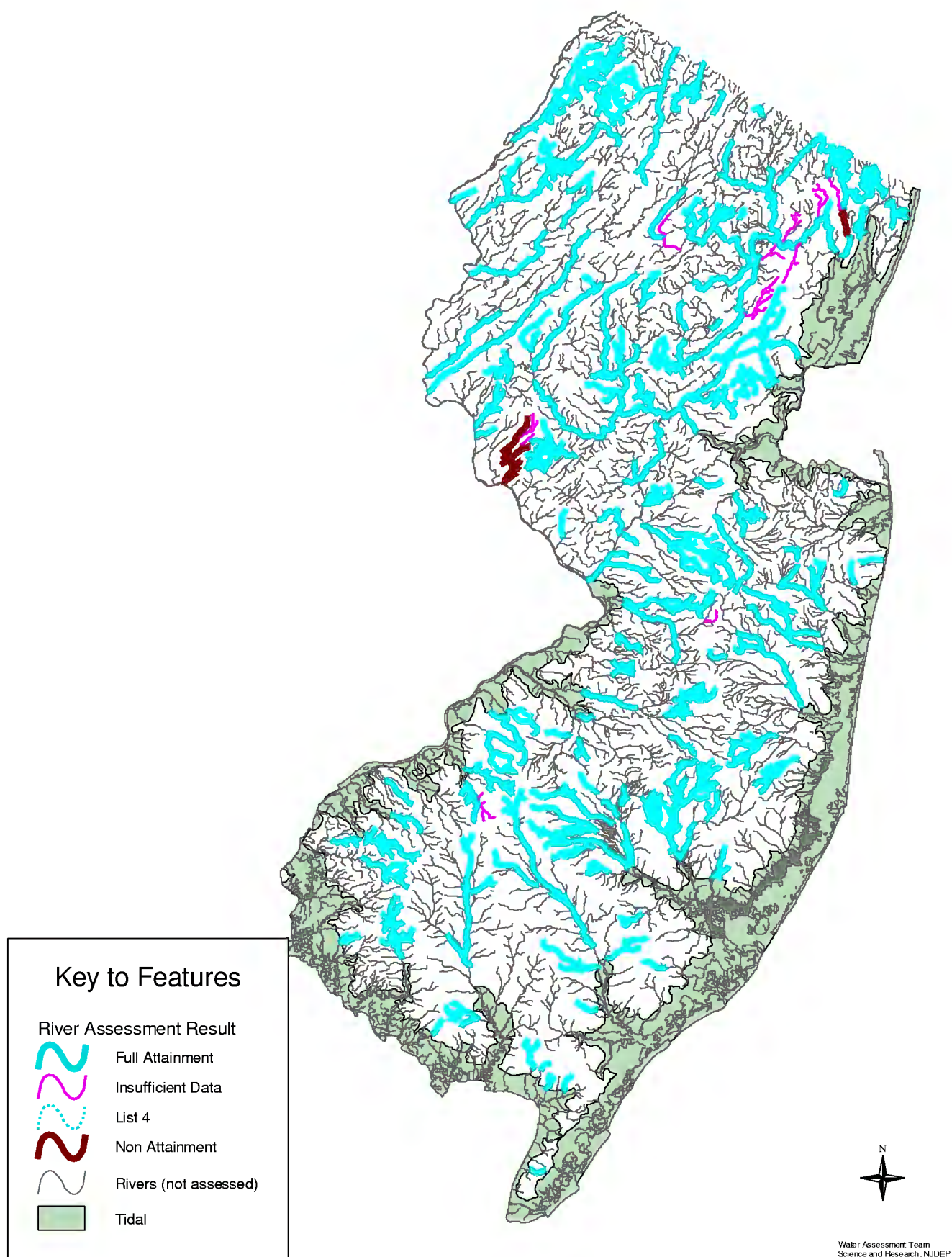


FIGURE 2.1a. Unionized Ammonia Assessed River Segments. Includes monitored and estimated river assessments.



Total Suspended Solids Water Quality Assessment

In order to protect aquatic life from excessive sedimentation, total suspended solids (TSS) criteria were established in the NJ SWQS. TSS measures suspended sediment particles contained within the water column; specifically those particles that are retained on a 0.45 um membrane filter. TSS can consist of silt, sediment, industrial and municipal waste, and decaying plant and animal matter. It is related to turbidity. The standards for total suspended solids are: 25 mg/l for trout production and trout maintenance waters, and 40 mg/l for non trout and Pineland waters.

A total of 257 sites representing 2,022 river miles were assessed for TSS. The fully attaining sites comprise over 94% of the assessed sites, while only 6% exceed the standards for TSS, when excluding the sites with insufficient data (Sublist 3). TSS exceedances most commonly occur during high flows when erosion of streambanks and soils in runoff contribute to elevated TSS levels. This is evident at the 10 sites exceeding TSS criteria experiencing a majority of their exceedances during high flows. Consequently, stations with very little high flow data available may be masking their TSS exceedances.

The contribution of soil erosion to TSS exceedances can be noted with 8 of the 10 impacted sites located north of the Coastal Plain Region. The Coastal Plain Region is characterized by sandy soil and flat terrain that limits soil erosion into rivers and streams; whereas the other regions in the state are more susceptible to erosion. Although 2 sites with TSS exceedances are located in the Coastal Plain, they are in areas where the soil comprises mostly of clay and silt and are vulnerable to erosion. The only site on the 1998 303(d) list for TSS, Hammonton Creek at Westcoatville (which is also located in the Coastal Plain) was delisted (see Table 2.1a-23).

Results for individual stations are depicted in Figure 2.1a-11 and in Table II-6 and Table II-12 in the Appendix. Results are summarized below.

Table 2.1a-21: Total Suspended Solids Status

TSS Status	Number of Stations	Percent of Stations	Number of Assessed River Miles		Percent of Assessed River Miles	
			Monitor	Estimate	Monitor	Estimate
Sublist 1	157	61%	1102	365	71%	79%
Sublist 3	90	35%	366	52	23%	11%
Sublist 4	0	0%	0	0	0%	0%
Sublist 5	10	4%	95	48	6%	10%
Totals	257	100%	1563	465	100%	100%

Table 2.1a-22: TSS Stations Exceeding SWQS

WMA	Station Number	Station Name	Number of Samples	Percent Exceed	Median TSS
06	01379200	Dead River near Millington	14	21.4%	25.6
06	01379500	Passaic River near Chatham	13	15.4%	27.2
06	01381800	Whippany River near Pine Brook	19	15.8%	16.7
08	01398000	Neshanic River at Reaville	52	11.6%	6.8
10	01400540	Millstone River near Manalapan	15	13.3%	24.7
10	01401000	Stony Brook at Princeton	35	17.0%	32.2
09	01403300	Raritan River at Queens Bridge	51	13.7%	7.2
09	01403900	Bound Brook at Middlesex	46	19.6%	39.8
01	01445500	Pequest River at Pequest	15	13.3%	16.75
18	01467081	SB Pennsauken Creek at Cherry Hill	15	13.0%	21.3

Table 2.1a-23: Delisted TSS Sites From 1998 303(d) List

WMA	Station Number	Station Name
14	01409416	Hammonton Creek at Westcoatville

FIGURE 2.1a-11. Total Suspended Solids Station Status. Includes delisted stations and sites carried over from the 1998 303(d) List.

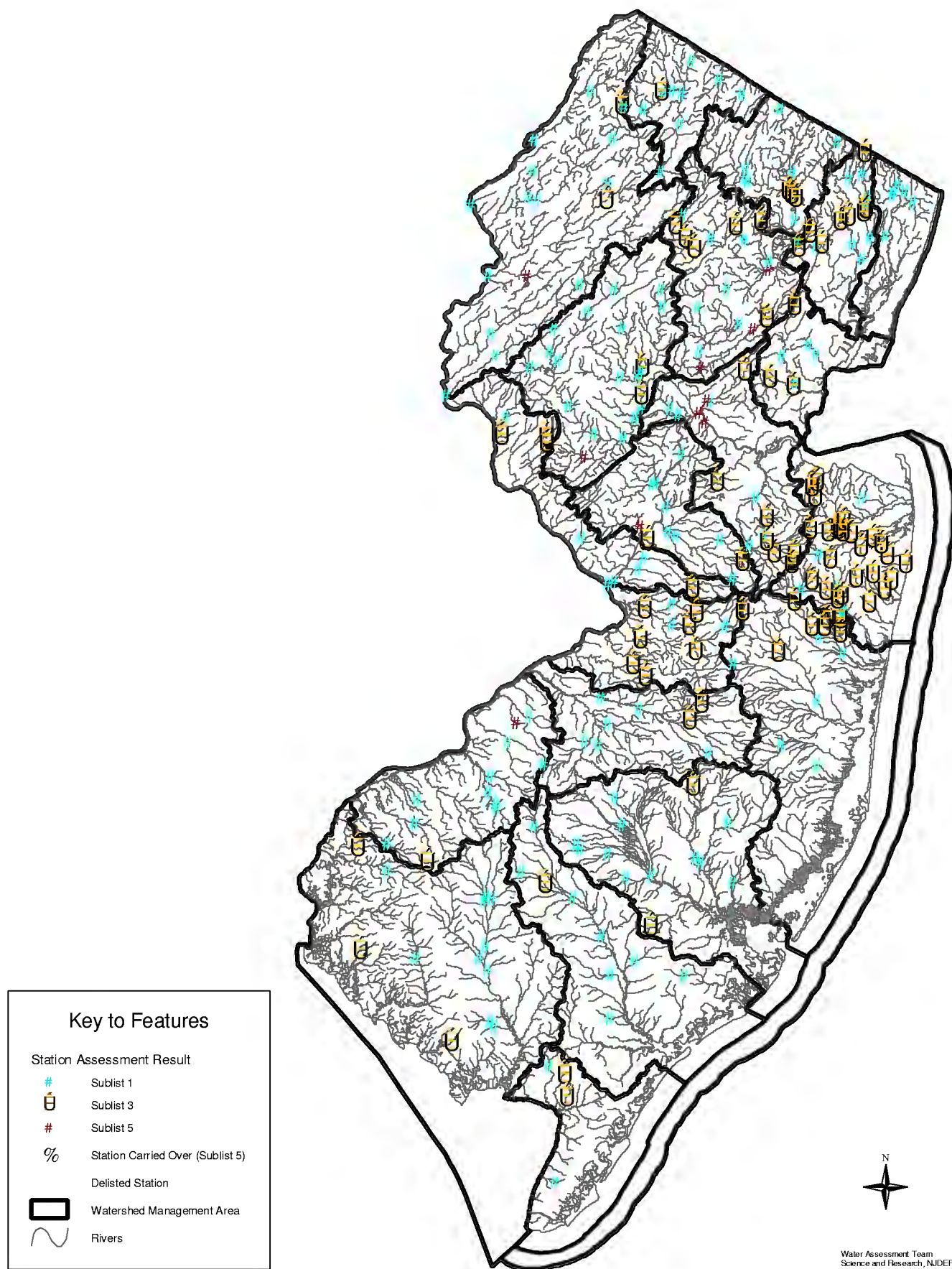
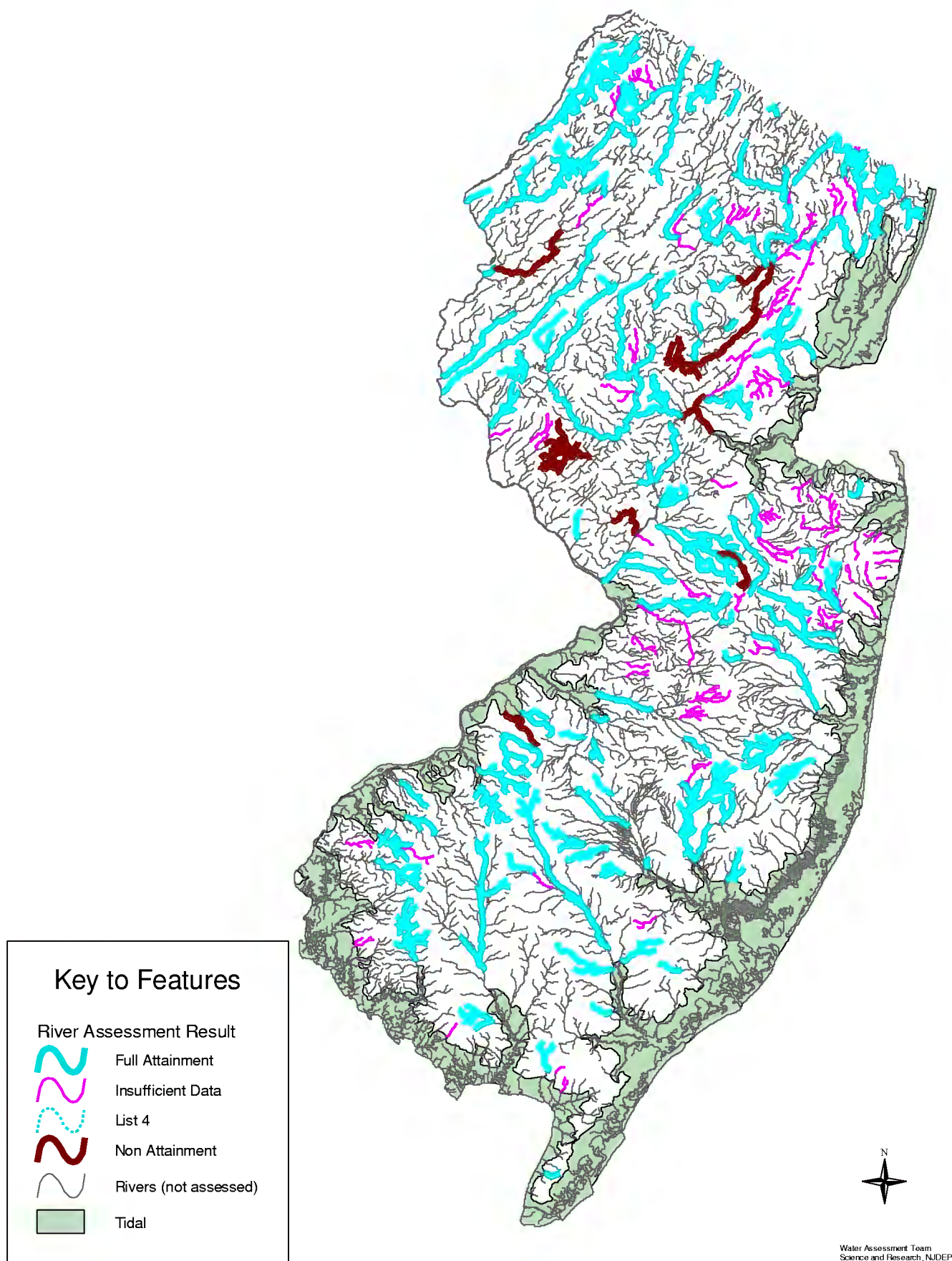


FIGURE 2.1a-12 . Total Suspended Solids Assessed River Segments. Includes monitored and estimated river assessments.



Total Dissolved Solids Water Quality Assessment

Total dissolved solids (TDS) is comprised of minerals, inorganic salts, cations, and anions dissolved in water. The chemical composition of TDS includes the principal ions such as carbonate, bicarbonate, calcium, magnesium, potassium, sodium, chloride, and sulfate. The total dissolved solids criteria, 500 mg/l, was established in the SWQS to primarily meet secondary drinking water standards.

For the assessment of total dissolved solids, 227 sites representing 1,921 river miles were evaluated. Over 98% of the stations fully met the standards for TDS when excluding sites with insufficient data. Three sites exceeded the criteria for TDS and included Elizabeth River at Ursino Lake at Elizabethtown, West Branch Rahway River at Northfield Ave. at West Orange, and East Branch Bass River near New Gretna (see Table 2.1a-25). All three sites were listed on the 1998 303(d) List. The Elizabeth River site was re-assessed using recent data verifying that conditions still are not meeting the criteria for TDS. The other two sites were carried over from the 1998 303(d) List because more recent data was insufficient for assessments. The only other site on the 303(d) list was de-listed, South Branch Rancocas Creek at Vincentown.

Assessment results for total dissolved solids are summarized in Table 2.1a-24 below. Results for individual stations are depicted in Figure 2.1a-13 and in Table II-5 in the Appendix.

Table 2.1a-24: Total Dissolved Solids Status

TDS Status	Number of Stations	Percent of Stations	Number of Assessed River Miles		Percent of Assessed River Miles	
			Monitor	Estimate	Monitor	Estimate
Sublist 1	188	83%	1268	420	86%	94%
Sublist 3	36	16%	190	29	13%	6%
Sublist 4	0	0%	0	0	0%	0%
Sublist 5	3	1%	13	2	1%	>1%
Totals	227	100%	1471	451	100%	100%

Table 2.1a-25: Stations with Exceedences of TDS

WMA	Station Number	Station Name	Number of Samples	Percent Exceedance	TDS Maximum
07	01393450	Elizabeth River at Ursino Lake at Elizabethtown	15	20.0%	1440.0
07	01393960	WB Rahway River at Northfield Ave at West Orange	1998 303(d) List		
14	01410150	EB Bass River near New Gretna	1998 303(d) List		

Table 2.1a-26: Delisted TDS Sites From 1998 303(d) List

WMA	Station Number	Station Name
19	01465850	SB Rancocas Creek at Vincentown

FIGURE 2.1a-13. Total Dissolved Solids Station Status. Includes delisted stations and sites carried over from the 1998 303(d) List.

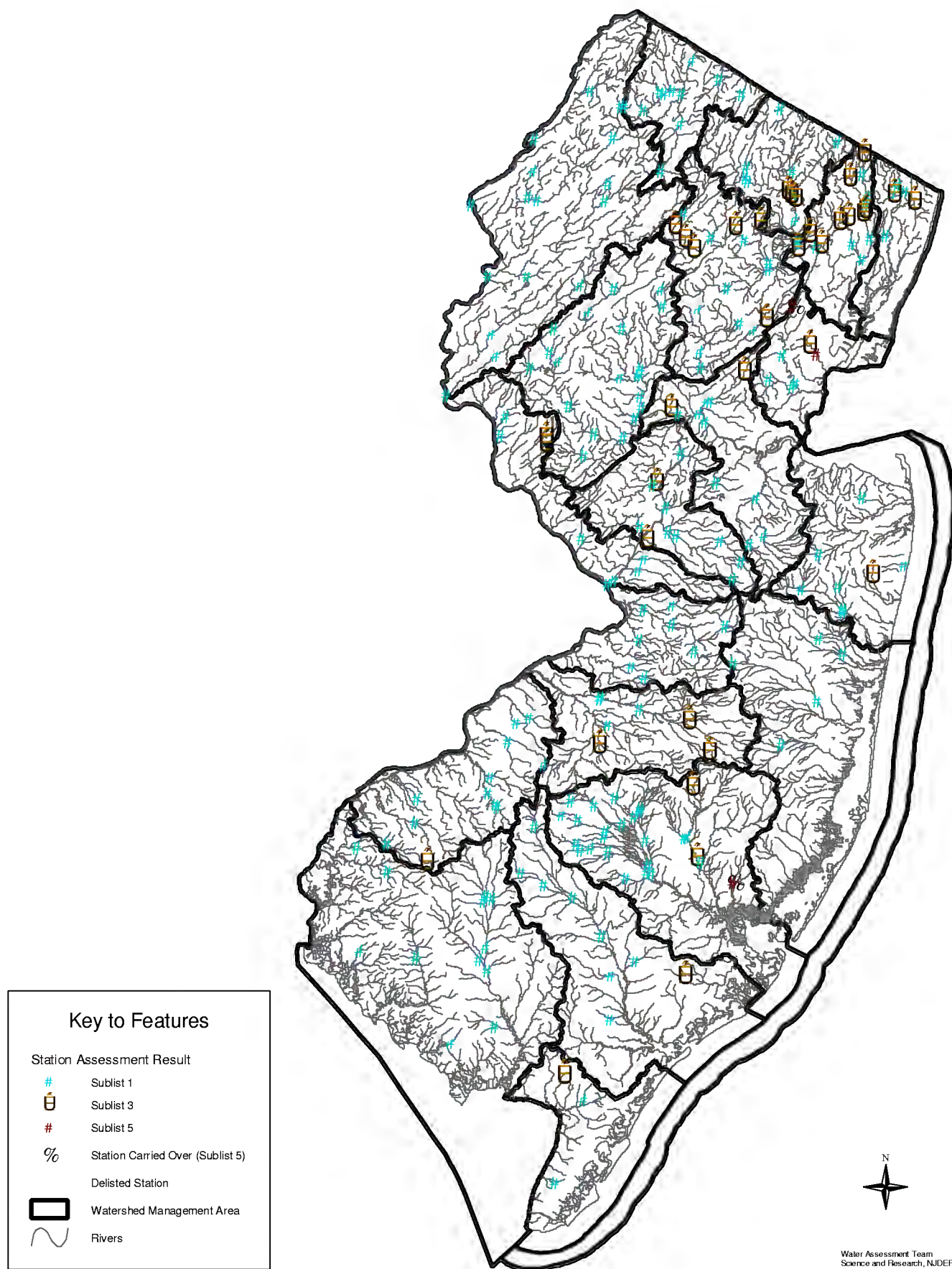
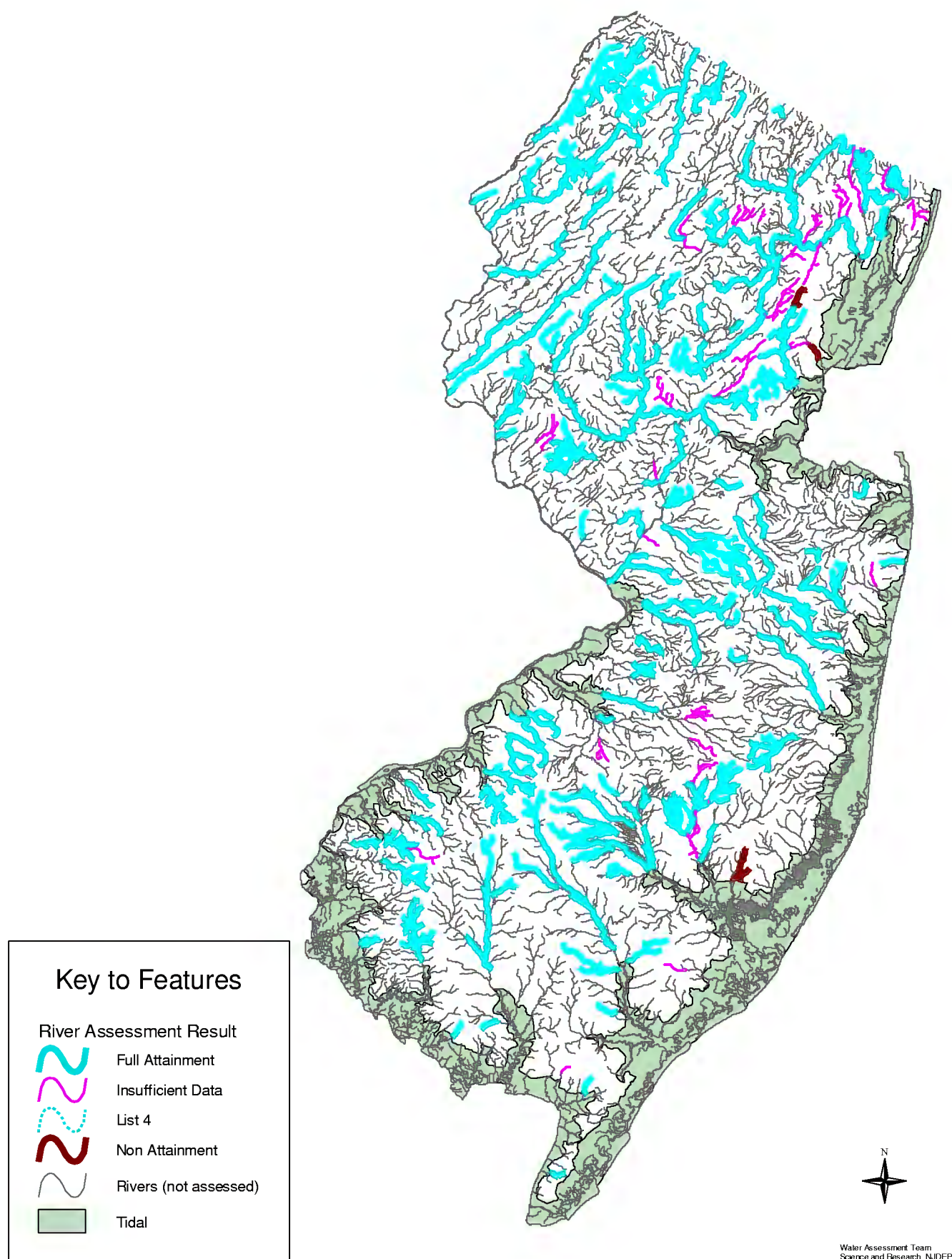


FIGURE 2.1a-14. Total Dissolved Solids Assessed River Segments. Includes monitored and estimated river assessments.



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Fecal Coliform Water Quality Assessment

See the Recreational Designated Use Assessment in Chapter 3, Section 3.1.B.

Nitrate Water Quality Assessment

See the Drinking Water Designated Use Assessment in Chapter 3, Section 3.1.C.

Source Assessment For Conventional Parameters

Total Phosphorus Source Assessment

As discussed above, elevated TP may contribute to excessive primary productivity in streams, lakes and reservoirs. Additional data and assessments are needed to evaluate whether excessive primary production is occurring and contributing to use impairments in streams. Eutrophic conditions have been found in 47 of 117 assessed public lakes.

Potential sources of nutrients (including TP) include domestic sewage effluent, agricultural runoff, municipal stormwater, golf courses, waste disposal, septic systems, sediment flux, air deposition, and contaminated groundwater. These sources were identified using water quality data, field observations and best professional judgement. This source assessment is considered preliminary. Further assessments will be done to evaluate relationships between flow, nutrients and primary productivity in rivers, lakes and reservoirs and to evaluate point and nonpoint source contributions to TP exceedances as TMDLs are planned, developed and implemented.

Relative Contributions of Point and Non-Point Sources- Under contract to NJDEP, USGS conducted a study to evaluate the relative contributions of point and nonpoint sources of pollution to freshwater streams. (USGS, 1999) The study included a statistical evaluation of water quality data collected between 1976 and 1993 in the Ambient Stream Monitoring Network (ASMN) at 79 stations. Water quality data for 20 parameters collected under high and low flow conditions were used to indicate the relative contribution of constant sources (i.e., point sources and groundwater inflow) and intermittent sources (i.e., nonpoint and stormwater sources).

Relative contributions of point and nonpoint sources to total phosphorus concentrations from the USGS study indicate that point sources contribute relatively more total phosphorus at 15 locations (20%), nonpoint sources contribute relatively more total phosphorus at 12 locations (16%) and both point and nonpoint sources are important at 46 locations (63). The results of this study provide a general indication of relative contributions of point and nonpoint sources. However, additional assessment and modeling will be conducted to evaluate indicators of excessive primary productivity issues in the watersheds and to develop TMDLs as needed.

As discussed previously, total phosphorus is a limiting nutrient in many freshwater systems and can contribute to excessive primary production (i.e., growth of aquatic algae and vegetation). In saline waters (i.e., salinity greater than 3 ppt), nitrogen is usually the limiting nutrient. Therefore, TP loads from point and non-point sources in estuarine and ocean waters are not likely to contribute to excessive primary productivity in coastal waters. Nitrogen loads to these waters may warrant additional investigation as a contributor to periodic low DO in the summer.

Elevated TP in Bottom Sediments- Between 1995 and 1997, streambed sediments were sampled once at 33 stations in the ASMN. The concentrations ranged from 40 parts per million (ppm) TP

to 4,200 ppm TP; the average concentration was 510 ppm TP. Concentrations in sediments are significantly higher than those in the water column.

TP Management Measures: Currently, NJDEP has included total phosphorus monitoring requirements or limits in NJPDES permits for 157 facilities that discharge treated effluent to freshwater rivers. In addition, the USDA is developing a policy to reduce or eliminate manure applications to farms based on TP concentrations in soils and TP needs of crops. The CREP program is expected to facilitate installation of buffer strips in 30,000 acres along agricultural stream corridors, further reducing TP runoff from agriculture. As TMDLs are planned and developed, areas with excessive primary productivity will be identified and targeted for management measures, including as appropriate, TP reduction strategies (see 2 year TMDL Schedule and Priority Listing in Appendix 1C and 1B).

pH Source Assessment

pH measurements that are outside acceptable criteria ranges may occur because of natural conditions (e.g., naturally acidic soils) or due to runoff of liming agents and nutrients from fertilizer, failing septs, animal wastes, or point source dischargers. Additional assessments are needed to identify pH excursions attributable to natural conditions from those caused by pollution. Normally, anthropogenic inputs tend to increase pH levels except for a few industries that may discharge acidic by-products. This may explain why the majority of impacted sites have elevated pH measurements, except for waterways surrounding the Pinelands.

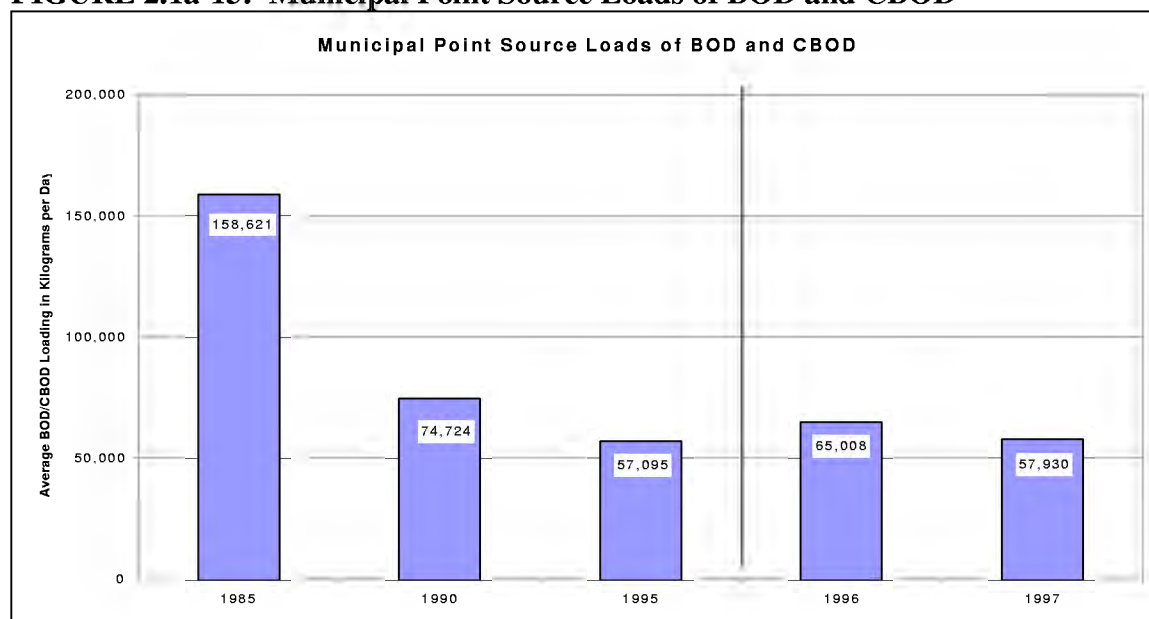
pH Management Measures: Areas that exhibit contravention of SWQS, with respect to pH, will be evaluated as TMDLs are planned and developed. The factors that contribute to these contraventions will be identified and managed according to the schedule developed in TMDL Memorandum of Agreement (see 2 year TMDL Schedule and Priority Listing in Appendix 1C and 1B). As mentioned earlier, the Department will study technical approaches to determine if site specific pH criteria are needed for the waters surrounding the Pinelands.

Dissolved Oxygen Source Assessment

Potential causes of exceedances of DO criteria include temperature, flow, eutrophication, biochemical oxidation demand (BOD) and chemical oxidation demand (COD). Further assessment will be done to evaluate point and nonpoint source contributions to DO exceedances as TMDLs are planned, developed and implemented.

Municipal Point Source Loads of BOD Indicator: Biochemical Oxygen Demand (BOD) indicate the amount of oxygen needed for biological degradation of organic materials in water and wastewater. Excessive BOD loadings from point and nonpoint sources may reduce ambient dissolved oxygen levels, stressing the aquatic community. As shown on Figure 2.1a-15, municipal point source BOD levels have decreased as a result of the Federal mandate for secondary treatment in 1988. As a result of improved wastewater treatment operations, BOD loadings have been relatively stable since 1990, although the number of residents in sewered areas has increased. Additional detail is available from the NEPPS Environmental Indicator Technical Report. (NJDEP, 1997 and www.state.nj.us/dep/dsr).

FIGURE 2.1a-15: Municipal Point Source Loads of BOD and CBOD



USGS evaluated 1998 in-stream BOD data from the Redesigned Ambient Stream Monitoring Network. Results from quarterly sampling were grouped by land use: background, forest, agricultural, and urban. Results show that median levels for all land use types were below 2 mg/l BOD, however, in urban areas in-stream BOD sometimes exceeded 10 mg/l BOD. Point and nonpoint source contribution to these in-stream levels will be evaluated further through TMDL development.

Temperature Source Assessment

Development in and around waterways is perhaps the primary source of temperature criteria exceedances in the state. Development can bring about the reduction or elimination of vegetation and trees in riparian zones that are needed to shade and cool the rivers, and building of impervious surface in the watershed can increase surface temperatures causing rising water temperatures. Development of waterways may include the damming of streams creating ponds and lakes that increase surface water area and consequently water temperatures. Currently, there are less than 50 lakes in the state that are natural. Finally, potential sources may include thermal inputs by point source dischargers such as cooling water

Temperature Management Measures: Areas that exhibit contraventions of SWQS, with respect to temperature, will be evaluated as TMDLs are planned and developed. The factors that contribute to these contraventions will be identified and managed according to the schedule developed in the TMDL Memorandum of Agreement (see 2 year TMDL Schedule and Priority Listing in Appendix 1C and 1B).

UIA Source Assessment

Exceedance of unionized ammonia (UIA) normally does not occur naturally. Most sources of criteria exceedances occur from failures in wastewater treatment plants or septics, runoff especially from animal feed lots, or possibly discharges from point sources.

UIA Management Measures: Further sampling at the two impacted sites will be explored to determine if high UIA conditions still exist. Areas that exhibit contraventions of SWQS, with respect to UIA, will be evaluated as TMDLs are planned and developed. The factors that contribute to these contraventions will be identified and managed according to the schedule developed in the TMDL Memorandum of Agreement (see 2 year TMDL Schedule and Priority Listing in Appendix 1C and 1B).

TSS Source Assessment

Elevated TSS may occur naturally in watersheds with highly erodable soils. Elevated TSS may also be caused by stream bank and streambed erosion and runoff due to land disturbance, stormwater discharges, and other flow-related conditions. Point source dischargers are also potential contributors to total suspended solids and to a smaller extent decaying plants and animals. Additional assessments are needed to evaluate potential causes of elevated TSS in the 10 locations identified in this assessment.

TSS Management Measures: Areas that exhibit contraventions of SWQS, with respect to TSS, will be evaluated as TMDLs are planned and developed. The factors that contribute to these contraventions will be identified and managed according to the schedule developed in the TMDL Memorandum of Agreement (see 2 year TMDL Schedule and Priority Listing in Appendix 1C and 1B).

TDS Source Assessment

Elevated TDS can occur naturally such as from runoff as it flows over rocks and soils, salt water intrusions, or mineral springs. On the other hand, TDS exceedances have been associated with urban runoff, runoff from agricultural areas, wastewater treatment discharges, failing septic, and decaying plants and animals. Further assessment will be done to evaluate point and nonpoint source contributions to DO exceedances as TMDLs are planned, developed and implemented.

TDS Management Measures: Further sampling at the two impacted sites, carried over from the 1998 303(d) List, will be explored to determine if high TDS conditions still exist. Areas that exhibit contraventions of SWQS with respect to TDS will be evaluated as TMDLs are planned and developed. The factors that contribute to these contraventions will be identified and managed according to the schedule developed in the TMDL Memorandum of Agreement (see 2 year TMDL Schedule and Priority Listing in Appendix 1C and 1B).

Section 2.1b. Metals

Metals, also referred to as trace elements, are a high priority issue in New Jersey due to the historical and present use of metals in the state and its persistence in the environment. The hazardous impact of metals on human and aquatic life are also well-known and continues to be a concern. The metals assessed for the 2002 Integrated List include the following parameters: arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, thallium, and zinc.

Prior exceedances of the SWQS for metals in non-tidal rivers have been documented at 71 sites on the 1998 303(d) List with many of the sites having multiple metals exceeding the standards. These 71 sites are now represented by 84 sampling stations on the 2002 Integrated List. Since the 1998 303(d) List was published, new data sampling for metals has occurred (see Data Sources below). As a result of the new data collection, a total of 142 individual metal listing (43% of the metal listings on the 1998 303(d) List) were delisted from the 1998 303(d) List after new data confirmed that conditions met the SWQS. Thirty-five metal listing were found to continue to have exceedances of metal standards, and 152 listing were carried over from the 1998 303(d) List due to no new data available or insufficient data to make a new assessment. The primary reason many of the sites did not have sufficient data for assessments was the lack of high flow data. Currently, EPA and NJDEP are in the process of collecting high flow data at these sites.

For the 2002 Integrated List, 111 stations representing 1,131 river miles were assessed with 502 river miles exceeding a standard for at least one metal. As seen in Figure 2.1b-1, lead, arsenic, copper, and mercury had the highest impairment of river miles in non-tidal waterways. Arsenic and lead also had the highest percentage of sites on sublist 5, both with 44% of sampling sites exceeding their criteria.

Several sites were excluded from the 2002 metals assessment because these sites could not be located on the GIS maps and therefore the river miles could not be calculated (see Table 2.1b-1 below).

Table 2.1b-1: Metal Sites excluded from Assessment Results

WMA	Station Name	Metals
05	Ackermans Creek Adjacent to Berry's Creek Reach 02030103-034-0.11	Chromium, Mercury, PCB, Chlorinated Benzenes
12	Birch Swamp Brook Adjacent to Matawan Creek Reach 02030104-328-0.42	Arsenic, Lead, Copper, PCB
08	Capepoulin (Capoloony) Creek Reach 02030105-043-0.00	DDT
09	Edmunds Creek Adjacent to Mill Brook at 02030105-059-0.00	PCB

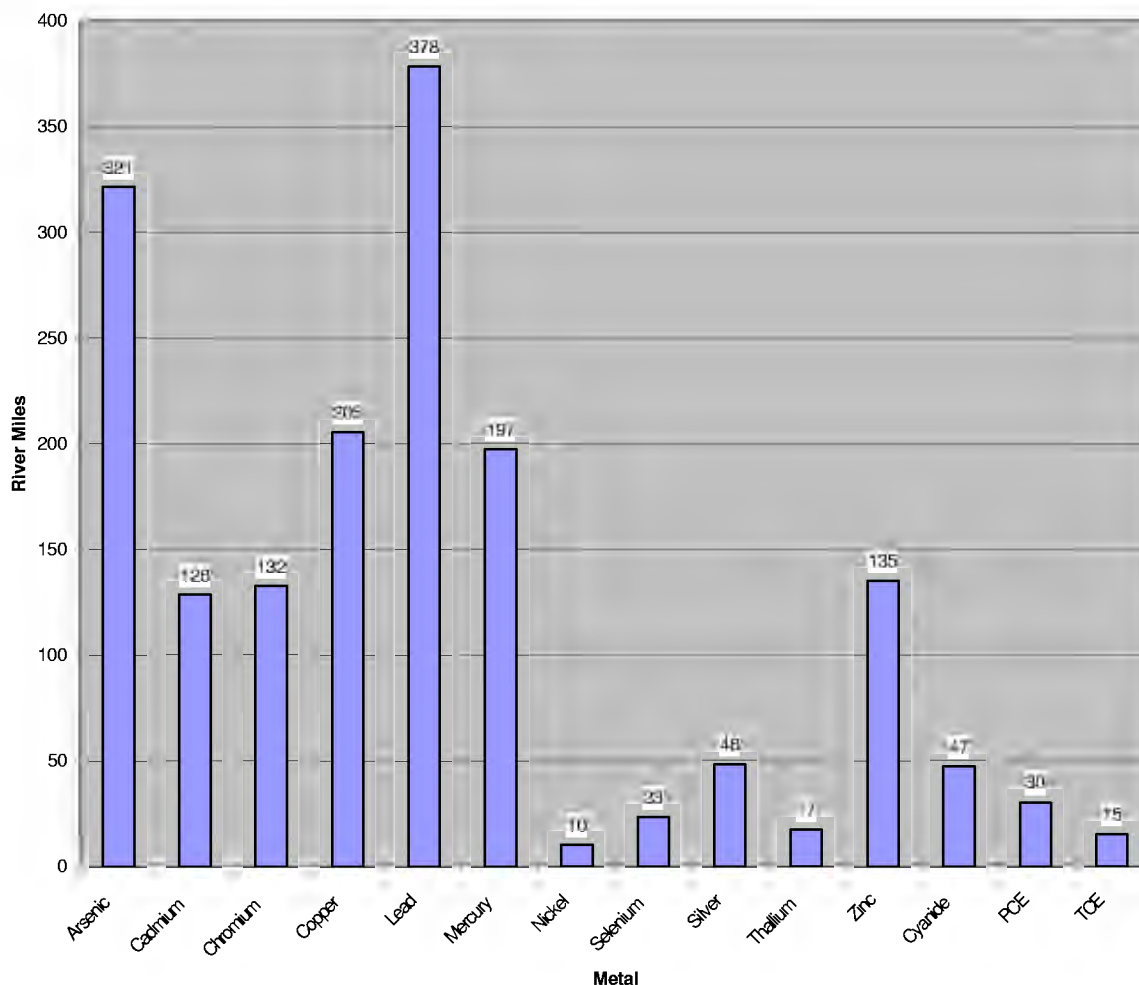


FIGURE 2.1b-1. River Miles with Metal Exceedances. Graph based on 14 metals listed on the 1998 303(d) List in non-tidal rivers

Data Sources

Historically, data assessed for metal impairments in freshwaters were generated primarily from the 1990 Assessment of Waters Impaired by Toxic Pollutants (NJDEP, 1990) also known as the 304(l) List; and, to a lesser extent, the NJDEP-USGS Cooperative Ambient Stream Monitoring Network (ASMN). Since many waterbodies had data based on water quality and effluent data collected in the early and mid-1980's, the need to reassess water quality for metals has been a high priority issue. In order to address this need, data collection commenced in 1998 with the 303d Evaluation Monitoring Network, as well as, continued data collection in the ASMN and Redesigned ASMN. These data have provided much needed information in the determination of the status of metals in the state's waterways.

See Appendix II, Data Sources for the 2002 NJ Integrated Report for details of the monitoring networks. Below are the data network sources for metals on the 2002 Integrated List:

- 303d Evaluation Monitoring (99 sites) – Primary source of new metal data. Targeted sites on the 1998 303(d) for metals. Sampled between 1998 to 2001. Forty-seven sites did not have high flow data available to complete the assessment.
- NJDEP/USGS Ambient Stream Monitoring Network (ASMN) (76 sites) –These sites were sampled prior to 10/97.
- NJDEP/USGS Redesigned Ambient Stream Monitoring Network (Redesigned ASMN) (73 sites) – implemented in October, 1997. Only one sample available. Since these sites lacked the data required for an assessment, they were not included in this report. However, 2 sites with extremely elevated metal concentrations along with 4 background sites with 3 samples available were included in the evaluation of metals.

Historical use of sample collection and analyses procedures that, while acceptable at the time, were less rigorous than current procedures may have resulted in overestimating concentrations of some metals. In addition, metals were monitored less frequently than conventionals (2 samples every 3 years), so fewer data points were available for listing decisions. Improvements have been made to water quality criteria for metals, including the conversion of most aquatic life criteria for metals from total recoverable to dissolved metals. Most available metals data were total recoverable metal. Thus, some waterbodies were identified as impaired because concentrations of total recoverable metals were above dissolved criteria. See the Integrated Assessment and Listing Methodology Report, Section 4.2.2, Metal Assessment (in non-tidal waters), for a detailed explanation of the new sampling protocol.

Water Quality Criteria for Metals

Criteria for the protection of human health, acute aquatic life, and chronic aquatic life must all be met in order for a metal to meet its designated use. Some aquatic life criteria are hardness-dependant, and decrease as water hardness decreases. Criteria were calculated using hardness at the time of sampling. See Table 2.1b-2 for SWQS metals criteria.

Some aquatic life criteria are based on the dissolved form of the metal. In the 303d Evaluation Monitoring, samples were analyzed for both total recoverable and dissolved metals. In the Ambient Stream Monitoring Network (ASMN) and Redesigned Network (Redesigned ASMN), only total recoverable metals were analyzed. This approach was used because review of historical data has shown that total recoverable metals were not detected at many locations; concentrations of dissolved metals are lower than total metals. For evaluations of previously listed waterbodies, an impairment was identified if the concentration of total recoverable metal exceeded the dissolved criterion, providing a conservative assessment. In these cases, collection of additional data on both total and dissolved metals concentrations is anticipated as part of the watershed/TMDL planning.

Table 2.1b-2 provides the minimum detection limit for the 303d Evaluation Monitoring Program data, numerical criteria for metals in freshwaters in New Jersey and the form of the metal for acute criteria. All human health criteria are based on the total recoverable metal. The table shows how hardness-dependant criteria change and gives an example of low hardness (10.0 mg/l) compared to high hardness (100 mg/l)

Table 2.1b-2: SWQS Metals Criteria

Sample Hardness:			10		100		
SWQS	MDL	HH	AQL(a)	AQL(c)	AQL(a)	AQL(c)	Acute Criteria Form
Arsenic	1	0.0170	360	190	360	190	dissolved
Cadmium	1	10	0.3	0.2	3.7	1.0	dissolved
Chromium-Tot	1	160	NA	NA	NA	NA	NA
Chromium-Hex	5	NA	15	10	15	10	dissolved
Copper	1	NA	2	2	17	11	dissolved
Lead	1	5.0	5	0.19	65	2.5	dissolved
Mercury	0.04	0.14	2.1	0.012	2.1	0.012	AQLa-dissolved AQLc-total recoverable
Nickel	1	516	202	22	1415	157	dissolved
Selenium	3	10	20	5.0	20	5.0	total recoverable
Silver	1	164	0.07	NA	3.4	NA	dissolved
Thallium	1	1.70	NA	NA	NA	NA	NA
Zinc	2	NA	16	15	114	105	dissolved

Calculated Concentration Factors

SWQS		AQL(a)	AQL(c)	AQL(a)	AQL(c)	
Cadmium		1.04	1.01	0.94	0.91	
Lead		1.13	1.13	0.79	0.79	

Notes:

SWQS Criteria in ug/l

MDL: Method Detection Limit

HH: Human Health Criterion; compare to Total Recoverable data

AQL(a): Acute Aquatic Life Criterion; Compare to Dissolved data

AQL(c): Chronic Aquatic Life Criterion; Compare to Dissolved data

Formulae used to calculate aquatic life criteria are available from the Surface Water Quality Standards Program.

Criteria for Aluminum, Beryllium and Iron have not been adopted.

From: Surface Water Quality Standards (N.J.A.C. 7:9B) and National Toxics Rule

Arsenic

A total of 108 sites representing 696 river miles were assessed for arsenic. Because the human health criteria is below the method detection level (MDL), no sites were placed on sublist 1 as “Full Attainment.” (see the Methods Document, Section 4.2.2 for an explanation of MDLs for metals) If the data showed no exceedances, it was listed under sublist 3 as “Insufficient Data.” Of the 60 sites on sublist 3, almost half of the sites (46% of sublist 3 sites) had no exceedances, but were assessed as “Insufficient Data.” Almost half of the total sites (44% of stations) were assessed as “non attainment”, of which 44% were carried over from the 1998 303(d) List due to insufficient data available for new assessments.

Results of the arsenic assessment are summarized below in Table 2.1b-3. Results for individual stations are depicted in Figure 2.1b-2 and in Tables II-15 through 18 in the Appendix.

Table 2.1b-3: Arsenic Status

Arsenic Status	Number of Stations	Percent of Stations	Number of Assessed River Miles		Percent of Assessed River Miles	
			Monitor	Estimate	Monitor	Estimate
Sublist 1	0	NA	0	0	NA	NA
Sublist 3	60	56%	375	0	54%	NA
Sublist 4	0	NA	0	0	NA	NA
Sublist 5	48	44%	321	0	46%	NA
Totals	108	100%	696	0	100%	NA

Of the 49 stations on the 1998 303(d) List for arsenic, only 31% were delisted (see Table 2.1b-4), and 21 of 34 sites remaining on sublist 5 were carried over due to insufficient data available (see Table 2.1b-5).

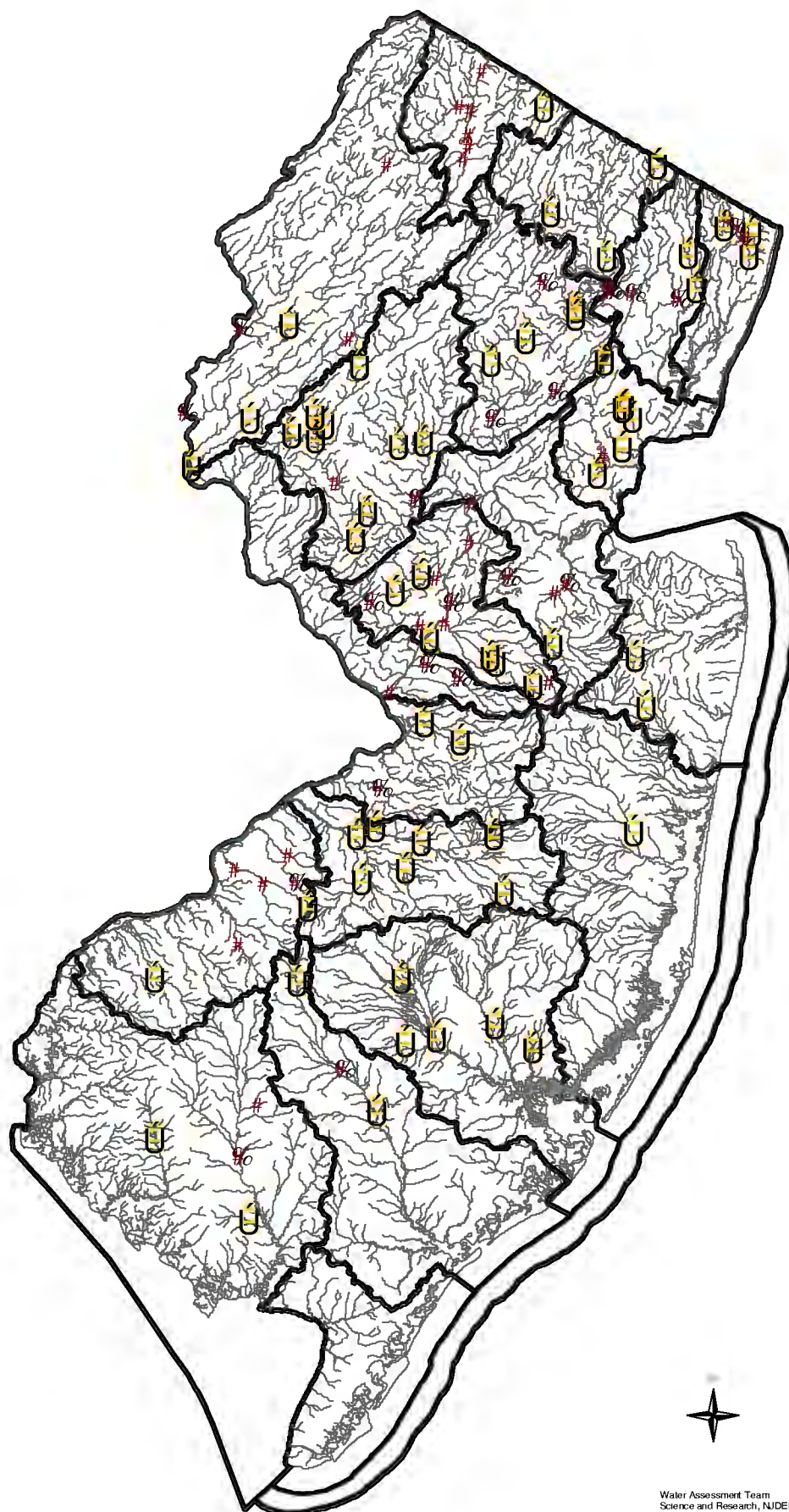
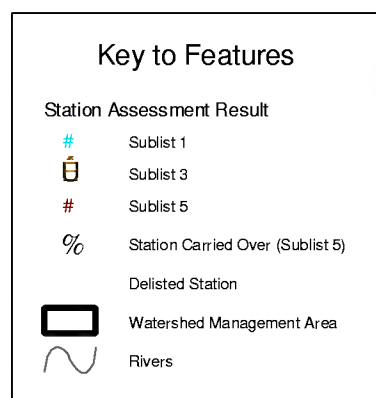
Table 2.1b-4: Delisted Arsenic Sites From 1998 303(d) List

WMA	Station Number	Station Name	WM A	Station Number	Station Name
06	01381200, 6-ROC-1, 6-SITE-10	Rockaway River at Pine Brook	14	01409416, 14-HAM-2	Hammonton Creek at Westcoatville
06	01381500, 6-WHI-1	Whippany River at Morristown	15	01410784, 15-GEH-1	Great Egg Harbor River near Sicklerville
06	01381800, 6-WHI-2	Whippany River near Pine Brook	15	01411110, 15-GEH-3	Great Egg Harbor River at Weymouth
03	01387500, 3-RAM-1, 3-SITE-9	Ramapo River near Mahwah	01	01445500, 1-PEQ-2	Pequest River at Pequest
04	01391200, 4-SAD-1, 4-SITE-13	Saddle River at Fair Lawn	01	01457000, 1-MUS-4	Musconetcong River near Bloomsbury
04	01391500, 4-SITE-12	Saddle River at Lodi	01	01457400, 1-MUS-5	Musconetcong River at Riegelsville
12	01408000, 12-MA-1, 12-MA-2, 12-MA-3	Manasquan River at Squankum	20	01464500, 20-CRO-1	Crosswicks Creek at Extonville
13	01408500, 13-TOM-1	Toms River near Toms River			

Table 2.1b-5: Arsenic Sites Carried Over From 1998 303(d) List

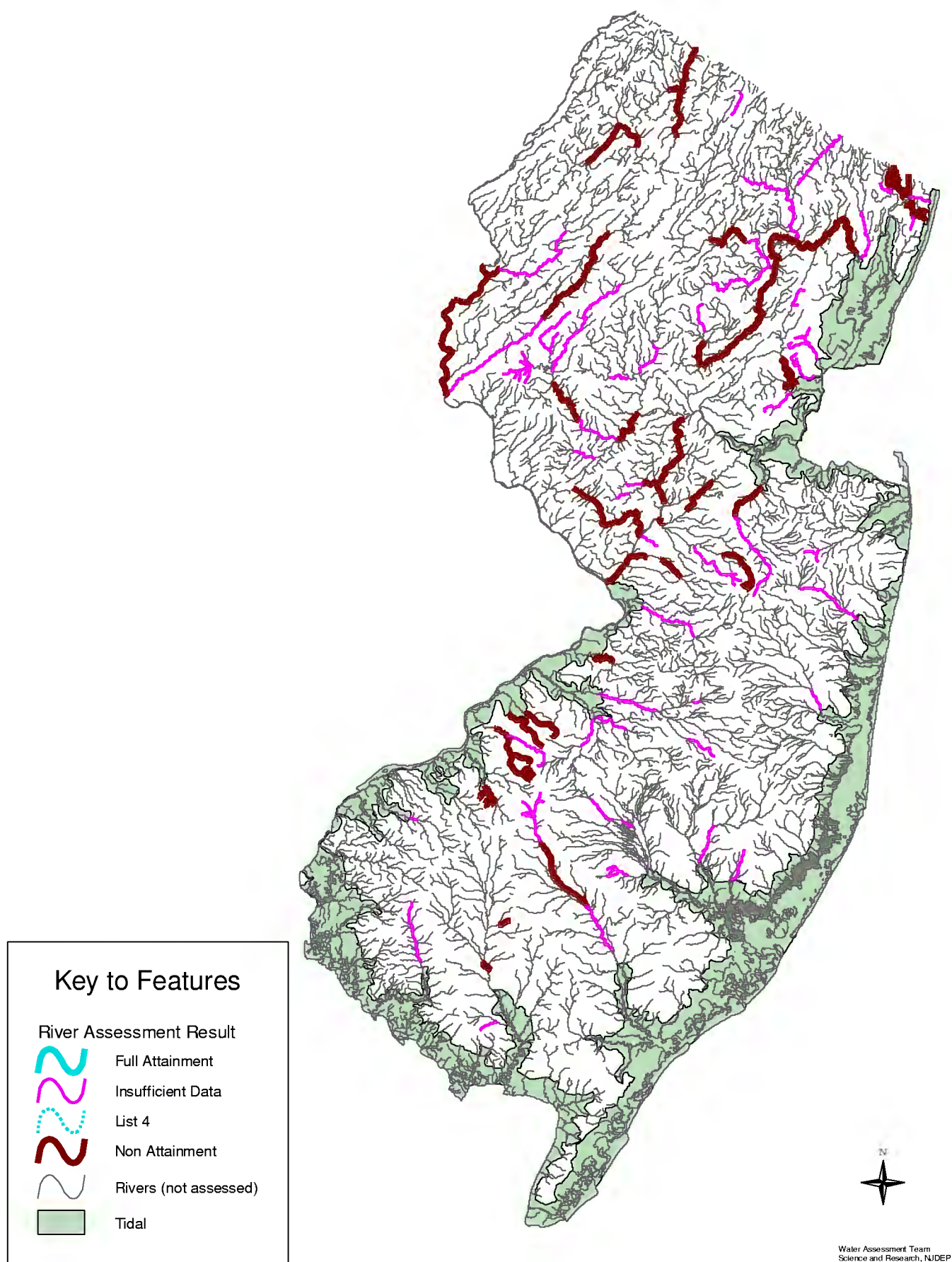
WMA	Station Number	Station Name		WMA	Station Number	Station Name
05	01377000, 5-HAC-3	Hackensack River at Rivervale		17	01411800, 17-MAU-1	Maurice River near Millville
06	01379000, 6-PAS-1, 6-SITE-2	Passaic River near Millington		01	01446400, 1-PEQ-3	Pequest River at Belvidere
06	01379500, 6-PAS-2, 6-SITE-1	Passaic River near Chatham		01	01447000,	Delaware River at Easton
06	01380500, 6-SITE-11	Rockaway River at Boonton		11	01463620, 11-AS-2	Assunpink Creek near Clarksville
06	01382000, 6-SITE-3	Passaic River at Two Bridges		18	01467081, 18-PE-3	SB Pennsauken Creek at Cherry Hill
04	01389130, 4-PAS-4	Passaic River at Sigac		10	10-STO-3	Stony Brook on Mine Rd in Hopewell Twp.
04	01389500, 4-PAS-3, 4-SITE-6	Passaic River at Little Falls		11	11-AS-4	Assunpink Creek at Route 535
04	01389880, 4-SITE-5	Passaic River at Elmwood Park		20	20-AS-1	Assiscunk Creek at Cedar Lane in Springfield
08	01398102, 8-SB-6	SB Raritan River at South Branch		09	9-LAW-1	Lawrence Brook at Davidsons Mill Rd in Black Horse
10	01401440, 10-MIL-2	Millstone River at Kingston		10	South River	South River
15	01411000, 15-GEH-2	Great Egg Harbor River at Folsom				

FIGURE 2.1b-2. Assessment Status of Stations Monitored for Arsenic. Includes sites delisted and carried over from the 1998 303(d) List.



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FIGURE 2.1b-3. Assessment Status for Arsenic in Rivers.



Cadmium

A total of 107 sites representing 683 river miles were assessed for cadmium. At low hardness levels, the criteria for cadmium is below the method detection level (MDL) and is therefore assessed as “Insufficient Data” although no exceedances of the criteria are detected (see the Methods Document, Section 4.2.2 for an explanation of MDLs for metals). As a consequence, over 77% of sites are on sublist 3. Of the 82 sites on sublist 3, almost half of the sites (45% of sublist 3 sites) had no exceedances, but were assessed as “Insufficient Data.” Only 16% of the sites were assessed as “non attainment”, of which all were carried over from the 1998 303(d) List due to insufficient data available for new assessments.

Results of the cadmium assessment are summarized below in Table 2.1b-6. Results for individual stations are depicted in Figure 2.1b-4 and in Tables II-15 through 18 in the Appendix.

Table 2.1b-6. Cadmium Status

Cadmium Status	Number of Stations	Percent of Stations	Number of Assessed River Miles		Percent of Assessed River Miles	
			Monitor	Estimate	Monitor	Estimate
Sublist 1	8	7%	77	0	11%	NA
Sublist 3	82	77%	478	0	70%	NA
Sublist 4	0	NA	0	0	NA	NA
Sublist 5	17	16%	128	0	19%	NA
Totals	107	100%	683	0	100%	NA

Of the 39 stations on the 1998 303(d) List for cadmium, 56% were delisted (see Table 2.1b-7) with 7 sites fully attaining standards and 15 sites found to have no exceedances but the criteria was below the MDL. The sites remaining on sublist 5 were all carried over due to insufficient data available (see Table 2.1b-8).

Table 2.1b-7. Delisted Cadmium Sites From 1998 303(d) List

WMA	Station Number	Station Name	WMA	Station Number	Station Name
04	01391200, 4-SAD-1, 4-SITE-13	Saddle River at Fair Lawn	10	01402000, 10-MIL-5, 10-MIL-6	Millstone River at Blackwells Mills
04	01391500, 4-SITE-12	Saddle River at Lodi	10	01402540, 10-MIL-3	Millstone River at Weston
01	01443440, 1-PAU-1	Paulins Kill at Balesville	12	01408000, 12-MA-1, 12-MA-2, 12-MA-3	Manasquan River at Squankum
01	01445500, 1-PEQ-2	Pequest River at Pequest	13	01408500, 13-TOM-1	Toms River near Toms River
01	01456200, 1-MUS-3	Musconetcong River at Beattystown	14	01409416, 14-HAM-2	Hamonton Creek at Westcoatville
01	01457000, 1-MUS-4	Musconetcong River near Bloomsbury	15	01410784, 15-GEH-1	Great Egg Harbor River near Sicklerville
01	01457400, 1-MUS-5	Musconetcong River at Riegelsville	15	01411110, 15-GEH-3	Great Egg Harbor River at Weymouth
06	01381200, 6-ROC-1, 6-SITE-10	Rockaway River at Pine Brook	11	01464020, 11-AS-3	Assunpink Creek at Peace Street at Trenton
06	01381500, 6-WHI-1	Whippany River at Morristown	18	01467150, 18-CO-4	Cooper River at Haddonfield
08	01396660, 8-MU-1	Mulhockaway Creek at Van Syckel	18	01477120, 18-RAC-1	Raccoon Creek near Swedesboro
10	01400540, 10-MIL-1	Millstone River near Manalapan	18	18-CO-1	Cooper River at Rte 130 in Camden

Table 2.1b-8 Cadmium Sites Carried Over From 1998 303(d) List

WMA	Station Number	Station Name	WMA	Station Number	Station Name
06	01379000, 6-PAS-1, 6- SITE-2	Passaic River near Millington	01	01446400, 1-PEQ-3	Pequest River at Belvidere
06	01379500, 6-PAS-2, 6- SITE-1	Passaic River near Chatham	01	01447000	Delaware River at Easton
06	01380500, 6-SITE-11	Rockaway River at Boonton	11	01463620, 11-AS-2	Assunpink Creek near Clarksville
04	01389130, 4-PAS-4	Passaic River at Sigac	10	10-STO-3	Stony Brook on Mine Rd in Hopewell Twp.
04	01389500, 4-PAS-3, 4- SITE-6	Passaic River at Little Falls	11	11-AS-4	Assunpink Creek at Route 535
04	01389880, 4-SITE-5	Passaic River at Elmwood Park	20	20-AS-1	Assiscunk Creek, Cedar Lane, Springfield
08	01396800, 8-SP-1	Spruce Run at Clinton	09	9-LAW-1	Lawrence Brook at Davidsons Mill Rd at Black Horse
10	01401440, 10-MIL-2	Millstone River at Kingston	10	South River	South River
15	01411000, 15-GEH-2	Great Egg Harbor River at Folsom			

FIGURE 2.1b-4. Assessment Status of Stations Monitored for Cadmium. Includes sites delisted and carried over from the 1998 303(d) List.

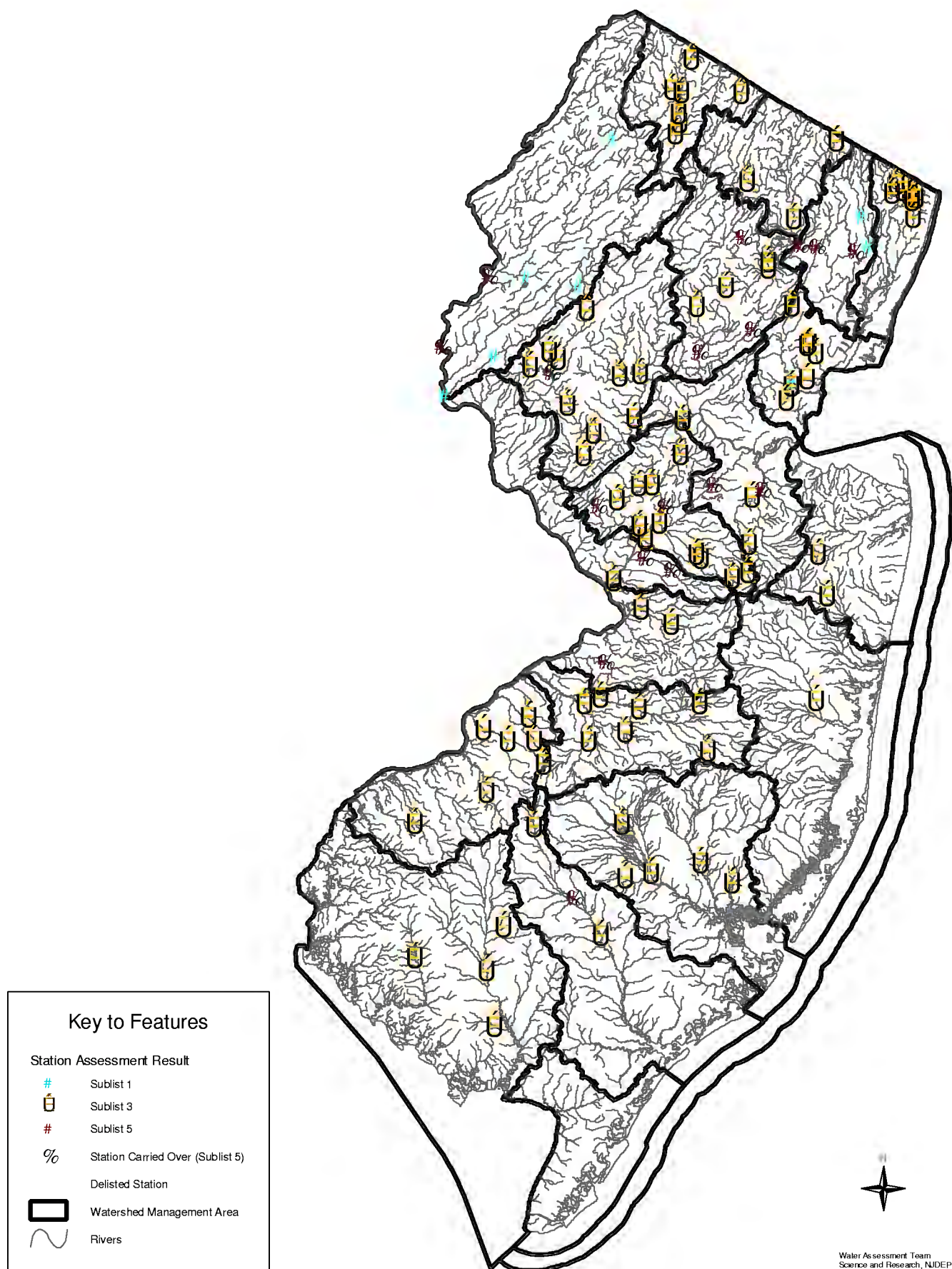
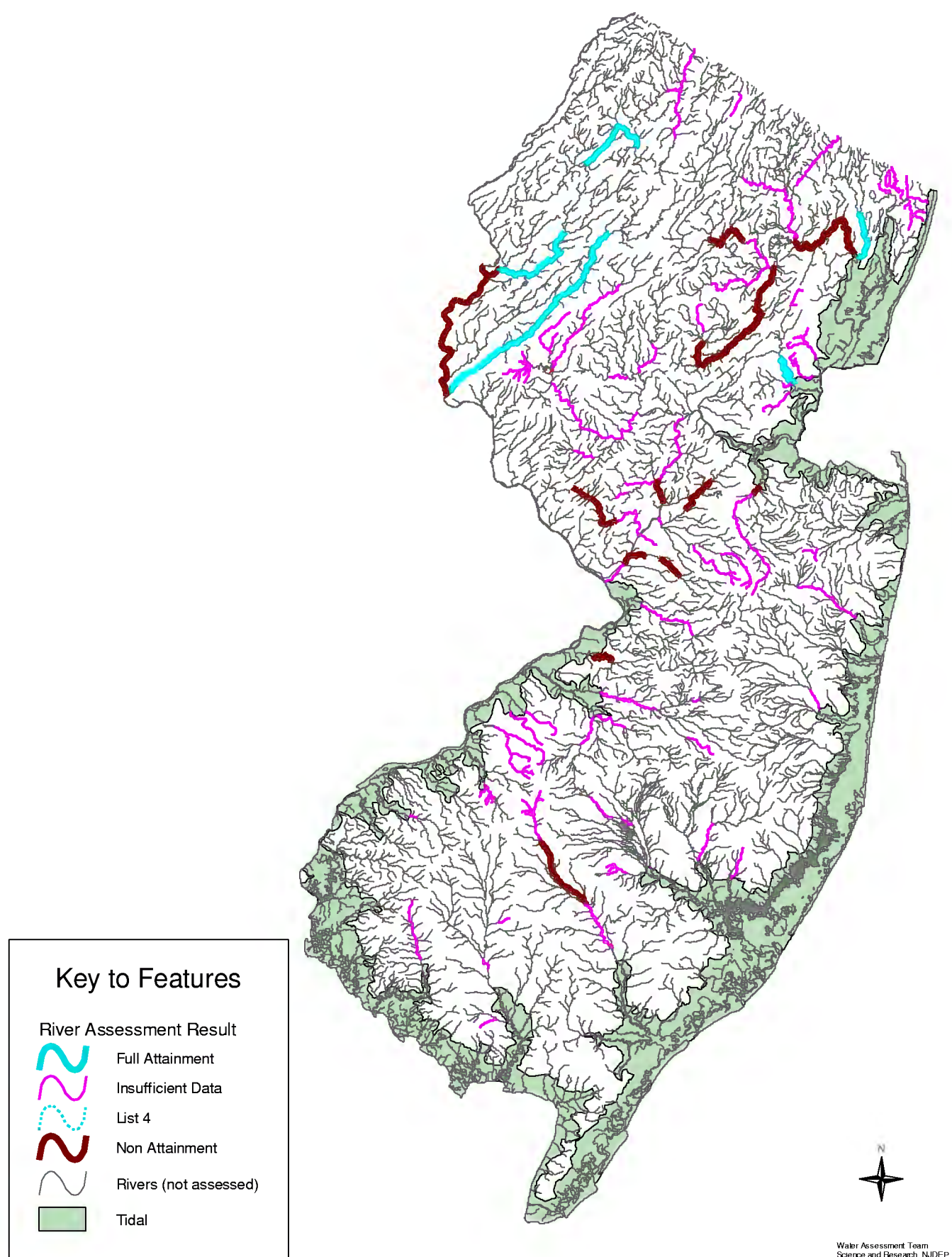


FIGURE 2.1b-5. Assessment Status for Cadmium in Rivers.



Chromium

A total of 109 sites representing 703 river miles were assessed for chromium. Only 18% of the sites were listed on sublist 5, with over 95% of the sites being carried over from the 1998 303(d) List due to insufficient data to make re-assessments. All of the listings on sublist 3 have insufficient data to make an assessment.

Results of the chromium assessment are summarized below in Table 2.1b-9. Results for individual stations are depicted in Figure 2.1b-6 and in Tables II-15 through 18 in the Appendix.

Table 2.1b-9. Chromium Status

Chromium Status	Number of Stations	Percent of Stations	Number of Assessed River Miles		Percent of Assessed River Miles	
			Monitor	Estimate	Monitor	Estimate
Sublist 1	46	42%	344	0	49%	NA
Sublist 3	44	40%	226	0	32%	NA
Sublist 4	0	NA	0	0	NA	NA
Sublist 5	19	18%	133	0	19%	NA
Totals	109	100%	703	0	100%	NA

Of the 46 stations on the 1998 303(d) List for chromium, 59% were delisted (see Table 2.1b-10) and 18 of the 19 sites on sublist 5 carried over due to insufficient data available (see Table 2.1b-11).

Table 2.1b-10. Delisted Chromium Sites From 1998 303(d) List

WMA	Station Number	Station Name	WMA	Station Number	Station Name
02	01367700, 2-WAL-1	Wallkill River near Franklin	12	01408000, 12-MA-1, 12-MA-2, 12-MA-3	Manasquan River at Squankum
02	01367715, 2-WAL-2	Wallkill River at Scott Road at Franklin	13	01408500, 13-TOM-1	Toms River near Toms River
02	01367770, 2-WAL-4	Wallkill River near Sussex	14	01409416, 14-HAM-2	Hammonton Creek at Westcoatville
02	01368000, 2-WAL-5	Wallkill Run near Unionville	15	01410784, 15-GEH-1	Great Egg Harbor River near Sicklerville
06	01381200, 6-ROC-1, 6-SITE-10	Rockaway River at Pine Brook	15	01411110, 15-GEH-3	Great Egg Harbor River at Weymouth
06	01381500, 6-WHI-1	Whippany River at Morristown	01	01445500, 1-PEQ-2	Pequest River at Pequest
06	01381800, 6-WHI-2	Whippany River near Pine Brook	01	01456200, 1-MUS-3	Musconetcong River at Beattystown
03	01387500, 3-RAM-1, 3-SITE-9	Ramapo River near Mahwah	01	01457000, 1-MUS-4	Musconetcong River near Bloomsbury
04	01391200, 4-SAD-1, 4-SITE-13	Saddle River at Fair Lawn	01	01457400, 1-MUS-5	Musconetcong River at Riegelsville
04	01391500, 4-SITE-12	Saddle River at Lodi	11	01464020, 11-AS-3	Assunpink Creek at Peace Street at Trenton
01	01400540, 10-MIL-1	Millstone River near Manalapan	18	01467150, 18-CO-4	Cooper River at Haddonfield
10	01401000, 10-STO-1, 10-STO-4	Stony Brook at Princeton	18	18-CO-1	Cooper River at Rte 130 in Camden
10	01402000, 10-MIL-5, 10-MIL-6	Millstone River at Blackwells Mills	02	2-WAL-3	Wallkill River on Ames Blvd (Rte 94) in Hamburg
10	01402540, 10-MIL-3	Millstone River at Weston			

Table 2.1b-11. Chromium Sites Carried Over From 1998 303(d) List

WMA	Station Number	Station Name		WMA	Station Number	Station Name
05	01377000, 5-HAC-3	Hackensack River at Rivervale		15	01411000, 15-GEH-2	Great Egg Harbor River at Folsom
06	01380500, 6-SITE-11	Rockaway River at Boonton		01	01446400, 1-PEQ-3	Pequest River at Belvidere
06	01382000, 6-SITE-3	Passaic River at Two Bridges		01	01447000,	Delaware River at Easton
04	01389130, 4-PAS-4	Passaic River at Sigac		10	10-ROC-1	Rocky Brook on Rte 33 in Hightstown
04	01389500, 4-PAS-3, 4-SITE-6	Passaic River at Little Falls		10	10-ROC-2	Rocky Brook at Rocky Bk Rd and Rte 130 in Hightstown
04	01389880, 4-SITE-5	Passaic River at Elmwood Park		10	10-STO-3	Stony Brook on Mine Rd in Hopewell Twp.
08	01398102, 8-SB-6	SB Raritan River at South Branch		20	20-AS-1	Assiscunk Creek at Cedar Lane in Springfield
10	01400585,	Rocky Brook at Perrineville		09	9-LAW-1	Lawrence Brook at Davidsons Mill Rd in Black Horse
10	01401440, 10-MIL-2	Millstone River at Kingston		09	South River	South River

FIGURE 2.1b-6. Assessment Status of Stations Monitored for Chromium. Includes sites delisted and carried over from the 1998 303(d) List.

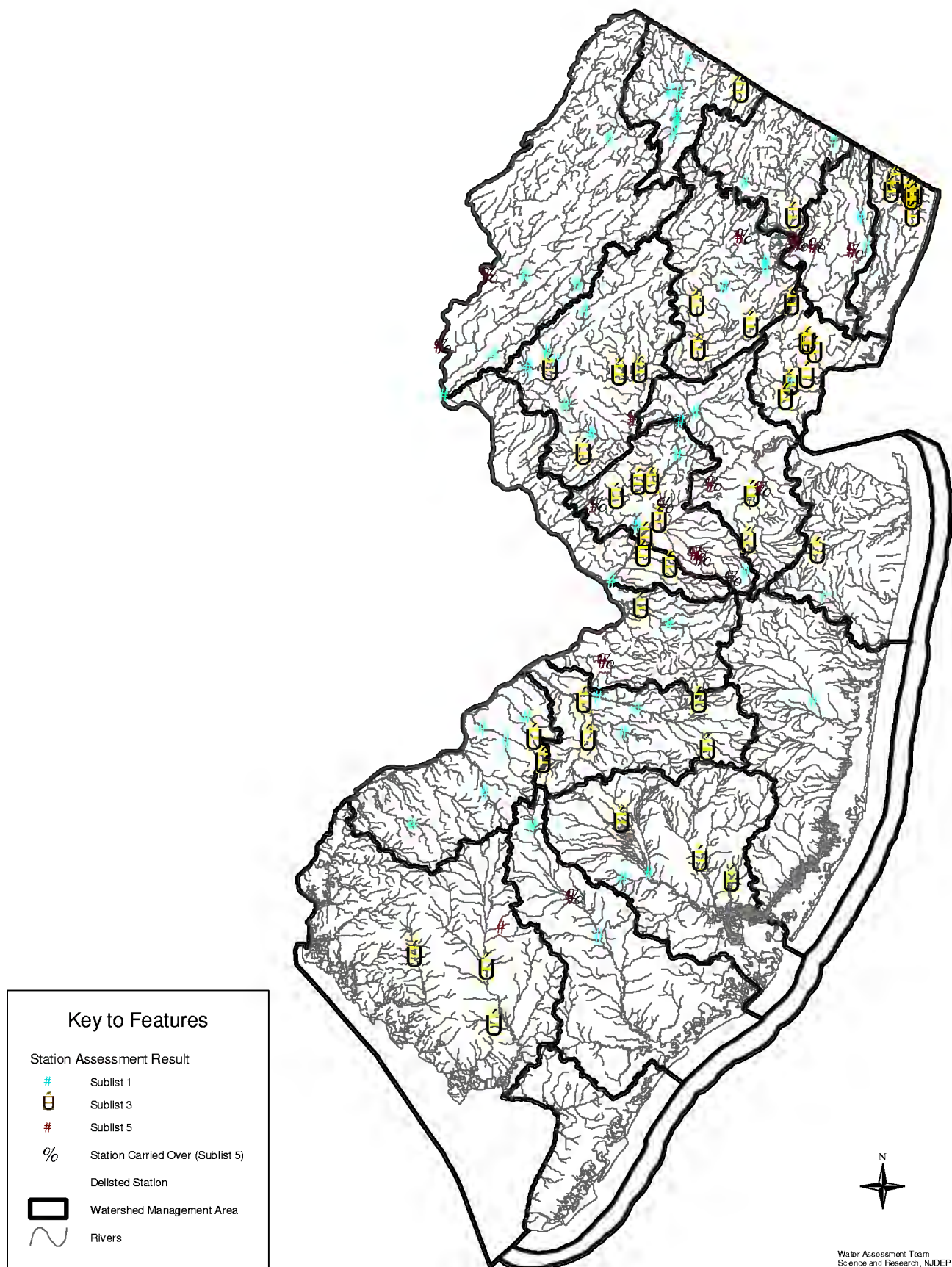
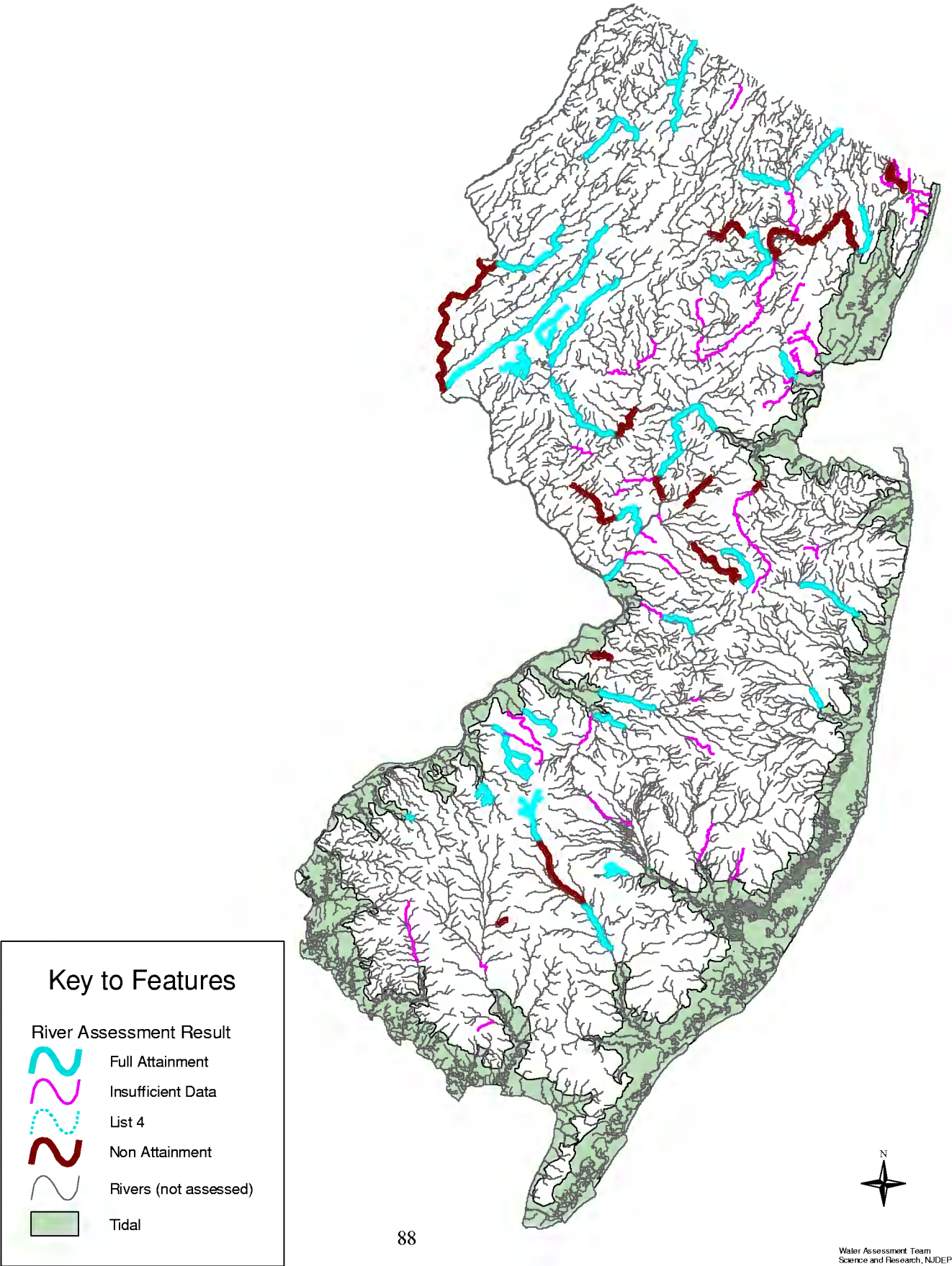


FIGURE 2.1b-7. Assessment Status for Chromium in Rivers.



Copper

A total of 109 sites representing 695 river miles were assessed for copper. Only 26% of the sites were listed on sublist 5, with 65% of the sites being carried over from the 1998 303(d) List due to insufficient data to make re-assessments. All of the listings on sublist 3 have insufficient data to make an assessment.

Results of the copper assessment are summarized below in Table 2.1b-12. Results for individual stations are depicted in Figure 2.1b-8 and in Tables II-15 through 18 in the Appendix.

Table 2.1b-12. Copper Status

Copper Status	Number of Stations	Percent of Stations	Number of Assessed River Miles		Percent of Assessed River Miles	
			Monitor	Estimate	Monitor	Estimate
Sublist 1	41	38%	317	0	46%	NA
Sublist 3	39	36%	173	0	25%	NA
Sublist 4	0	NA	0	0	NA	NA
Sublist 5	29	26%	205	0	29%	NA
Totals	109	100%	695	0	100%	NA

Of the 41 stations on the 1998 303(d) List for copper, 41% were delisted (see Table 2.1b-13) and 19 of the 24 sites on sublist 5 were carried over due to insufficient data available (see Table 2.1b-14).

Table 2.1b-13. Delisted Copper Sites From 1998 303(d) List

WMA	Station Number	Station Name	WMA	Station Number	Station Name
06	01381500, 6-WHI-1	Whippany River at Morristown	01	01456200, 1-MUS-3	Musconetcong River at Beattystown
03	01382500, 3-PEQ-1, 3-SITE-8	Pequannock River at Macopin Intake Dam	01	01457000, 1-MUS-4	Musconetcong River near Bloomsbury
04	01391200, 4-SAD-1, 4-SITE-13	Saddle River at Fair Lawn	01	01457400, 1-MUS-5	Musconetcong River at Riegelsville
04	01391500, 4-SITE-12	Saddle River at Lodi	19	01465850, 19-RA-3S	SB Rancocas Creek at Vincentown
08	01396588, 8-SP-2	Spruce Run near Glen Gardner	18	01467150, 18-CO-4	Cooper River at Haddonfield
12	01408000, 12-MA-1, 12-MA-2, 12-MA-3	Manasquan River at Squankum	18	01467329, 18-BIG-1	SB Big Timber Creek at Blackwood Terrace
13	01408500, 13-TOM-1	Toms River near Toms River	18	01477120, 18-RAC-1	Raccoon Creek near Swedesboro
14	01409416, 14-HAM-2	Hammonton Creek at Westcoatville	18	18-CO-1	Cooper River at Rte 130 in Camden
15	01410784, 15-GEH-1	Great Egg Harbor R nr Sicklerville			

Table 2.1b-14. Copper Sites Carried Over From 1998 303(d) List

WMA	Station Number	Station Name	WMA	Station Number	Station Name
05	01377000, 5-HAC-3	Hackensack River at Rivervale	14	01409387, 14-MUL-2	Mullica River at Outlet Of Atsion Lake at Atsion
06	01379000, 6-PAS-1, 6-SITE-2	Passaic River near Millington	14	01410150, 14-EBR-1	East Branch Bass River near New Gretna
06	01379500, 6-PAS-2, 6-SITE-1	Passaic River near Chatham	15	01411000, 15-GEH-2	Great Egg Harbor River at Folsom
06	01382000, 6-SITE-3	Passaic River at Two Bridges	01	01447000,	Delaware River at Easton
04	01389130, 4-PAS-4	Passaic River at Sigac	11	01463620, 11-AS-2	Assunpink Creek near Clarksville
04	01389500, 4-PAS-3, 4-SITE-6	Passaic River at Little Falls	11	11-AS-4	Assunpink Creek at Route 535
04	01389880, 4-SITE-5	Passaic River at Elmwood Park	09	9-LAW-1	Lawrence Brook at Davidsons Mill Rd in Black Horse
08	01398000, 8-NE-1	Neshanic River at Reaville	18	Newton Creek	Newton Creek
08	01398102, 8-SB-6	SB Raritan River at South Branch	09	South River	South River
08	01399120, 8-NB-2	NB Raritan River at Burnt Mills			

FIGURE 2.1b-8. Assessment Status of Sites Monitored for Copper. Includes sites delisted and carried over from the 1998 303(d) List.

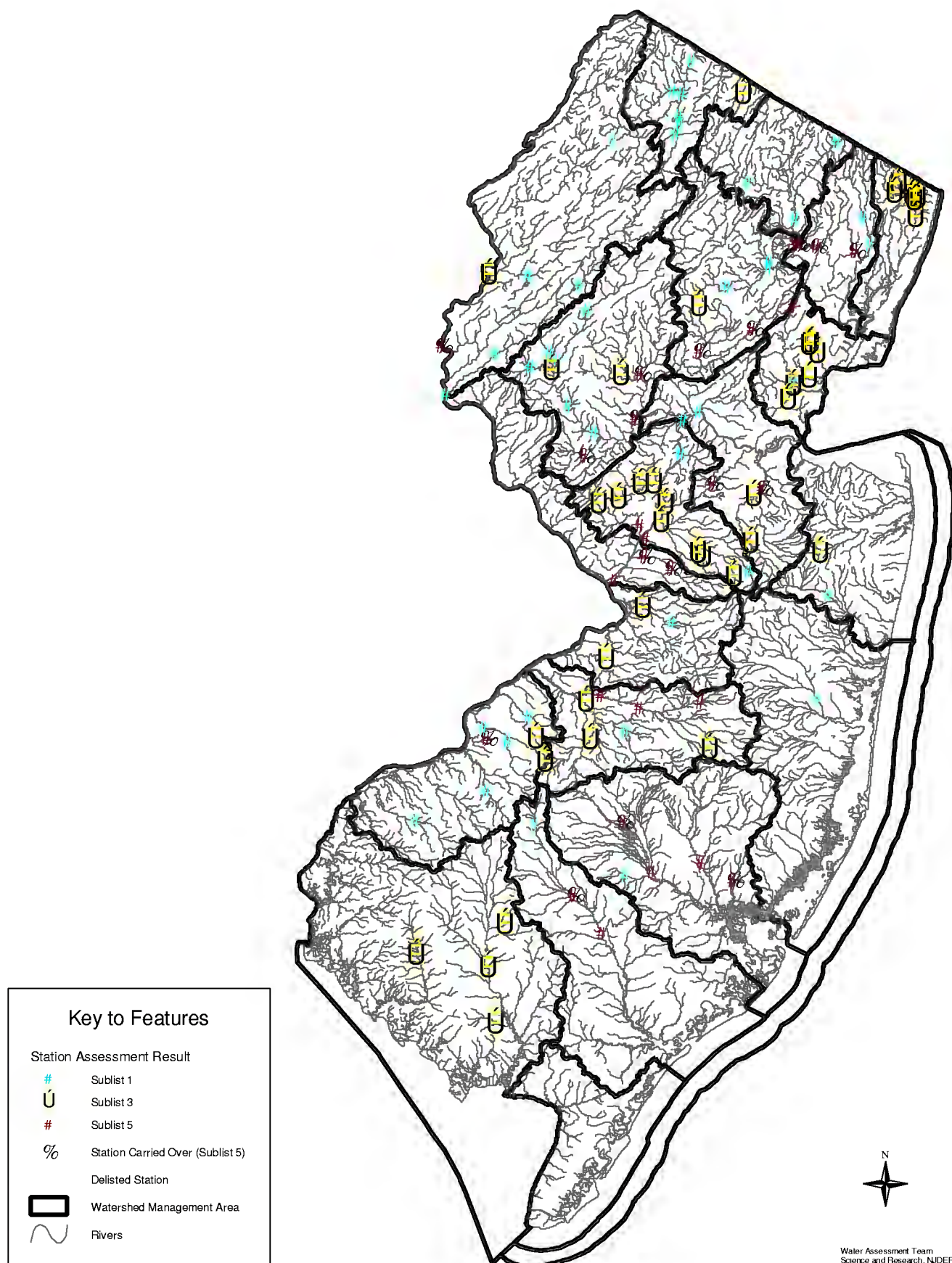
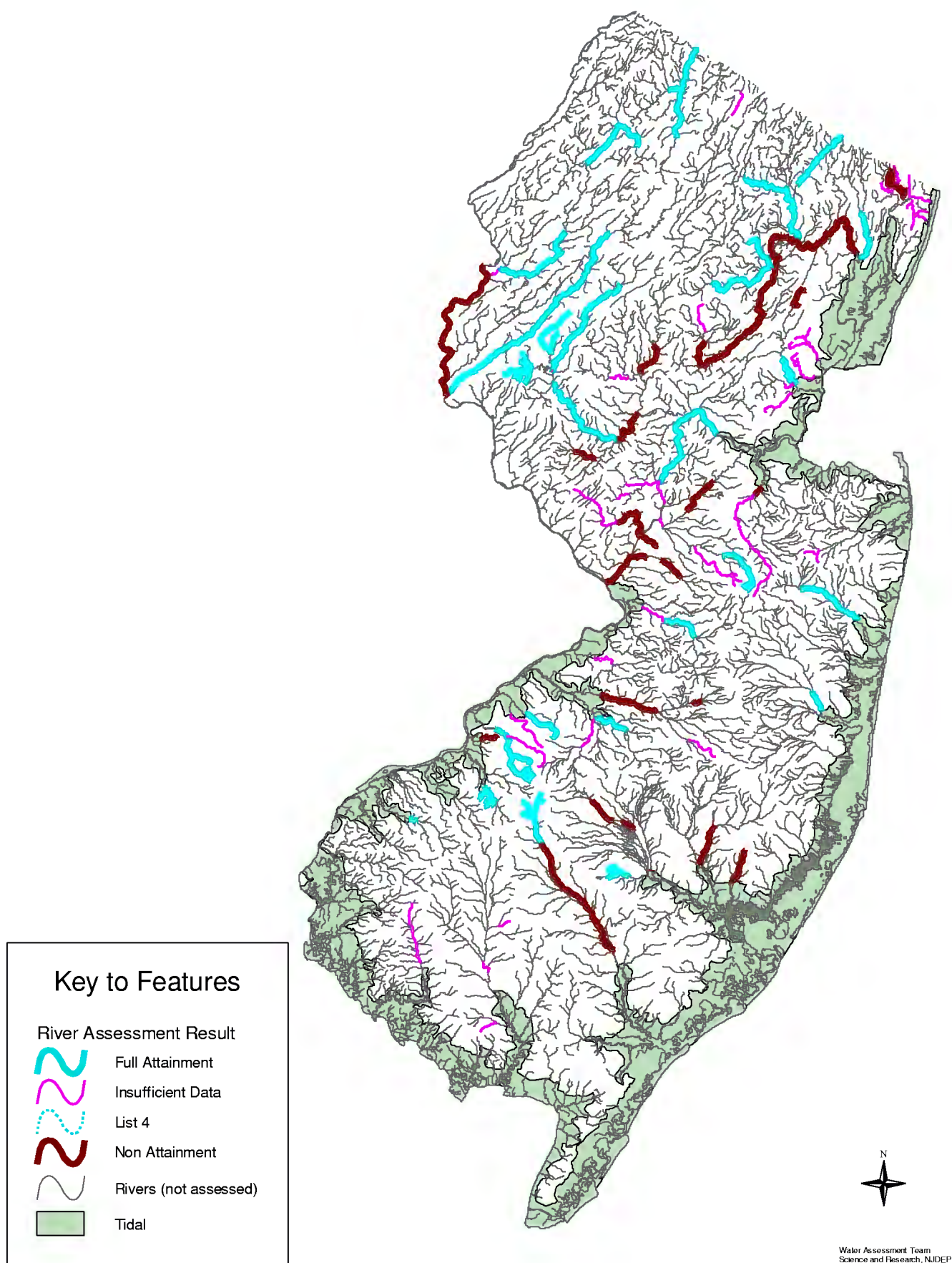


FIGURE 2.1b-9. Assessment Status for Copper in Rivers.



Mercury

A total of 108 sites representing 696 river miles were assessed for mercury. Because the chronic aquatic life criteria is below the method detection level (MDL), no sites were placed on sublist 1 as “Full Attainment.” (see the Methods Document, Section 4.2.2 for an explanation of MDLs for metals) If the data showed no exceedances, it was listed under sublist 3 as “Insufficient Data.” Of the 83 sites on sublist 3, over half of the sites (53% of sublist 3 sites) had no exceedances, but were assessed as “Insufficient Data.” Only 25% of the total sites were assessed as “non attainment”, of which 77% were carried over from the 1998 303(d) List due to insufficient data available for new assessments.

Results of the mercury assessment are summarized below in Table 2.1b-15. Results for individual stations are depicted in Figure 2.1b-10 and in Tables II-15 through 18 in the Appendix.

Table 2.1-15. Mercury Status

Mercury Status	Number of Stations	Percent of Stations	Number of Assessed River Miles		Percent of Assessed River Miles	
			Monitor	Estimate	Monitor	Estimate
Sublist 1	0	NA	0	0	NA	NA
Sublist 3	83	75%	509	0	72%	NA
Sublist 4	0	NA	0	0	NA	NA
Sublist 5	27	25%	197	0	28%	NA
Totals	110	100%	706	0	100%	NA

Of the 44 stations on the 1998 303(d) List for mercury, 45% were delisted (see Table 2.1b-16) and 21 of the 24 sites on sublist 5 were carried over due to insufficient data available (see Table 2.1b-17).

Table 2.1b-16. Delisted Mercury Sites From 1998 303(d) List

WMA	Station Number	Station Name	WMA	Station Number	Station Name
02	01367700, 2-WAL-1	Wallkill River near Franklin	13	01408500, 13-TOM-1	Toms River near Toms River
02	01367715, 2-WAL-2	Wallkill River at Scott Road at Franklin	15	01411110, 15-GEH-3	Great Egg Harbor River at Weymouth
02	01367770, 2-WAL-4	Wallkill River near Sussex	01	01445500, 1-PEQ-2	Pequest River at Pequest
02	01368000, 2-WAL-5	Wallkill Run near Unionville	11	01467150, 18-CO-4	Assunpink Creek at Peace Street at Trenton
06	01381200, 6-ROC-1, 6-SITE-10	Rockaway River at Pine Brook	01	01456200, 1-MUS-3	Musconetcong River at Beattystown
06	01381500, 6-WHI-1	Whippany River at Morristown	01	01457000, 1-MUS-4	Musconetcong River near Bloomsbury
03	01387500, 3-RAM-1, 3-SITE-9	Ramapo River near Mahwah	01	01457400, 1-MUS-5	Musconetcong River at Riegelsville
04	01391200, 4-SAD-1, 4-SITE-13	Saddle River at Fair Lawn	19	01467000, 19-RA-3N	NB Rancocas Creek at Pemberton
04	01391500, 4-SITE-12	Saddle River at Lodi	19	01467006, 19-RA-4N	NB Rancocas Creek at Pine St at Mt Holly
10	01400540, 10-MIL-1	Millstone River near Manalapan	18	01467150, 18-CO-4	Cooper River at Haddonfield

Table 2.1b-16. Delisted Mercury Sites From 1998 303(d) List (cont.)

WMA	Station Number	Station Name	WMA	Station Number	Station Name
10	01402000, 10-MIL-5, 10-MIL-6	Millstone River at Blackwells Mills	18	01477120, 18-RAC-1	Raccoon Creek near Swedesboro
10	01402540, 10-MIL-3	Millstone River at Weston	18	18-CO-1	Cooper River at Rte 130 in Camden
12	01408000, 12-MA-1, 12-MA-2, 12-MA-3	Manasquan River at Squankum	02	2-WAL-3	Wallkill River on Ames Blvd (Rte 94) in Hamburg

Table 2.1b-17. Mercury Sites Carried Over From 1998 303(d) List

WMA	Station Number	Station Name	WMA	Station Number	Station Name
05	01377000, 5-HAC-3	Hackensack River at Rivervale	01	01446400, 1-PEQ-3	Pequest River at Belvidere
06	01379000, 6-PAS-1, 6-SITE-2	Passaic River near Millington	01	01447000	Delaware River at Easton
06	01379500, 6-PAS-2, 6-SITE-1	Passaic River near Chatham	11	01463620, 11-AS-2	Assunpink Creek near Clarksville
06	01380500, 6-SITE-11	Rockaway River at Boonton	19	01465950, 19-RA-1N	NB Rancocas Creek at Hanover Furnace
04	01382000, 6-SITE-3	Passaic River at Two Bridges	19	01465970	NB Rancocas Creek at Browns Mills
04	01389130, 4-PAS-4	Passaic River at Sigac	10	10-STO-3	Stony Brook on Mine Rd in Hopewell Twp.
04	01389500, 4-PAS-3, 4-SITE-6	Passaic River at Little Falls	11	11-AS-4	Assunpink Creek @ Route 535
04	01389880, 4-SITE-5	Passaic River at Elmwood Park	20	20-AS-1	Assiscunk Creek at Cedar Lane in Springfield
08	01399700, 8-RO-1	Rockaway Creek at Whitehouse	09	9-LAW-1	Lawrence Brook at Davidsons Mill Rd in Black Horse
10	01401440, 10-MIL-2	Millstone River at Kingston	09	South River	South River
15	01411000, 15-GEH-2	Great Egg Harbor River at Folsom			

FIGURE 2.1b-10. Assessment Status of Sites Monitored for Mercury. Includes sites delisted and carried over from the 1998 303(d) List.

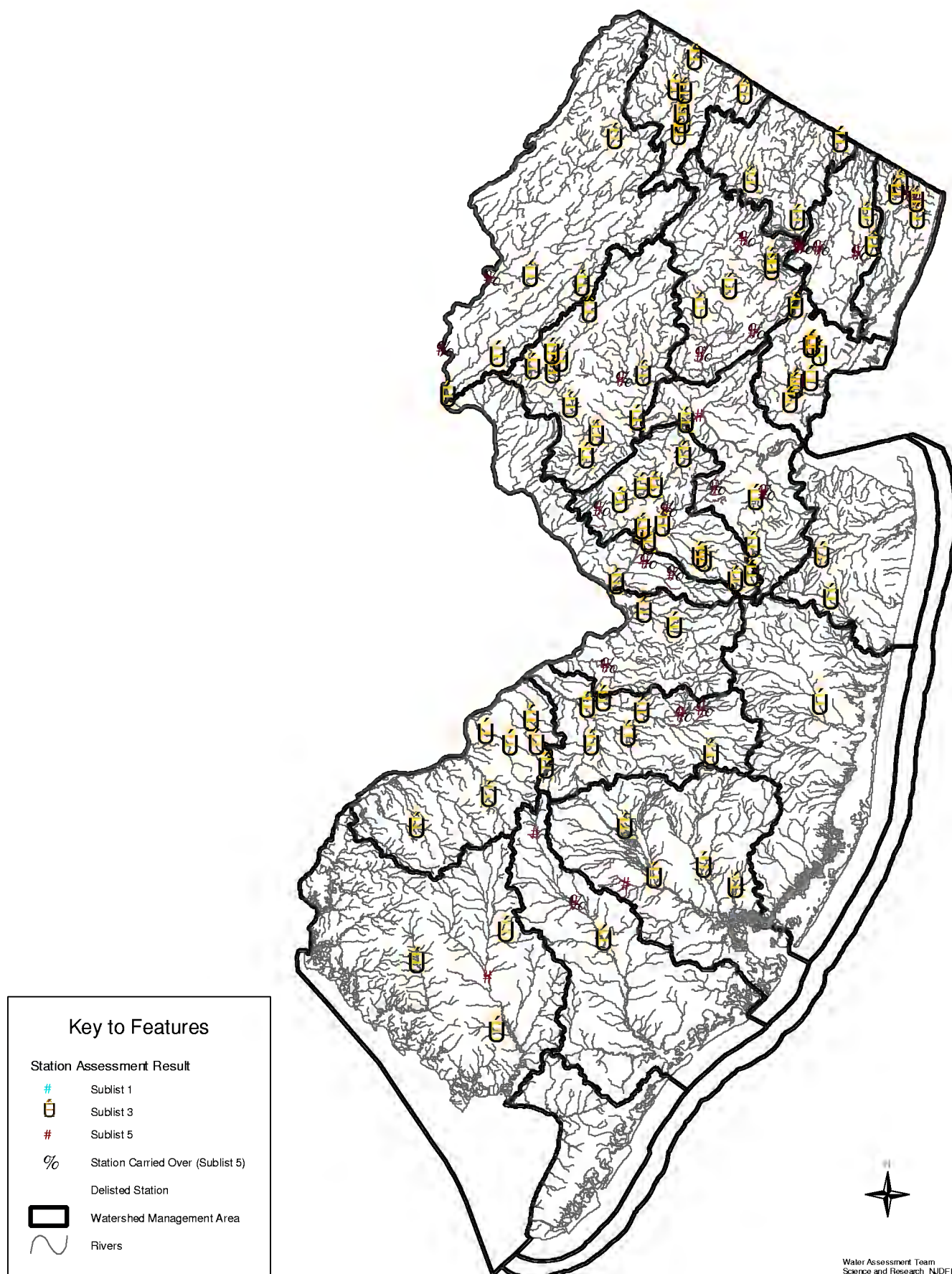
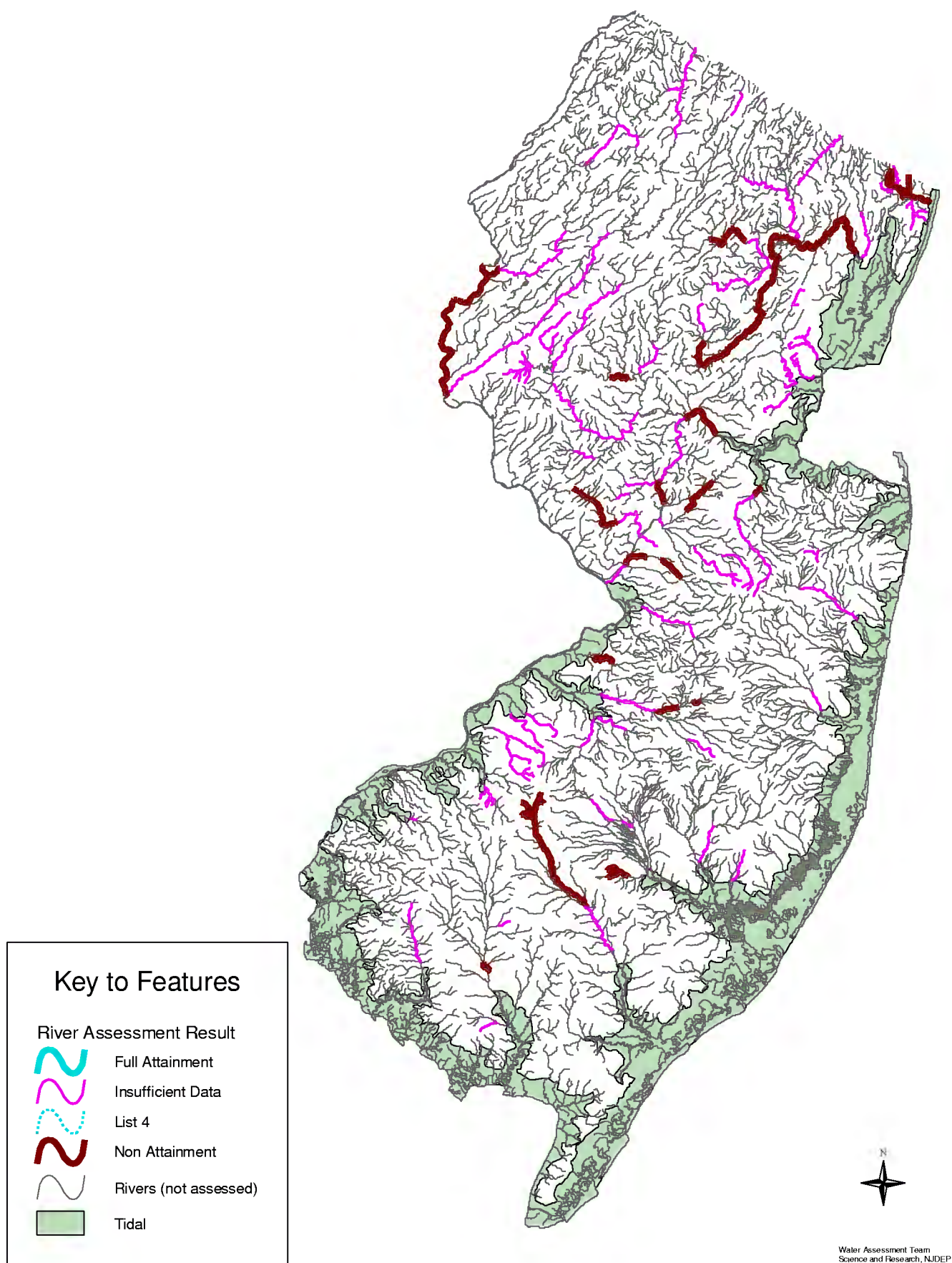


FIGURE 2.1b-9. Assessment Status for Mercury in Rivers.



Lead

A total of 109 sites representing 702 river miles were assessed for lead. Almost half of the sites (49% of total sites) were listed on sublist 5, with 63% of the sites being carried over from the 1998 303(d) List due to insufficient data to make re-assessments. All of the listings on sublist 3 have insufficient data to make an assessment.

Results of the lead assessment are summarized below in Table 2.1b-18. Results for individual stations are depicted in Figure 2.1b-12 and in Tables II-15 through 18 in the Appendix.

Table 2.1b-18. Lead Status

Lead Status	Number of Stations	Percent of Stations	Number of Assessed River Miles		Percent of Assessed River Miles	
			Monitor	Estimate	Monitor	Estimate
Sublist 1	28	26%	212	0	30%	NA
Sublist 3	28	26%	118	0	17%	NA
Sublist 4	0	0%	0	0	NA	NA
Sublist 5	53	49%	372	0	53%	NA
Totals	109	100%	702	0	100%	NA

Of the 68 stations on the 1998 303(d) List for lead, only 34% were delisted (see Table 2.1b-19) and 30 of the 45 sites on sublist 5 were carried over due to insufficient data available (see Table 2.1b-20).

Table 2.1b-19. Delisted Lead Sites From 1998 303(d) List

WMA	Station Number	Station Name	WMA	Station Number	Station Name
02	01367700, 2-WAL-1	Wallkill River near Franklin	10	01402000, 10-MIL-5, 10-MIL-6	Millstone River at Blackwells Mills
02	01367715, 2-WAL-2	Wallkill River at Scott Road at Franklin	10	01402540, 10-MIL-3	Millstone River at Weston
02	01367770, 2-WAL-4	Wallkill River near Sussex	12	01408000, 12-MA-1, 12-MA-2, 12-MA-3	Manasquan River at Squankum
02	01368000, 2-WAL-5	Wallkill Run near Unionville	01	01445500, 1-PEQ-2	Pequest River at Pequest
06	01381500, 6-WHI-1	Whippany River at Morristown	01	01456200, 1-MUS-3	Musconetcong River at Beattystown
03	01387500, 3-RAM-1, 3-SITE-9	Ramapo River near Mahwah	01	01457000, 1-MUS-4	Musconetcong River near Bloomsbury
04	01391200, 4-SAD-1, 4-SITE-13	Saddle River at Fair Lawn	01	01457400, 1-MUS-5	Musconetcong River at Riegelsville
04	01391500, 4-SITE-12	Saddle River at Lodi	20	01464500, 20-CRO-1	Crosswicks Creek at Extonville
08	01396280, 8-SB-1	SB Raritan River at Middle Valley	19	01477120, 18-RAC-1	Raccoon Creek near Swedesboro
08	01396535, 8-SB-2	SB Raritan River at Arch St at High Bridge	02	2-WAL-3	Wallkill River on Ames Blvd (Rte 94) in Hamburg
08	01396588, 8-SP-2	Spruce Run near Glen Gardner	14	01409500, 14-BAT-1	Batsto River at Batsto
08	01397000, 8-SB-3	SB Raritan River at Stanton Station			

Table 2.1b-20. Lead Sites Carried Over From 1998 303(d) List

WMA	Station Number	Station Name	WMA	Station Number	Station Name
09	9-LAW-1	Lawrence Bk at Davidsons Mill Rd in Black Horse	09	01405440, 9-MAN-2	Manalapan Brook near Spotswood
05	01377000, 5-HAC-3	Hackensack River at Rivervale	14	01409387, 14-MUL-2	Mullica River at Outlet Of Atsion Lake at Atsion
06	01379000, 6-PAS-1, 6-SITE-2	Passaic River near Millington	14	01410150, 14-EBR-1	East Branch Bass River near New Gretna
06	01379500, 6-PAS-2, 6-SITE-1	Passaic River near Chatham	15	01411000, 15-GEH-2	Great Egg Harbor River at Folsom
06	01380500, 6-SITE-11	Rockaway River at Boonton	17	01411800, 17-MAU-1	Maurice River near Millville
06	01382000, 6-SITE-3	Passaic River at Two Bridges	17	01412800, 17-COH-1	Cohansey River at Seeley
04	01389130, 4-PAS-4	Passaic River at Sigac	01	01446400, 1-PEQ-3	Pequest River at Belvidere
04	01389500, 4-PAS-3, 4-SITE-6	Passaic River at Little Falls	01	01447000,	Delaware River at Easton
04	01389880, 4-SITE-5	Passaic River at Elmwood Park	11	01463620, 11-AS-2	Assunpink Creek near Clarksville
08	01398102, 8-SB-6	SB Raritan River at South Branch	10	10-ROC-1	Rocky Brook on Rte 33 in Hightstown
08	01399700, 8-RO-1	Rockaway Creek at Whitehouse	10	10-ROC-2	Rocky Brook, Rocky Bk Rd and Rte 130 in Hightstown
10	01400585,	Rocky Brook at Perrineville	10	10-STO-3	Stony Brook on Mine Rd in Hopewell Twp.
10	01401440, 10-MIL-2	Millstone River at Kingston	11	11-AS-4	Assunpink Creek at Route 535
10	01401600, 10-BED-2, 10-BED-3	Bedens Brook near Rocky Hill	20	20-AS-1	Assiscunk Creek at Cedar Lane in Springfield
09	01405340, 9-MAN-1	Manalapan Brook at Federal Rd near Manalapan	09	South River	South River

FIGURE 2.1b-12. Assessment Status of Sites Monitored for Lead. Includes sites delisted and carried over from the 1998 303(d) List.

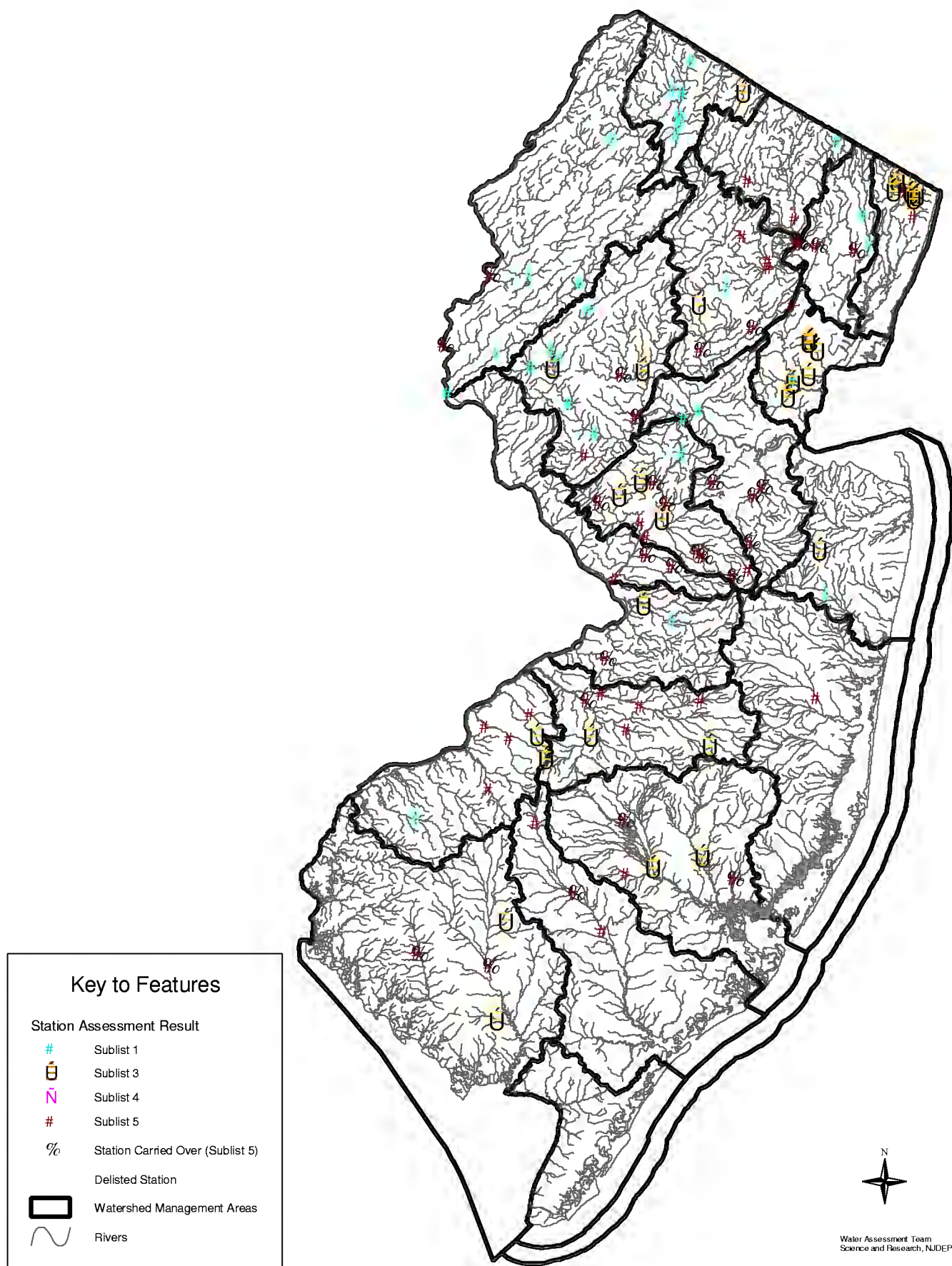
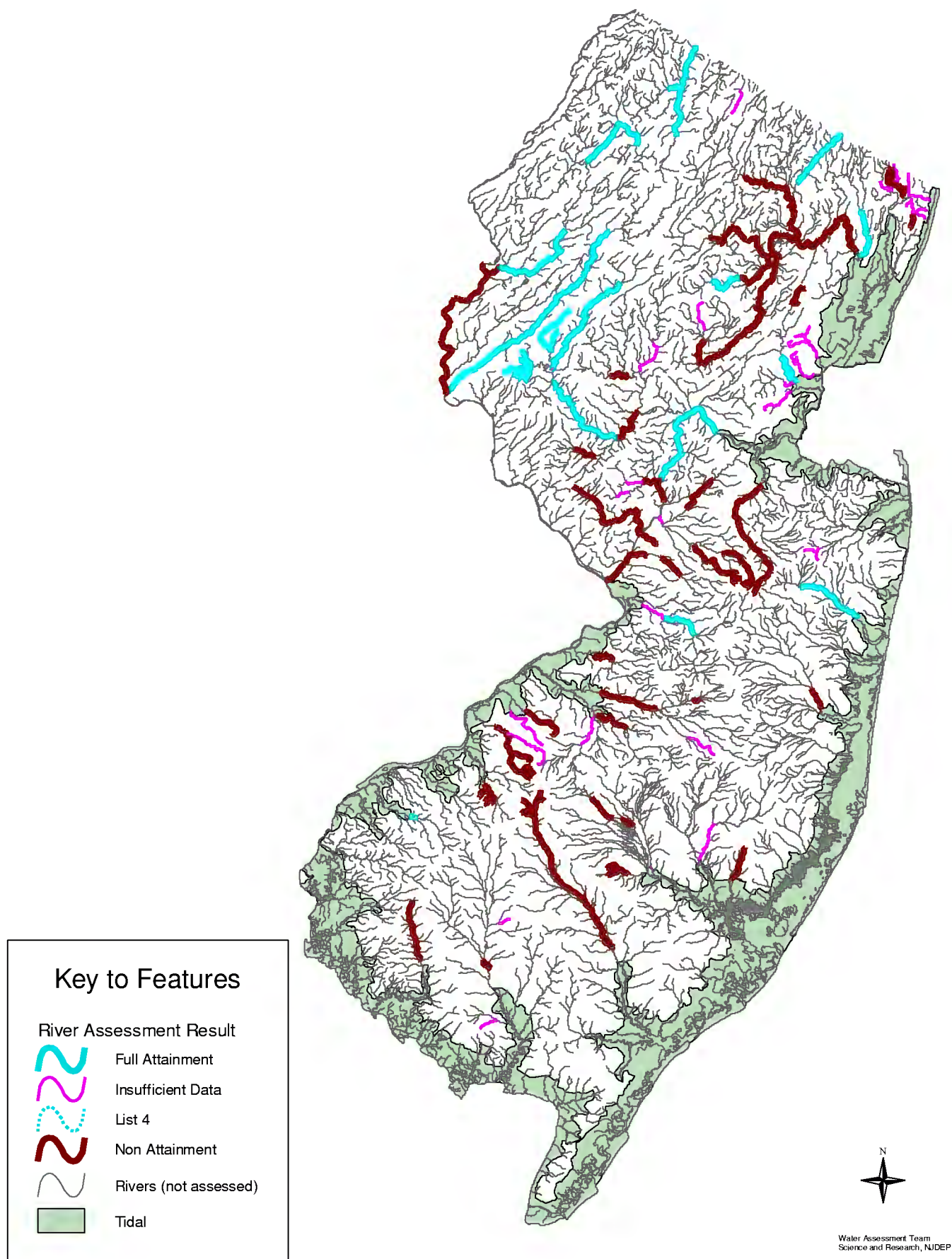


FIGURE 2.1b-13. Assessment Status for Lead in Rivers.



Nickel

A total of 106 sites representing 673 river miles were assessed for nickel. Only one site, carried over from the 1998 303(d) list, located on the Hackensack River exceeded the standards for nickel. However, a TMDL was implemented for the river, therefore the site was placed on sublist 4. All of the listings on sublist 3 have insufficient data to make an assessment.

Table 2.1b-21. Nickel Status

Nickel Status	Number of Stations	Percent of Stations	Number of Assessed River Miles		Percent of Assessed River Miles	
			Monitor	Estimate	Monitor	Estimate
Sublist 1	44	42%	330	0	49%	NA
Sublist 3	61	58%	333	0	50%	NA
Sublist 4	1	<1%	10	0	1%	NA
Sublist 5	0	NA	0	0	NA	NA
Totals	106	100%	673	0	100%	NA

Only 4 stations were placed on the 1998 303(d) List for nickel, with 75% delisted (see Table 2.1b-22). The only station not delisted was Hackensack River on Westwood Avenue in Riverside..

Results of the nickel assessment are summarized below in Table 2.1b-122. Results for individual stations are depicted in Figure 2.1b-14 and in Tables II-15 through 18 in the Appendix.

Table 2.1b-22. Delisted Nickel Sites From 1998 303(d) List

WMA	Station Number	Station Name
12	01408000, 12-MA-1, 12-MA-2, 12-MA-3	Manasquan River at Squankum
15	01411110, 15-GEH-3	Great Egg Harbor River at Weymouth
18	01477120, 18-RAC-1	Raccoon Creek near Swedesboro

FIGURE 2.1b-14. Assessment Status of Sites Monitored for Nickel. Includes sites delisted and carried over from the 1998 303(d) List.

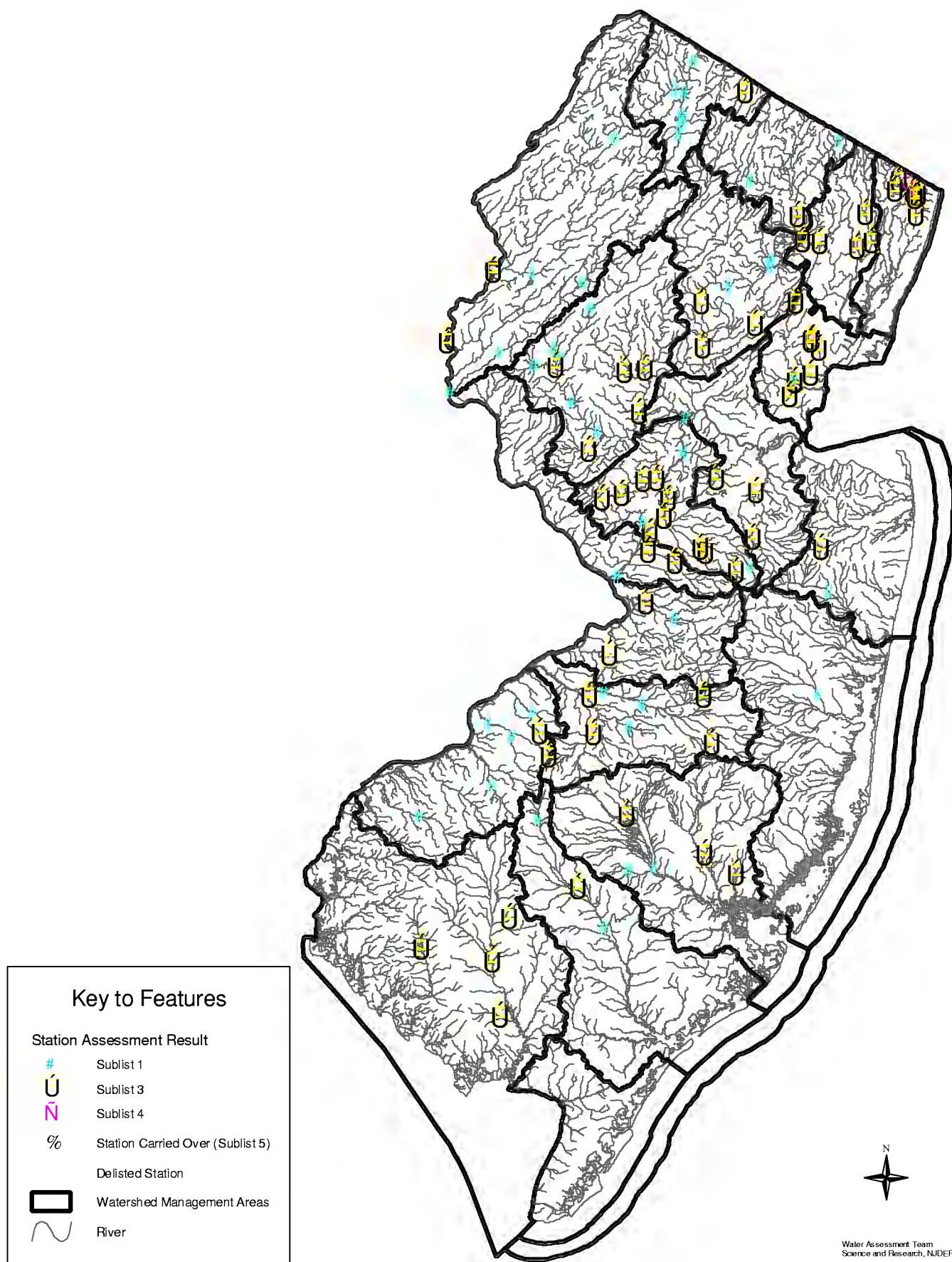
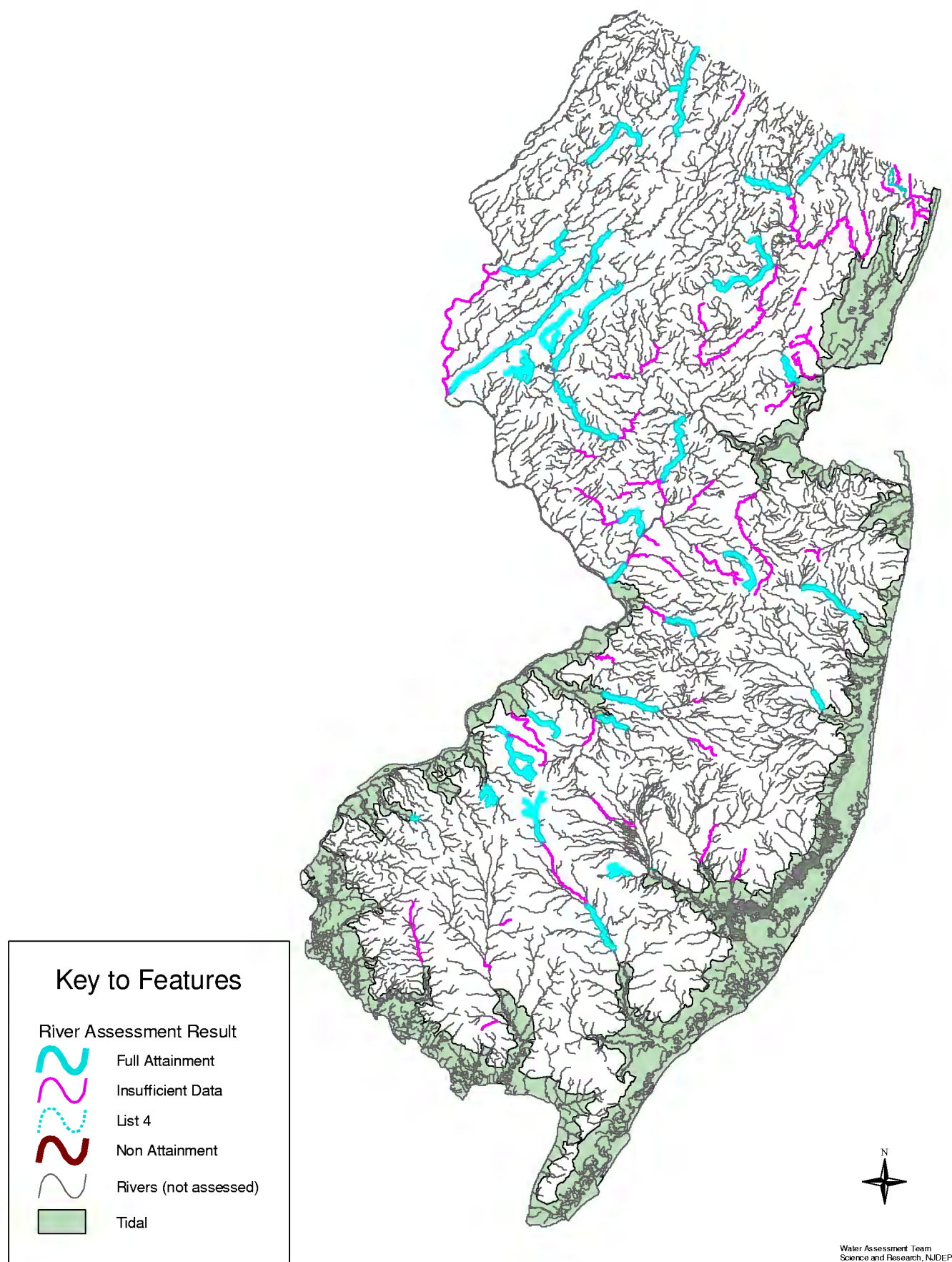


FIGURE 2.1b-15. Assessment Status for Nickel in Rivers.



Zinc

A total of 106 sites representing 683 river miles were assessed for zinc. Only 20% of the sites were listed on sublist 5, with 80% of the sites being carried over from the 1998 303(d) List due to insufficient data to make re-assessments. All of the listings on sublist 3 have insufficient data to make an assessment.

Results of the zinc assessment are summarized below in Table 2.1b-23. Results for individual stations are depicted in Figure 2.1b-16 and in Tables II-15 through 18 in the Appendix.

Table 2.1b-23. Zinc Status

Zinc Status	Number of Stations	Percent of Stations	Number of Assessed River Miles		Percent of Assessed River Miles	
			Monitor	Estimate	Monitor	Estimate
Sublist 1	44	41%	333	0	49%	NA
Sublist 3	41	39%	215	0	31%	NA
Sublist 4	0	NA	0	0	NA	NA
Sublist 5	21	20%	135	0	20%	NA
Totals	106	100%	683	0	100%	NA

Of the 31 stations on the 1998 303(d) List for zinc, almost half of the sites (44% of the listed sites) were delisted (see Table 2.1b-24) and all of the sites on sublist 5 were carried over due to insufficient data available (see Table 2.1b-25).

Table 2.1b-24. Delisted Zinc Sites From 1998 303(d) List

WMA	Station Number	Station Name	WMA	Station Number	Station Name
06	01381200, 6-ROC-1, 6-SITE-10	Rockaway River at Pine Brook	14	01409416, 14-HAM-2	Hammonton Creek at Westcoatville
06	01381500, 6-WHI-1	Whippany River at Morristown	14	01409500, 14-BAT-1	Batsto River at Batsto
04	01391200, 4-SAD-1, 4-SITE-13	Saddle River at Fair Lawn	15	01410784, 15-GEH-1	Great Egg Harbor River near Sicklerville
04	01391500, 4-SITE-12	Saddle River at Lodi	15	01411110, 15-GEH-3	Great Egg Harbor River at Weymouth
08	01397400, 8-SB-4	SB Raritan River at Three Bridges	19	01467000, 19-RA-3N	NB Rancocas Creek at Pemberton
10	01400540, 10-MIL-1	Millstone River near Manalapan	18	01467150, 18-CO-4	Cooper River at Haddonfield
13	01408500, 13-TOM-1	Toms River near Toms River	18	18-CO-1	Cooper River at Rte 130 in Camden

Table 2.1b-25. Zinc Sites Carried Over From 1998 303(d) List

WMA	Station Number	Station Name	WMA	Station Number	Station Name
06	01379000, 6-PAS-1, 6-SITE-2	Passaic River near Millington	14	01409387, 14-MUL-2	Mullica River at Outlet Of Atsion Lake at Atsion
06	01379500, 6-PAS-2, 6-SITE-1	Passaic River near Chatham	14	01410150, 14-EBR-1	East Branch Bass River near New Gretna
06	01380500, 6-SITE-11	Rockaway River at Boonton	15	01411000, 15-GEH-2	Great Egg Harbor River at Folsom
04	01389130, 4-PAS-4	Passaic River at Sigac	10	10-ROC-1	Rocky Brook on Rte 33 in Hightstown
04	01389500, 4-PAS-3, 4-SITE-6	Passaic River at Little Falls	10	10-ROC-2	Rocky Brook, Rocky Bk Rd and Rte 130 in Hightstown
04	01389880, 4-SITE-5	Passaic River at Elmwood Park	10	10-STO-3	Stony Brook on Mine Rd in Hopewell Twp.
10	01400585,	Rocky Brook at Perrineville	09	9-LAW-1	Lawrence Brook at Davidsons Mill Rd in Black Horse
10	01401440, 10-MIL-2	Millstone River at Kingston	18	Newton Creek	Newton Creek
09	01405440, 9-MAN-2	Manalapan Brook near Spotswood			

FIGURE 2.1b-16. Assessment Status of Sites Monitored for Zinc. Includes sites delisted and carried over from the 1998 303(d) List

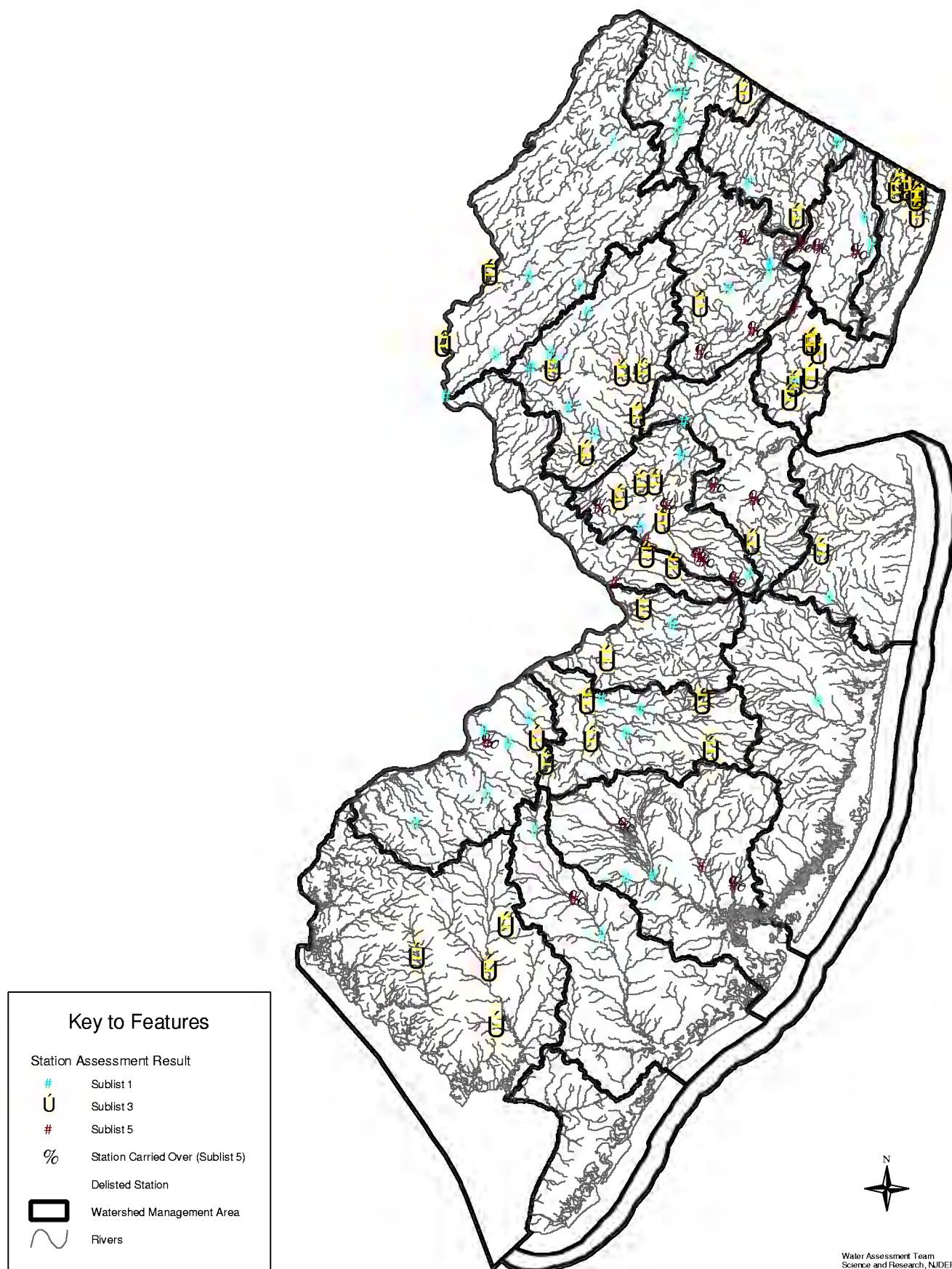
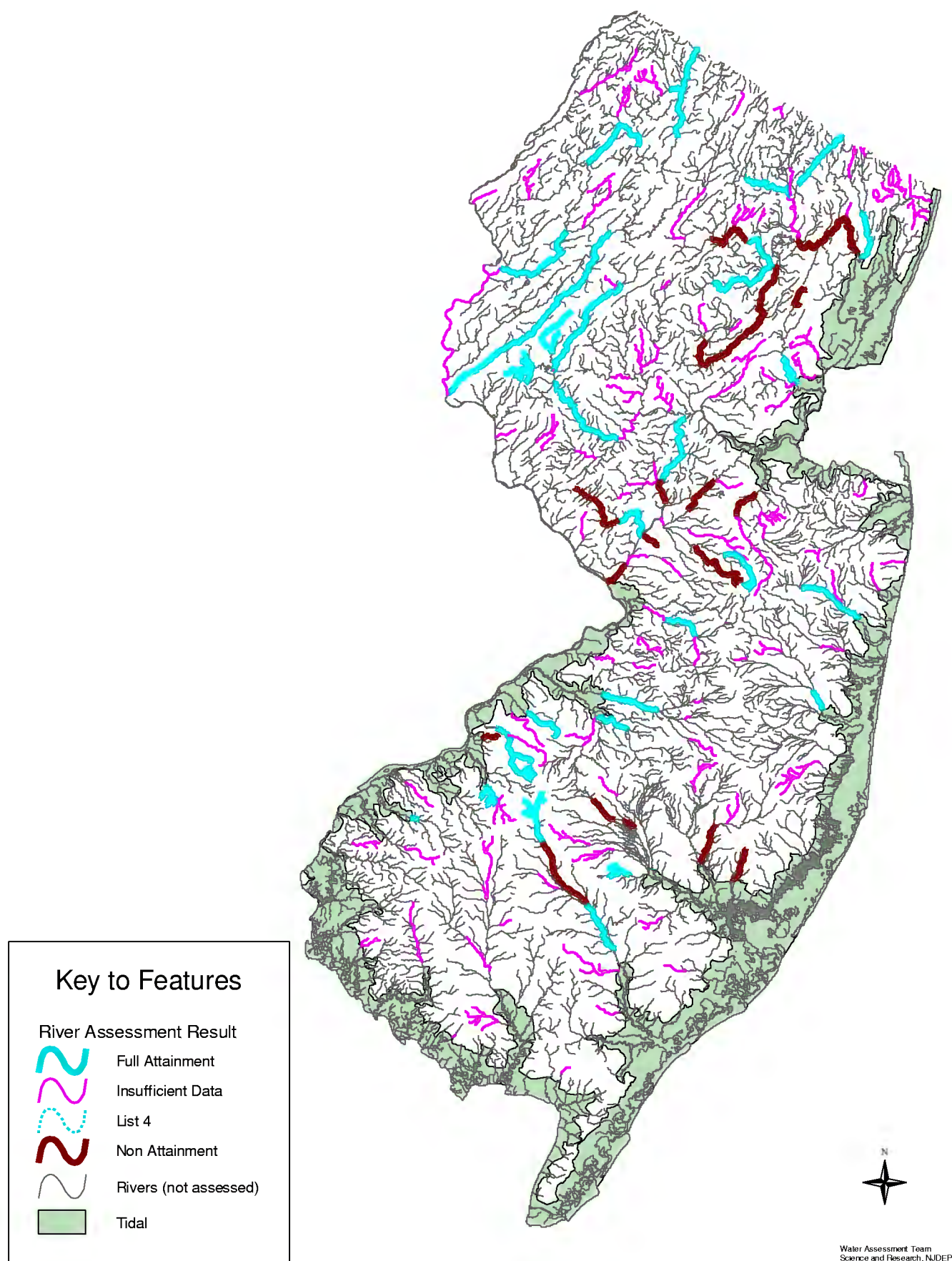


FIGURE 2.1b-17. Assessment Status for Zinc in Rivers.



Selenium

A total of 107 sites representing 697 river miles were assessed for selenium. Only 1 site was listed on sublist 5, which was carried over from the 1998 303(d) List due to insufficient data to make re-assessments. All of the listings on sublist 3 have insufficient data to make an assessment.

Results of the selenium assessment are summarized below in Table 2.1b-26. Results for individual stations are depicted in Figure 2.1b-18 and in Tables II-15 through 18 in the Appendix.

Table 2.1b-26. Selenium Status

Selenium Status	Number of Stations	Percent of Stations	Number of Assessed River Miles		Percent of Assessed River Miles	
			Monitor	Estimate	Monitor	Estimate
Sublist 1	44	41%	330	0	48%	NA
Sublist 3	62	58%	344	0	50%	NA
Sublist 4	0	NA	0	0	NA	NA
Sublist 5	1	1%	9	0	2%	NA
Totals	107	100%	683	0	100%	NA

Only 2 sites were listed on the 1998 303(d) List for selenium with 1 site, Rockaway River at Boonton, being delisted, and the other, Rockaway River at Pine Brook, carried over to sublist 5 due to insufficient data available.

FIGURE 2.1b-18. Assessment Status of Sites Monitored for Selenium. Includes sites delisted and carried over from the 1998 303(d) List.

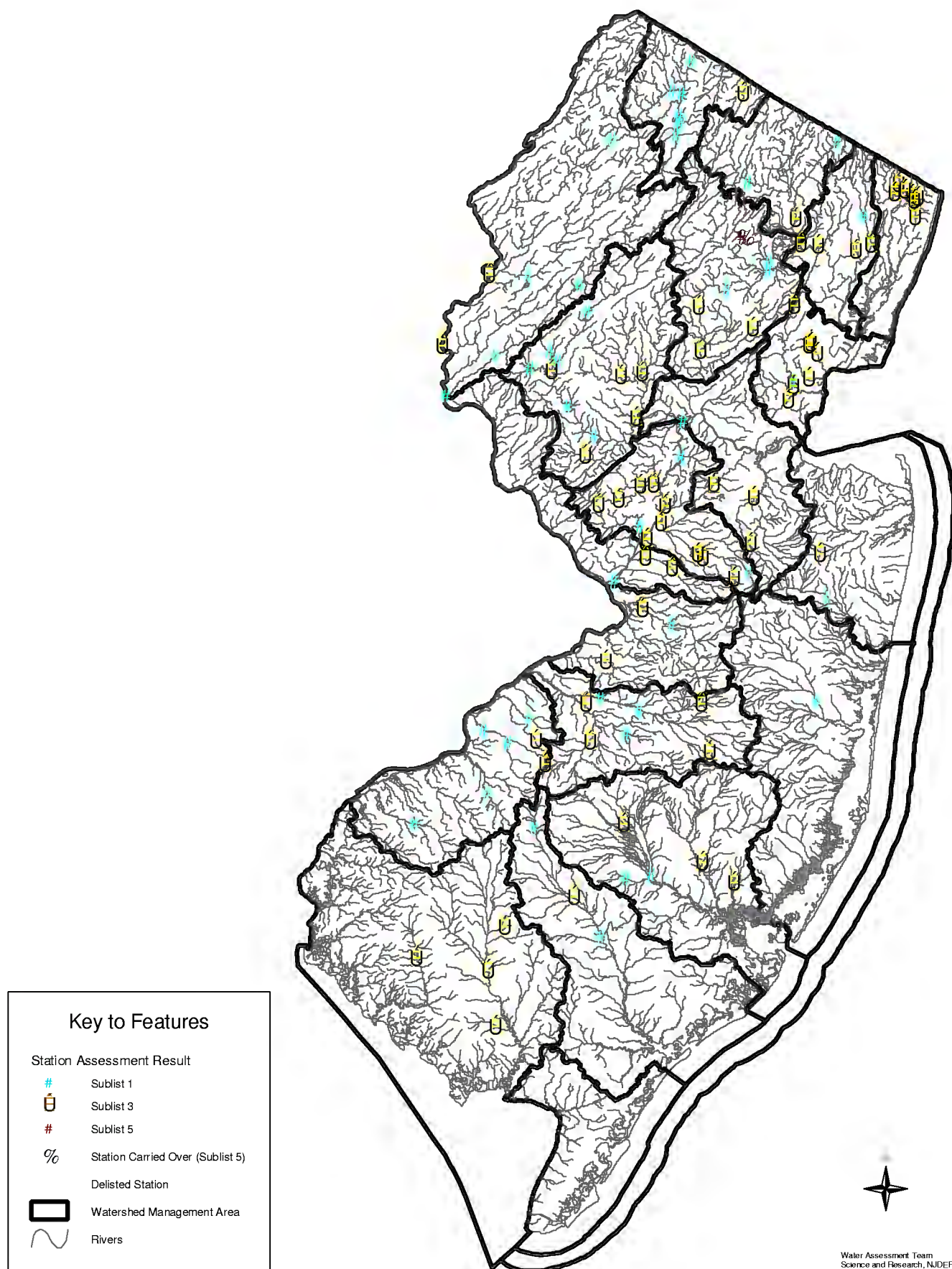
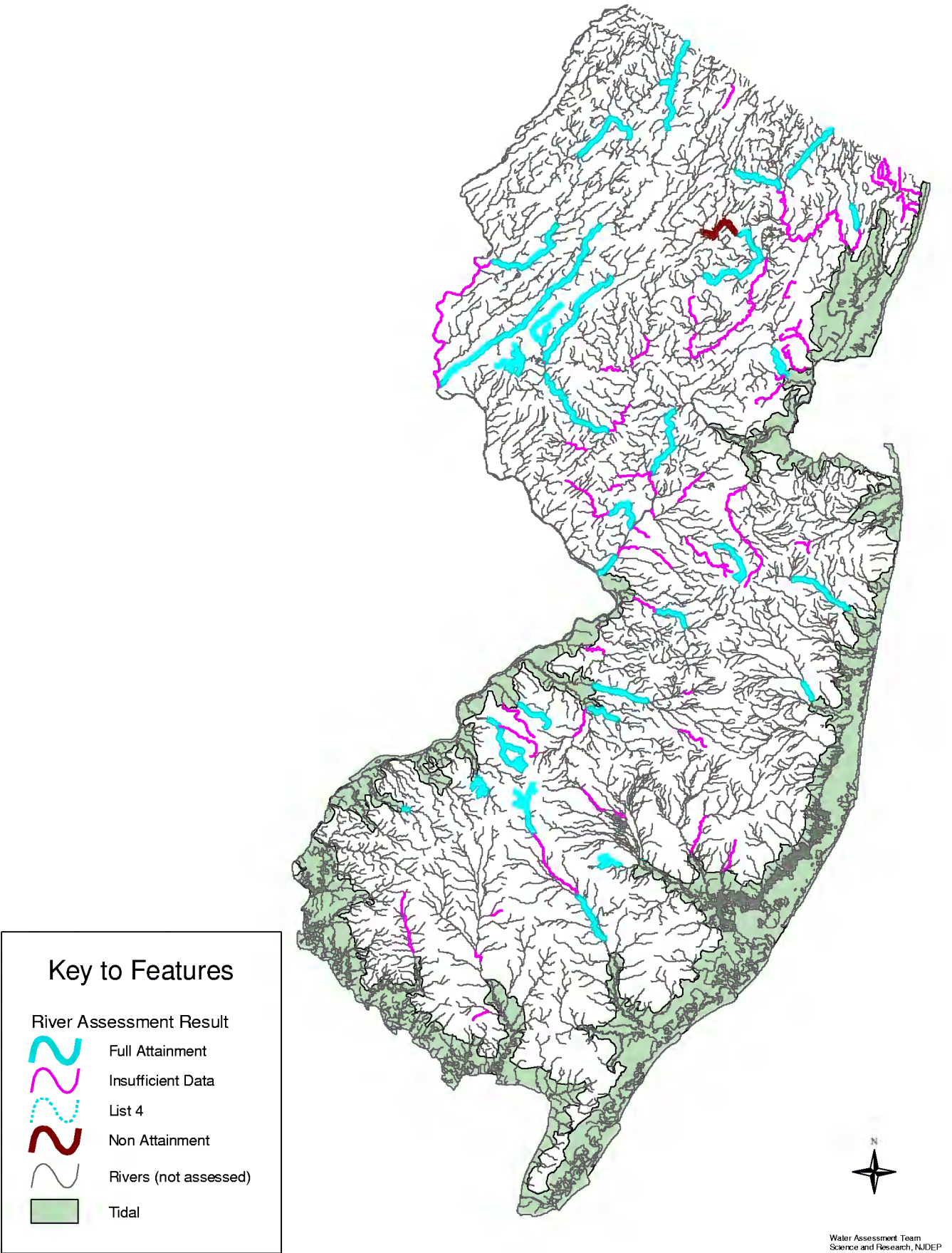


FIGURE 2.1b-19. Assessment Status for Selenium in Rivers.



Silver

A total of 24 sites representing 132 river miles were assessed for silver. Because the acute aquatic life criteria is below the method detection level (MDL), no sites were placed on sublist 1 as “Full Attainment.” If the data showed no exceedances, it was listed under sublist 3 as “Insufficient Data.” (see the Methods Document, Section 4.2.2 for an explanation of MDLs for metals) However, of the 18 sites on sublist 3, all had insufficient data to make an assessment. Only 25% of the sites were listed on sublist 5, with all of the sites being carried over from the 1998 303(d) List due to insufficient data to make re-assessments.

Results of the silver assessment are summarized below in Table 2.1b-27. Results for individual stations are depicted in Figure 2.1b-20 and in Tables II-15 through 18 in the Appendix.

Table 2.1b-27. Silver Status

Silver Status	Number of Stations	Percent of Stations	Number of Assessed River Miles		Percent of Assessed River Miles	
			Monitor	Estimate	Monitor	Estimate
Sublist 1	0	NA	0	0	NA	NA
Sublist 3	18	75%	84	0	64%	NA
Sublist 4	0	NA	0	0	NA	NA
Sublist 5	6	25%	48	0	36%	NA
Totals	24	100%	132	0	100%	NA

Of the 6 stations on the 1998 303(d) List for silver, all of the sites were carried over to sublist 5 due to insufficient data available (see Table 2.1b-28).

Table 2.1b-28. Silver Sites Carried Over From 1998 303(d) List

WMA	Station Number	Station Name	WMA	Station Number	Station Name
18	01477120, 18-RAC-1	Raccoon Creek near Swedesboro	04	01389500, 4-PAS-3, 4-SITE-6	Passaic River at Little Falls
06	01379000, 6-PAS-1, 6-SITE-2	Passaic River near Millington	04	01389130, 4-PAS-4	Passaic River at Sigac
06	01379500, 6-PAS-2, 6-SITE-1	Passaic River near Chatham	04	01389880, 4-SITE-5	Passaic River at Elmwood Park

FIGURE 2.1b-20. Assessment Status of Sites Monitored for Silver. Includes sites carried over from the 1998 303(d) List.

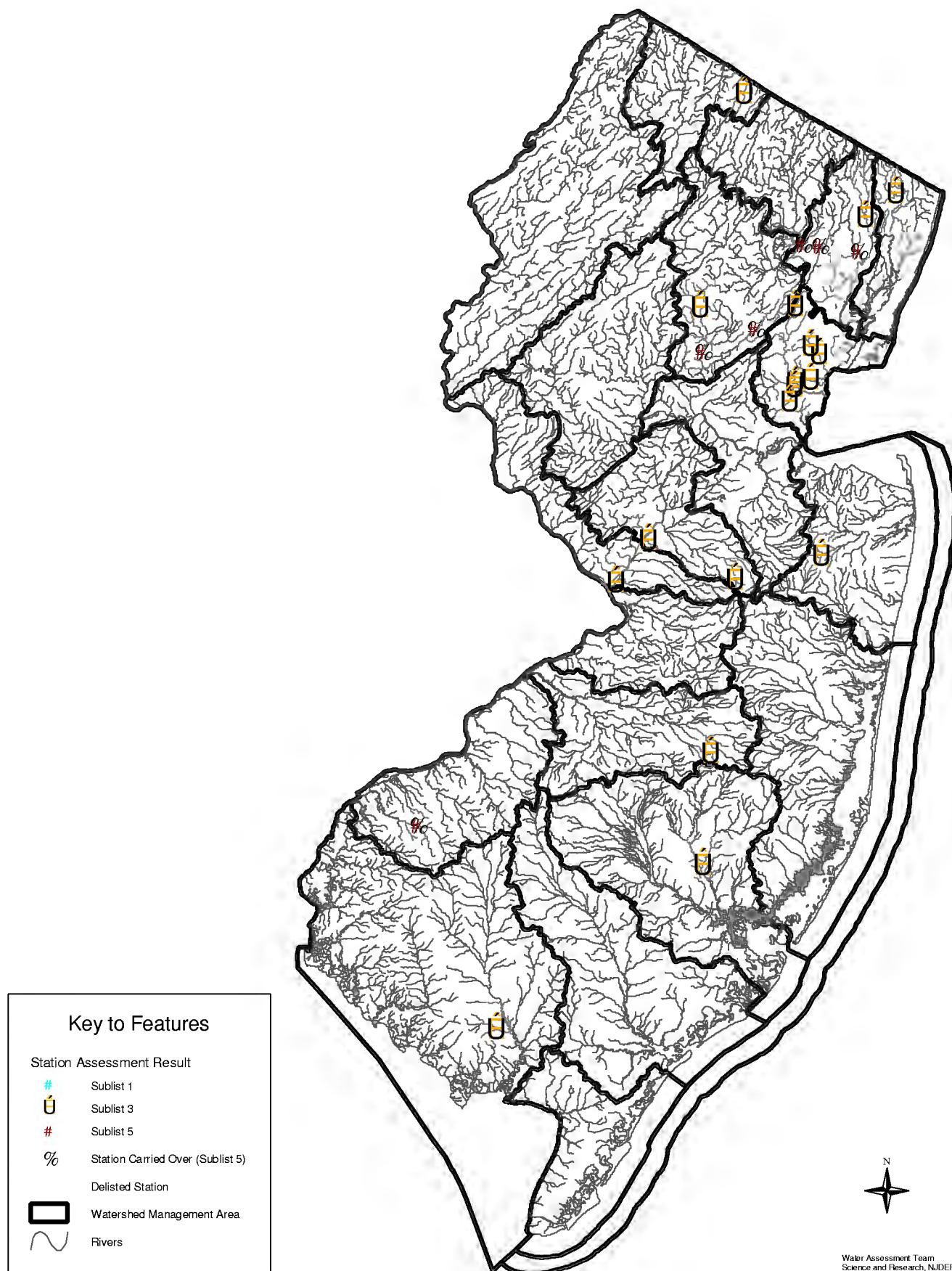
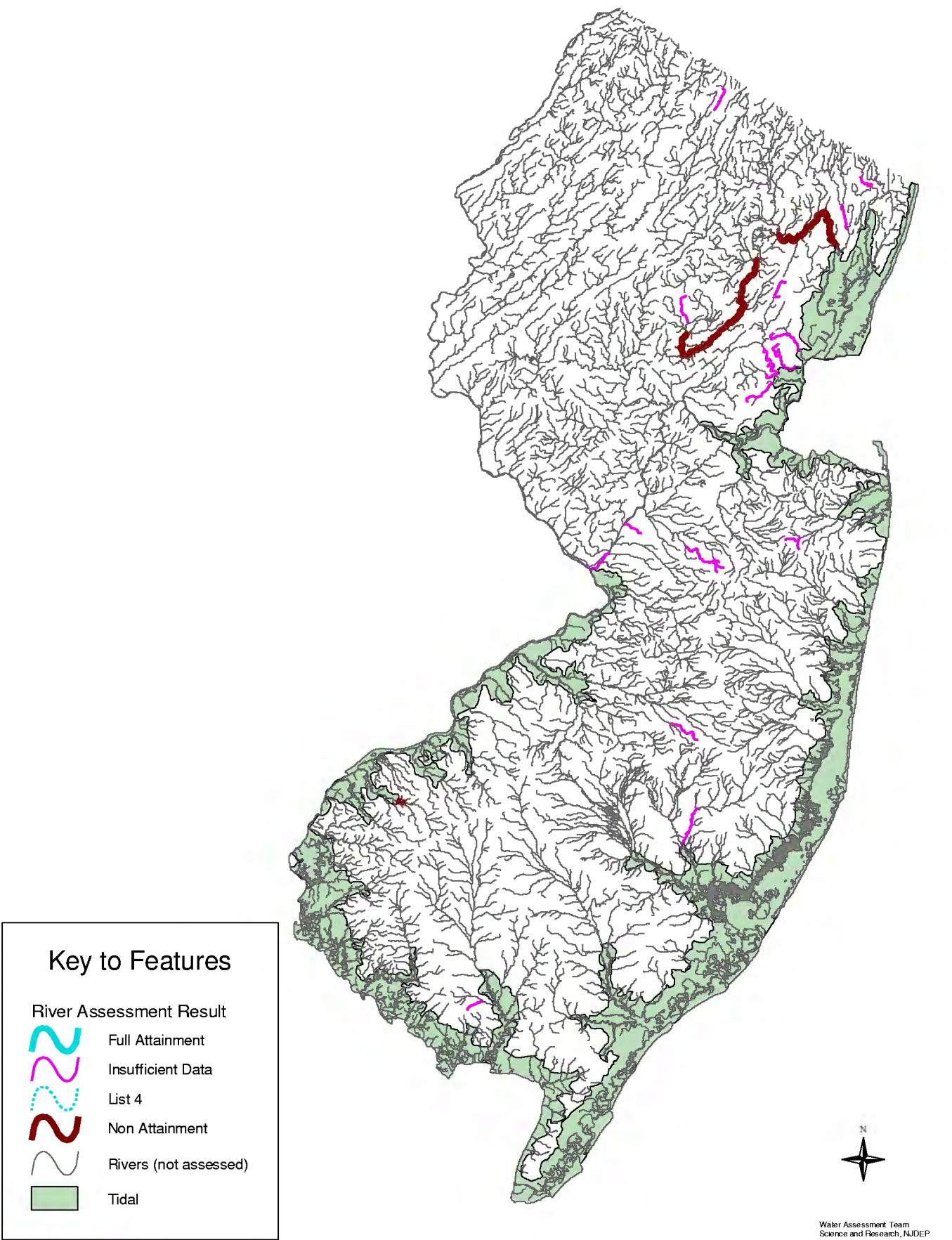


FIGURE 2.1b-21. Assessment Status for Silver in Rivers.



Thallium

Only 9 sites representing 46 river miles were assessed for thallium. All new assessments did not have sufficient data to complete an assessment, while the 3 sites on sublist 5 were carried over from the 1998 303(d) List due to insufficient data to make re-assessments.

Results of the thallium assessment are summarized below in Table 2.1b-29. Results for individual stations are depicted in Figure 2.1b-22 and in Tables II-15 through 18 in the Appendix.

Table 2.1b-29. Thallium Status

Thallium Status	Number of Stations	Percent of Stations	Number of Assessed River Miles		Percent of Assessed River Miles	
			Monitor	Estimate	Monitor	Estimate
Sublist 1	0	NA	0	0	NA	NA
Sublist 3	6	67%	29	0	63%	NA
Sublist 4	0	NA	0	0	NA	NA
Sublist 5	3	33%	17	0	37%	NA
Totals	9	100%	46	0	100%	NA

Of the 3 stations on the 1998 303(d) List for thallium, all of the sites were carried over to sublist 5 due to insufficient data available (see Table 2.1b-30).

Table 2.1b-30. Thallium Sites Carried Over From 1998 303(d) List

WMA	Station Number	Station Name
06	01389130, 4-PAS-4	Passaic River at Sigac
06	01389500, 4-PAS-3, 4-SITE-6	Passaic River at Little Falls
06	01389880, 4-SITE-5	Passaic River at Elmwood Park

FIGURE 2.1b-22. Assessment Status of Sites Monitored for Thallium. Includes sites carried over from the 1998 303(d) List.

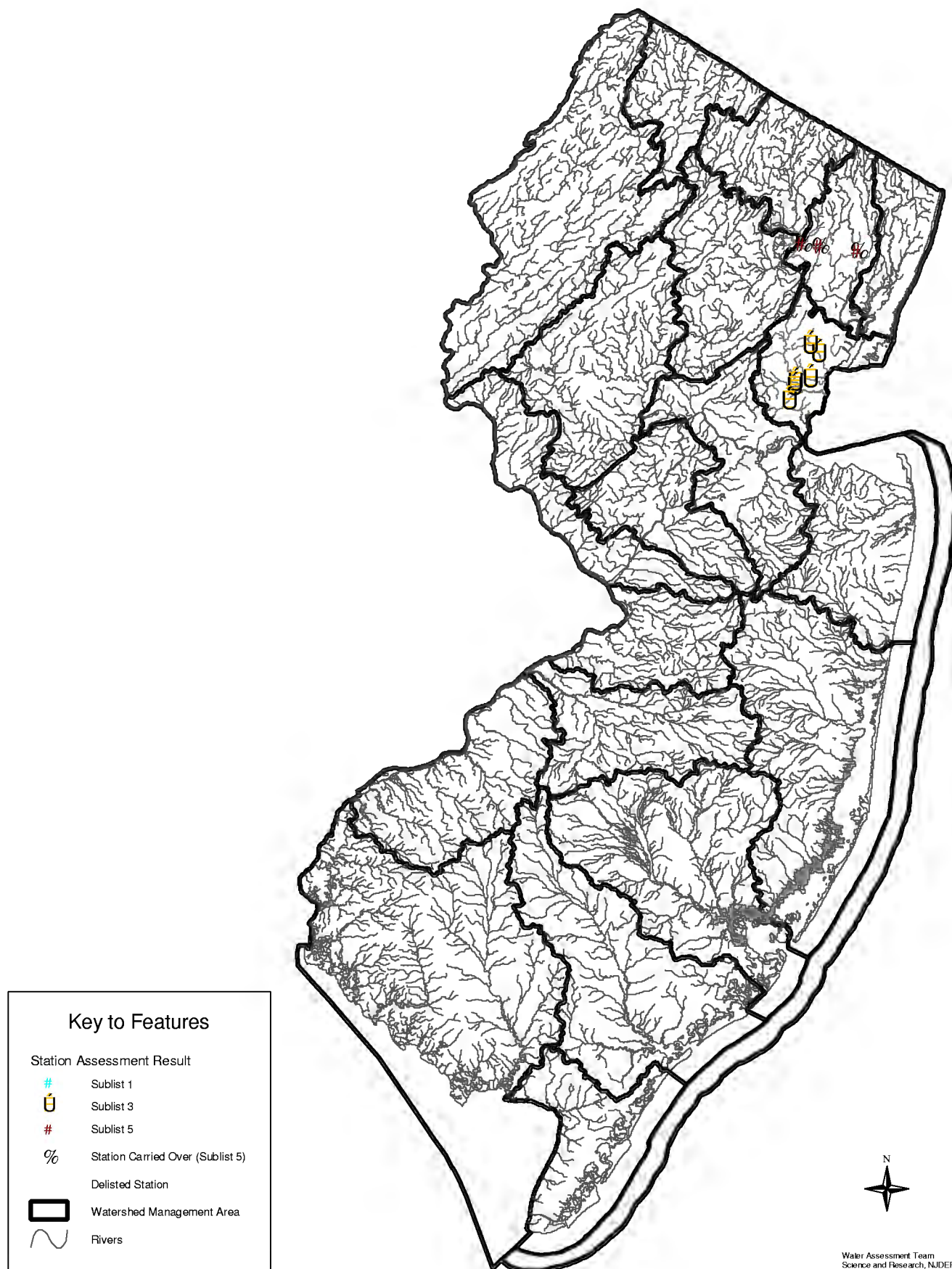
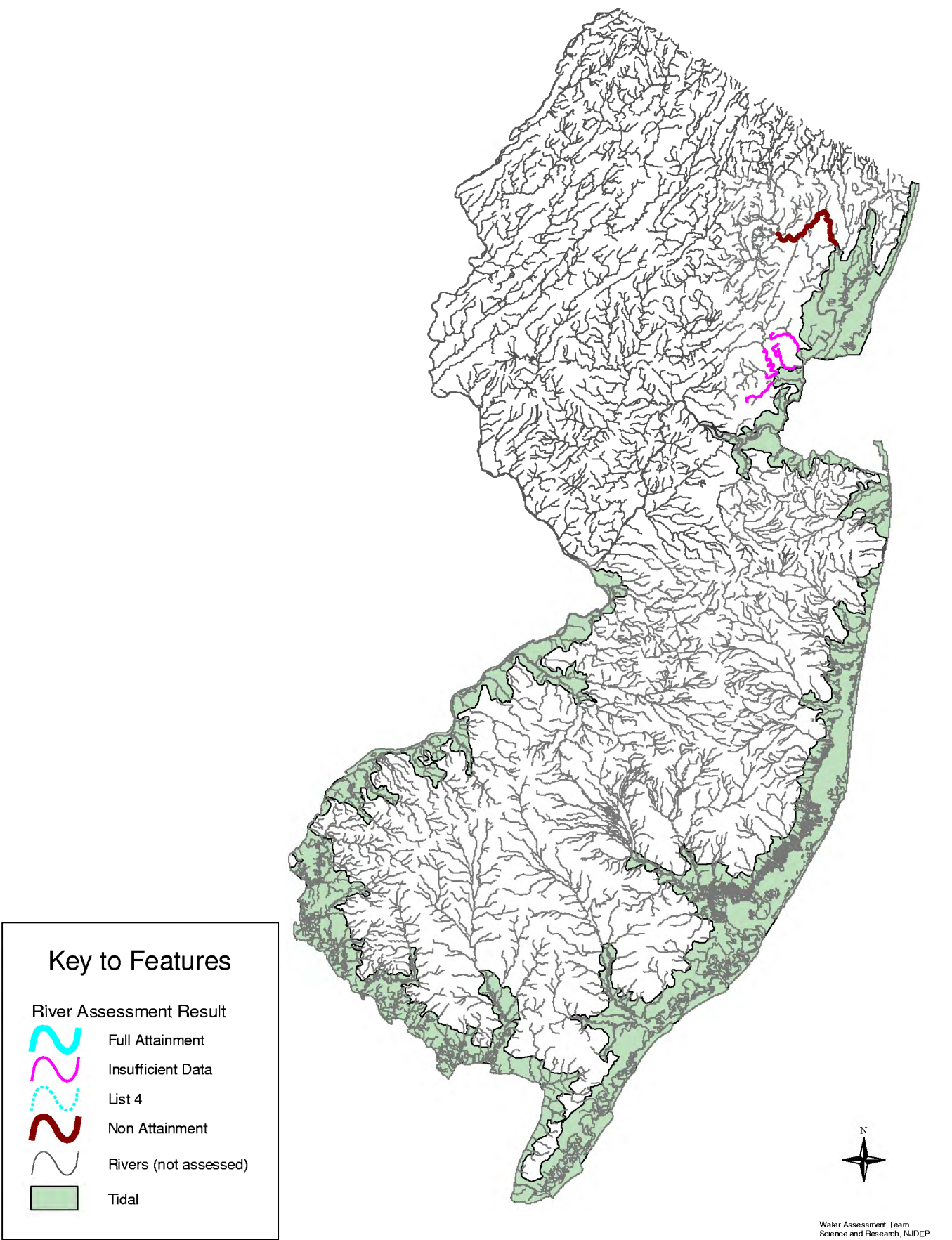


FIGURE 2.1b-23. Assessment Status for Thallium in Rivers.



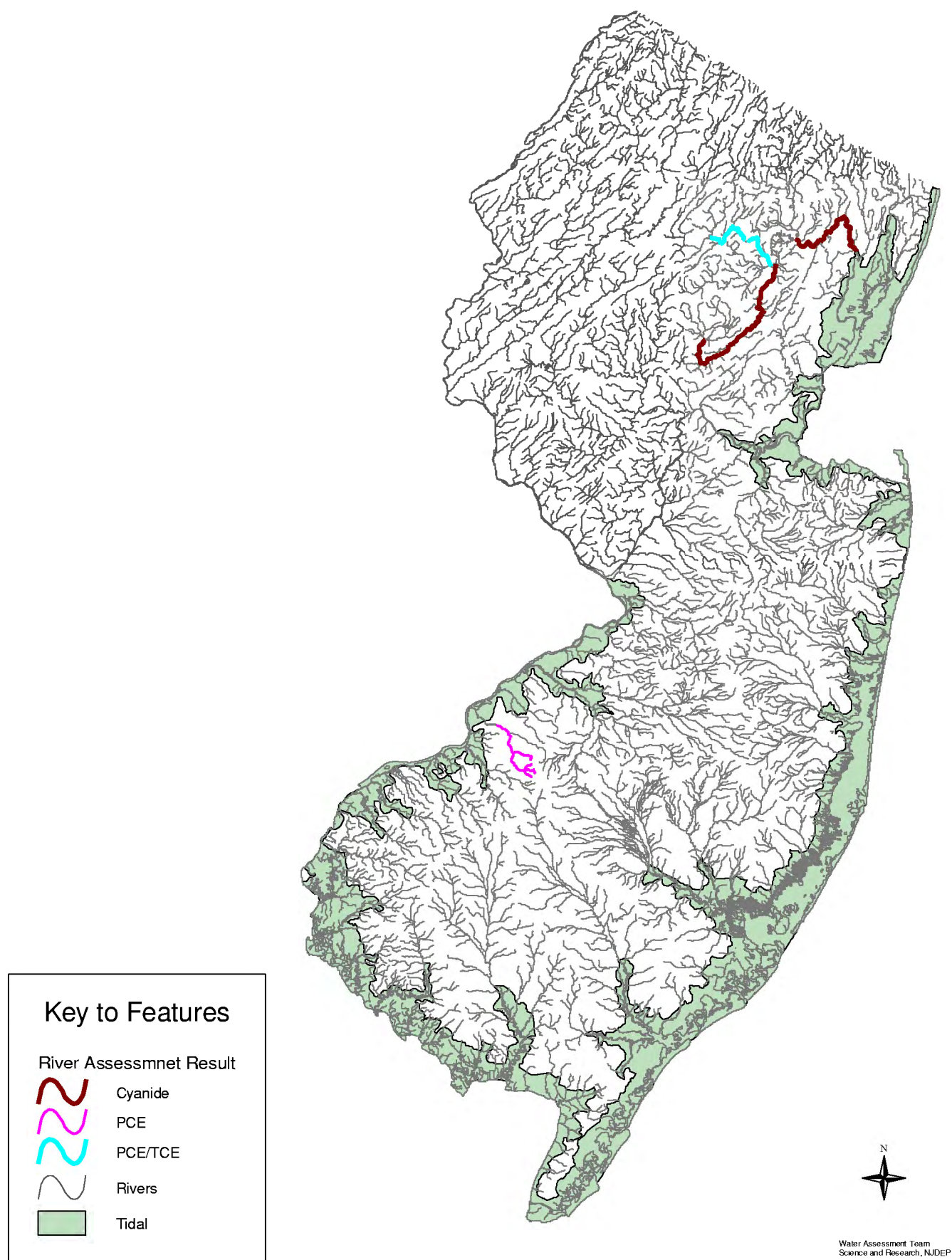
Other Metals

Other toxics, not covered in the above section, had exceedances of their criteria that caused them to be listed on the 1998 303(d) List. These sites have no recent additional data to re-assess their status and are listed on sublist 5 of the 2002 Integrated List.

Table 2.1b-31. Other Metals Carried Over From 1998 303(d) List

WMA	Station Number	Station Name	Metal
06	01379000, 6-PAS-1, 6-SITE-2	Passaic River near Millington	Cyanide
06	01379500, 6-PAS-2, 6-SITE-1	Passaic River near Chatham	Cyanide
06	01389130, 4-PAS-4	Passaic River at Sigac	Cyanide
06	01389500, 4-PAS-3, 4-SITE-6	Passaic River at Little Falls	Cyanide
06	01389880, 4-SITE-5	Passaic River at Elmwood Park	Cyanide
08	01467150, 18-CO-4	Cooper River at Haddonfield	PCE
08	18-CO-1	Cooper River at Rte 130 in Camden	PCE
06	01380500, 6-SITE-11	Rockaway River at Boonton	PCE, TCE
06	01381200, 6-ROC-1, 6-SITE-10	Rockaway River at Pine Brook	PCE, TCE

FIGURE 2-1b-24. Other Metals Listed on Sublist 5, Carried Over from the 1998 303(d) List.



Source Assessment for Metals

Although sources of metals may be natural from the weathering of rocks and soils, major sources derive from anthropogenic sources such as wastewater discharges, stormwater runoff, landfills, industrial waste, atmospheric deposition, fertilizers, inorganic pesticides, and automobile exhaust. Many of these metals are found in the streambed sediment of rivers. The metals in the sediments can be an additional source of metals in the water column through re-suspension of the sediments during high flows or by certain physiochemical conditions of the water column.

Unknown Toxics

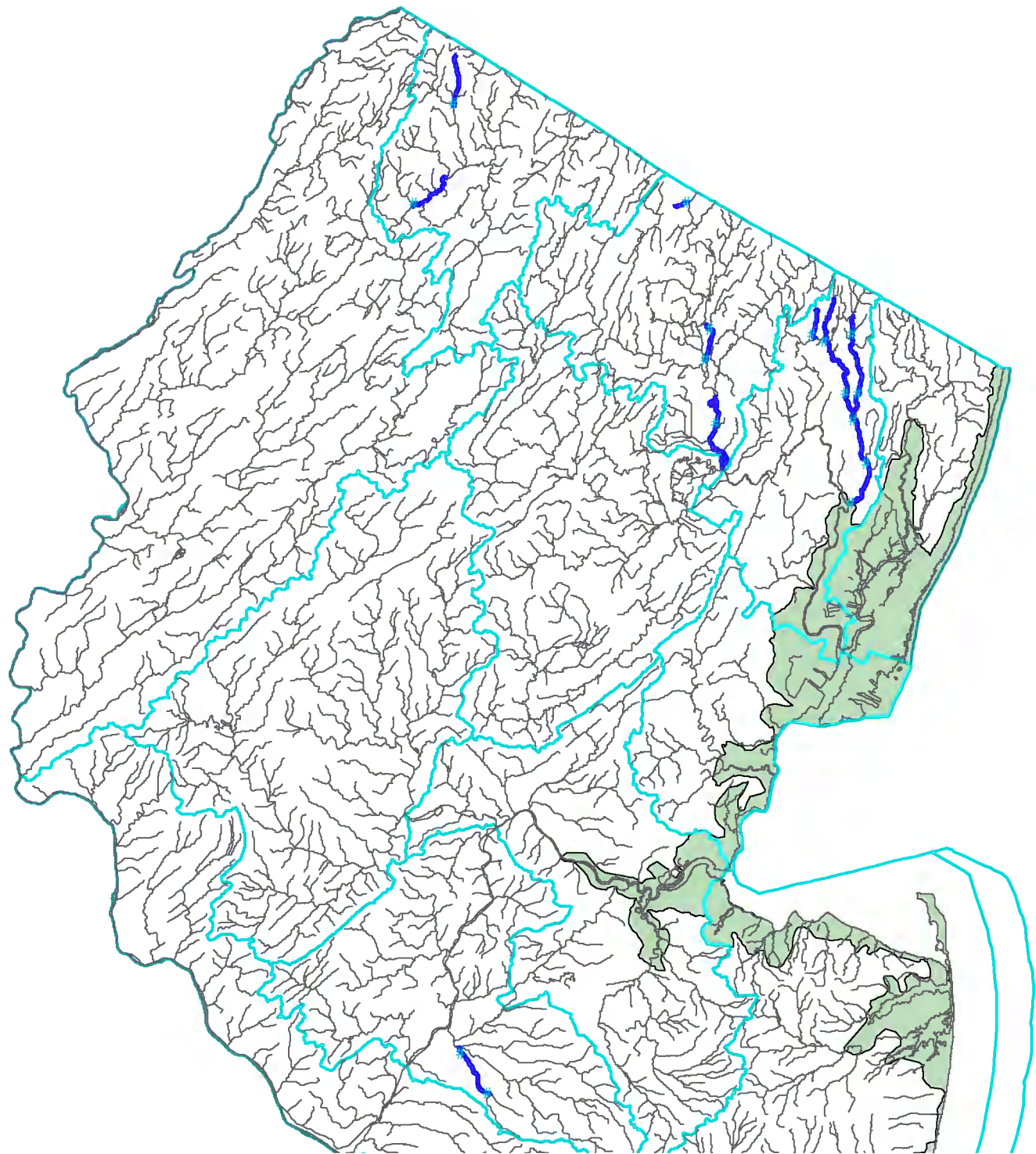
On the 1998 303(d) List, 9 sites representing 54 river miles were listed for unknown toxics (see Table 2.1b-32 and Figure 2-1b-25). These sites were listed as a result of a study that found unusually high abnormalities with macroinvertebrates at NJDEP Ambient Biological Monitoring Network (AMNET) sites. Since the study was conducted, no new sampling has occurred at these sites and they are therefore carried over to sublist 5 of the 2002 Integrated List.

An individual site, Kings Creek, was also listed on the 1998 303(d) List, but was excluded from the assessments since the site could not be located on GIS maps, and river miles could not be calculated.

Table 2.1b-32: Sites with Unknown Toxicity

WMA	Station Number	Station Name
03	AN0255	Wanaque River at E Shore Dr in West Milford Twp
03	AN0256, AN0257	Wanaque River at Highland Ave (blw STP) in Wanaque, Wanaque River at Wanaque Ave in Pompton Lakes
03	AN0268, AN0268A	Pompton R at Newark Pompton Tnpk in Pequannock Twp, Pompton River at Pompton Plains Cross Rd in Pequannock Twp
04	AN0281, AN0282, AN0290, AN0291	Saddle R at E Allendale Ave in Saddle River, Saddle R at E Ridgewood Ave in Paramus, Saddle R at Railroad Ave in Rochelle Park Twp, Saddle R at Marcellus Pl in Garfield,
04	AN0284	Valentine Brook at Forest Ave in Allendale
04	AN0287, AN0288	Ramsey Brook at Park Ave in Allendale, Hohokus Brook at Spring St in Ridgewood Village
02	AN0304	Papakating Creek at Rt 565 in Frankford Twp
02	AN0308	Clove Brook UNK Trib at Rose Marrow Ave in Wantage Twp
20	AN0384	Bear Brook at Stobbe Ln in West Windsor Twp

FIGURE 2.1b-25. Unknown Toxic Sites.



Key to Features

#	Unknown Toxics Stations		Rivers		Watershed Management Areas
	Rivers Listed for Unknown Toxics		Tidal		



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Section 2.2 Tidal Rivers and Coastal Waters

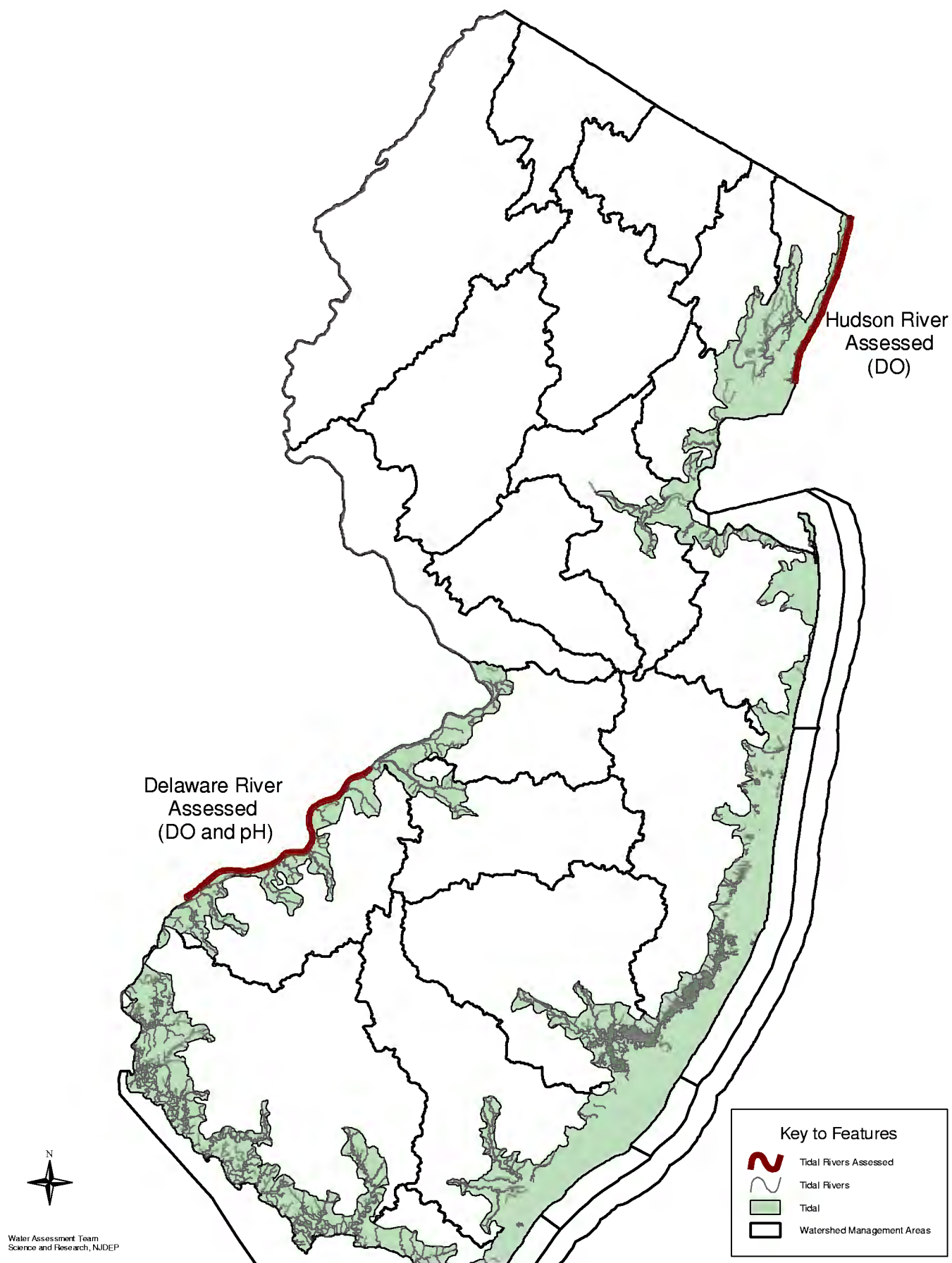
Section 2.2a Conventional Assessments

Of the 1,520 tidal river miles, 152 river miles were assessed for conventional water quality. The primary sources for conventional water quality data include the following networks: Delaware River Basin Commission - Delaware River monitoring; the Interstate Environmental Commission - Hudson River monitoring; NJDEP Marine and Estuarine Water Quality Network- targets mostly coastal waters, but some sites are located in tidal rivers; and Monmouth County Health Department - 23 sites located in tidal rivers with limited data. See Appendix II, Data Sources for the 2002 NJ Integrated Report, for details on the above monitoring networks.

Assessments based on available data included dissolved oxygen (DO), fecal coliform (FC), and pH. Dissolved oxygen and fecal coliform results for tidal rivers are discussed in Chapter 3, Section 3 under aquatic life and recreational designated uses respectively. However, several sites located on the Delaware River and Hudson River, listed on the 1998 303(d) List, are not discussed in Section 3 for DO. These sites were delisted from the 1998 303(d) List after new data confirmed that conditions met SWQS. The spatial extent for these assessed sites may be seen in Figures 2.2a-1. In addition, pH was re-assessed on the Delaware River where it was previously listed on the 1998 303(d) List, and was also delisted.

For coastal water assessments, the two conventional water quality parameters assessed were: dissolved oxygen and fecal coliform. The assessment results for these waters are discussed in Chapter 3, Section 3 under aquatic life and recreational designated uses respectively.

FIGURE 2.2a-1. Tidal Rivers Assessed for Conventional Water Quality. These rivers were not included in the coastal waters assessments in Section 3.



Section 2.2b Metal Assessments

17 sites representing 179 miles were assessed for metals in tidal rivers. While several sites did not have new data for re-assessment, many metals were delisted from the 1998 303(d) List based on recent assessments (See Table 2.2b-1). Of the 91 individual metal listings, 40 metals (44%) were delisted from the 17 sites. In lieu of these delistings, all 179 river miles still had at least one metal on sublist 5. Several sites had metals placed on sublist 4 because of a TMDL or other metal reduction management plans. The sites listed on sublist 4 include: Rancocas Creek at Hainsport - Lead ; Delaware River/Estuary (Trenton to head of Delaware Bay) - 1,2 Dichlorethane and Tetrachloroethene; and Tidal Hackensack River - Nickel. Sites with no new data for re-assessment comprised of: Berrys Creek, Great Egg Harbor River Estuary, Newton Creek, Pennsauken Creek-Mainstem, South River, and Toms River-Tidal.

A summary of metal assessments is shown in Table 2.2b-2.

Table 2.2b-1. Tidal Rivers with Metal Listing

WMA	Station Number	Station Name	Metals Listed on 1998 303(d) List	Metals Listed on Sublist 5 of 2002 Inrtegrated List
19	19-RA-1S	Rancocas Creek at Hainsport	Lead	
05		Berry's Creek Reach 02030103-034	Mercury, Arsenic, Lead, Copper, PCB	Mercury, Arsenic, Lead, Copper, PCB
18/19		Delaware River Zone 2/3, 02040202-043	Copper, Lead, Iron	
19		Delaware River Zone 2, 02040201-004	Arsenic, Beryllium, Cadmium, Copper, Chromium, Lead, Mercury, Silver, Zinc	Cadmium, Mercury
19		Delaware River Zone 2, 02040202-053	Lead, Iron	
18		Delaware River Zone 3 Reach 02040202-030	Cadmium, Copper, Iron, Lead, Zinc	Cadmium
18		Delaware River Zone 3, 02040402-035	Arsenic, Cadmium, Lead, Mercury, Zinc, 1,2-Dichloroethane, Tetrachloroethylene	Arsenic, Cadmium, Mercruy
17-20		Delaware River/Estuary (Trenton to head of Delaware Bay)	PCBs, PAHs, DDT, DDE, DDD, Dieldrin, 1,2 Dichloroethane, Tetrachloroethene	PCB, DDT, DDE, DDD, Dieldrin
15		Great Egg Harbor River Estuary	Arsenic, Beryllium, Cadmium, Chromium, Lead, Mercury, Nickel, Zinc	Arsenic, Cadmium, Chromium, Lead, Mercury, Nickel, Zinc
05		Hackensack River – Tidal	Copper, Lead, Nickel	Mercury
05		Hudson River	Mercury	Mercury
18		Newton Creek	Copper, Zinc	Copper, Zinc
04		Passaic River – Tidal	Arsenic, Copper, Lead, Mercury, Nickel	Arsenic, Mercury

Table 2.2b-1. Tidal Rivers with Metal Listing (cont)

WMA	Station Number	Station Name	Metals Listed on 1998 303(d) List	Metals Listed on Sublist 5 of 2002 Integrated List
18		Pennsauken Creek – Mainstem	Arsenic, Beryllium, Cadmium, Chromium, Copper, Lead, Mercury, Iron	Arsenic, Cadmium, Chromium, Copper, Lead, Mercury
09		Raritan River Estuary, 02030105-001	Arsenic, Cadmium, Mercury, Lead, Mercury, Zinc	Arsenic, Cadmium, Zinc
09		Raritan River Estuary, 02030105-002	Arsenic, Cadmium, Lead, Mercury, PCB-1254	Arsenic, Cadmium, Zinc, PCB
10		South River	Arsenic, Cadmium, Chromium, Copper, Iron, Lead, Mercury	Arsenic, Cadmium, Chromium, Copper, Lead, Mercury
13		Toms River - Tidal	Arsenic, Copper, Lead, Iron, Nickel, Zinc	Arsenic, Copper, Lead, Nickel, Zinc

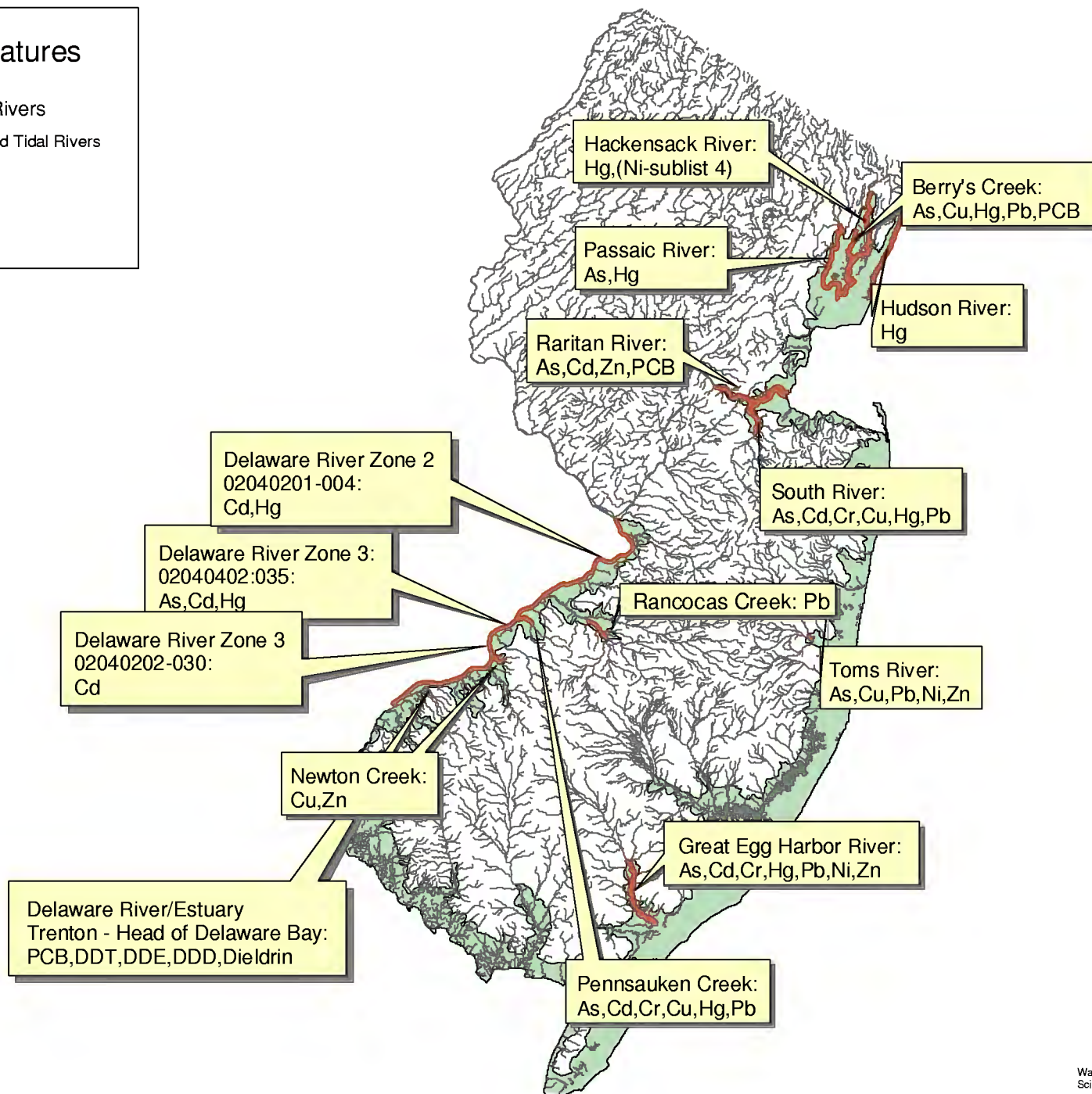
Table 2.2b-2. Tidal Rivers Metal Assessments

Metal	Sublist 1: River Miles	Sublist 3: River Miles	Sublist 4: River Miles	Sublist 5: River Miles	Sublist 1: Percent	Sublist 3: Percent	Sublist 4: Percent	Sublist 5: Percent
Arsenic	18	6	0	75	18%	6%	NA	76%
Cadmium	0	6	0	73	NA	8%	NA	92%
Chromium	18	6	0	30	33%	11%	NA	56%
Mercury	16	6	0	120	11%	4%	NA	85%
Copper	84	6	0	25	73%	5%	NA	22%
Lead	93	0	0	44	68%	NA	0%	32%
Nickel	33	6	24	18	41%	7%	30%	22%
Zinc	27	6	0	29	44%	9%	NA	47%
Selenium	0	6	0	0	NA	100%	NA	NA
Silver	18	0	0	0	100%	NA	NA	NA
PCB	0	0	0	13	NA	NA	NA	100%
PCB, DDT, DDE, DDD, Dieldren, 1,2-Dichloroethane, PCE	0	0	0	55	NA	NA	NA	100%

FIGURE 2.2b-1. Assessed Tidal Rivers for Metals. Metals on sublist 5 depicted in text boxes.

Key to Features

Assessed Tidal Rivers



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Coastal Waters

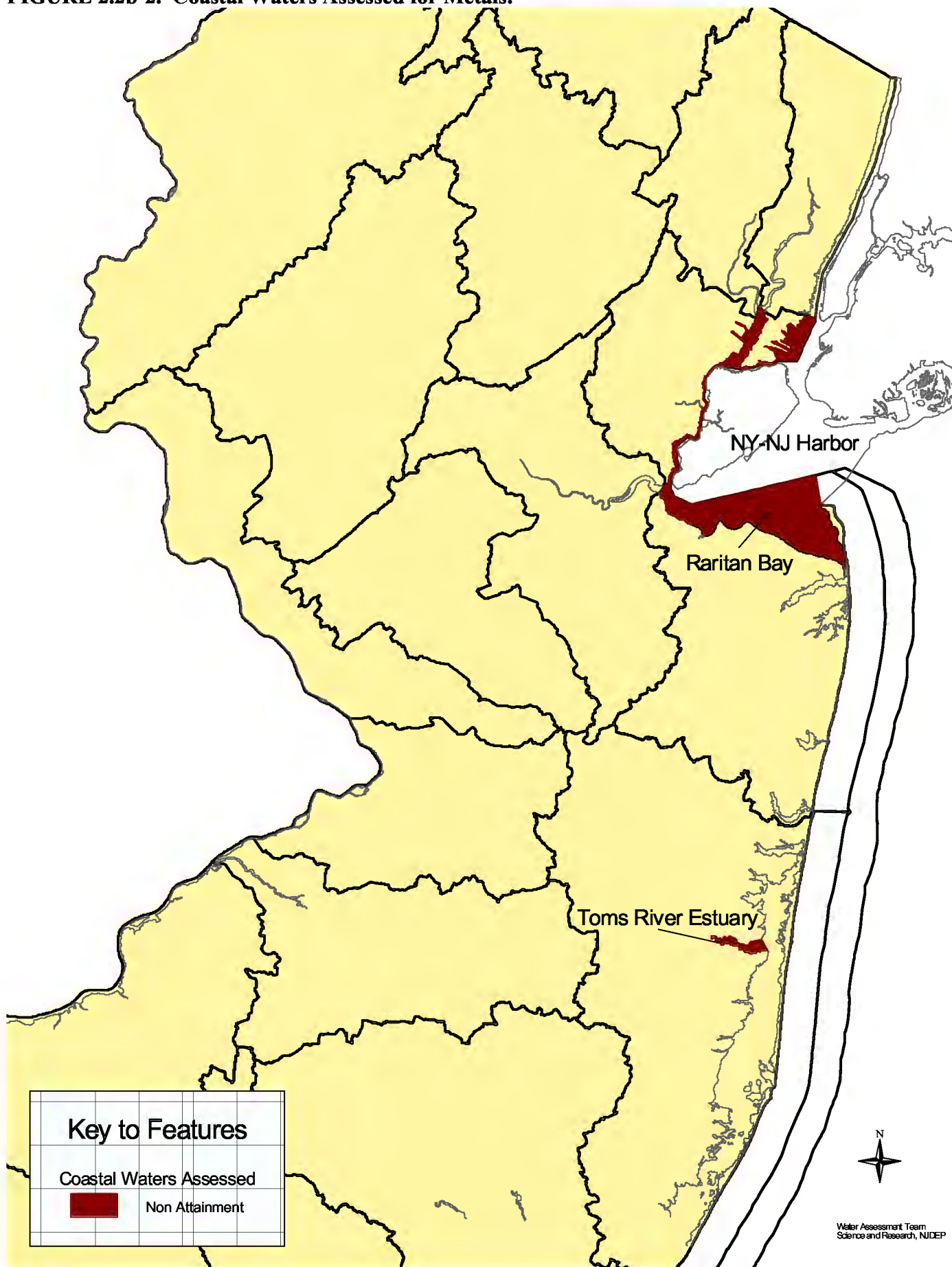
Of the 1,061 square miles of coastal waters, only 68 square miles were assessed for metals. The only two coastal areas assessed were: Toms River Estuary; and the NY-NJ Harbor comprising of Upper New York Harbor, Kill Van Kull, Newark Bay, Arthur Kill, and Raritan Bay (see Figure 2.2b-2). In the Toms River Estuary, 6 metals were originally listed on the 1998 303(d) list: arsenic, copper, lead, iron, nickel, and zinc. All of these elements have no new data to re-assess their attainment status, however, iron was taken off the 2002 Integrated List since there is no SWQS for this metal. In the NY-NJ Harbor, see Chapter 4, Section 4.2b for a detailed description of the status of metals. No other metal sampling occurred in other coastal waters.

Below is the summary of coastal waters assessed for metals.

Table 2.2b-3. Coastal Waters Metal Assessments

Metal	Sublist 1 Square Miles	Sublist 3 Square Miles	Sublist 4 Square Miles	Sublist 5 Square Miles
Arsenic	0	0	0	3 (Toms R Estuary)
Mercury	50 (Raritan Bay)	0	0	15 (NY-NJ Harbor)
Copper	65 (entire NY-NJ Harbor	0	0	3 (Toms R Estuary)
Lead	65 (entire NY-NJ Harbor	0	0	3 (Toms R Estuary)
Nickel	65 (entire NY-NJ Harbor	0	0	3 (Toms R Estuary)
Zinc	0	0	0	3 (Toms R Estuary)
PCB, Dioxin, PAH, Pesticides	0	0	0	65 (entire NY-NJ Harbor

FIGURE 2.2b-2. Coastal Waters Assessed for Metals.



Chapter 3: Designated Use Assessment

Section 3.1: River and Stream Designated Use Assessment

Section 3.1a: River and Stream Aquatic Life Use Assessment

Aquatic life designated use support assessments evaluate attainment of Federal and State Surface Water Quality Standards provisions for the protection and propagation of a balanced population of shellfish, fish and wildlife.

The NJDEP has a wide range of data available including chemical, habitat, and biological information for assessing aquatic life use support. USEPA guidance for the Preparation of Water Quality Inventory Reports strongly emphasizes the use of biological data as the basis for assessing wade-able streams and rivers especially when the data quality is high, as in New Jersey. Therefore, NJDEP evaluated aquatic life designated use support in non-tidal rivers and streams using benthic macroinvertebrate monitoring. Descriptions of the macroinvertebrate monitoring program are in the Methods Document in Appendix II, Data Sources for the 2002 New Jersey Integrated Report. The methods used to assess the resulting data are contained in section 5.1.2 in the Methods Document.

Currently in New Jersey, monitoring occurs in the Ambient Biological Monitoring Network (AMNET) at over 800 locations statewide on a 5-year rotating schedule. Round 1 sampling was completed in the mid-1990's and the resulting designated use assessment results were reported in the 1992, 1994, 1996 and 1998 305(b) Reports. Round 2 sampling began in 1997 and was completed in 2001, the results of which form the basis for the assessment presented in this 2002 Integrated Report. Readers are referred to the 1996 or 1998 305(b) Reports (NJDEP, 1996; NJDEP, 1998) for the status of statewide aquatic life assessment results based upon the first round of sampling. These reports are available at <http://www.state.nj.us/dep/watershedmgt/bfbm/downloads.html>. Supplementing the Department's own biological monitoring are 26 benthic macroinvertebrate sites monitored by Monmouth County which had met the Department's QA/QC requirements for biological monitoring and assessments.

In addition to direct biological assessments, the current round of field work by the Department includes a qualitative assessment of stream habitat quality at each monitoring location, the results of which are used to compute a Habitat Assessment Score. Various components of the habitat are examined such as the amount of available cover along the stream bottom, amount of sediment deposition, bank stability, frequency of riffles, presence and amount of riparian vegetative cover, etc.

River and Stream Aquatic Life Use Assessment Results

A total of 921 benthic sites (AMNET and Monmouth County) were monitored in support of this assessment. A subtotal of 348 benthic sites (38% of the total) were placed on Sublist 3 based upon protocols developed by an Interagency Workgroup comprised of representatives of NJDEP, USGS, and USEPA Region II. The protocols and technical basis supporting them are presented in Appendix IV of the Methods Document.

Out of the remaining 573 stations sampled by the NJDEP and Monmouth County: 223 stations (24% of the 921 sites) were rated as non-impaired and listed on sublist 1, 319 stations (35%) were rated as in nonsupport of the designated use and assigned to sublist 5. Of the total on sublist 5; 76 stations were assessed as severely impaired and 243 were assessed as moderately impaired. (see Table 3.1a-1). Thirty-one sites (3% of the total sites monitored) were found to be located below the head of tide and are unassessed. When translated into river miles the results are as follows: of a total of 2,462 miles assessed; 685 miles (28%) fully support the use (sublist 1), 957 miles (39%) represent insufficient data (sublist 3) and 820 miles (33%) do not support the use (sublist 5) (Table 3.1a-1).

Table 3.1a-1: Results of 2002 Integrated Assessment of Ambient Biological Monitoring Network

Assessment Category	Number of Sites	Equivalent River Miles	
		Monitored	Estimated
Full Support	223 (24 % of all 921 sites monitored)	641 (27%)	44 (34%)
Insufficient Data	348 (38 % of all 921 sites monitored)	957 (41 %)	0
Non Support	319* (35 % of all 921 sites monitored)	736 (31 %)	84 (66%)
Unassessed**	31 (3% of all 921 sites monitored)		
Total Sites Assessed	921	2,334	128

* Of this total; 243 sites are assessed as moderately impaired and 76 are severely impaired.

** This category represents sites located below head of tide.

Comparison with AMNET Results from the early 1990's

Evaluating the second round data against the first round assessments would be difficult due the large number of sites which have been assigned to Sublist 3 (insufficient data) in the 2002 Integrated List. In a sense, the 1998 network and the current network, as assessed here, are very different monitoring networks. The best comparison would be to enumerate the number of sites listed in the New Jersey 1998 303(d) list which have been delisted and moved to Sublist 1 (sites now in full attainment). Of a total of 590 AMNET sites originally listed in 1998, sixty-nine were assessed in 2002 as fully supporting the use and delisted (moved to Sublist 1) (see Table 3.1a-2). Two hundred and fifty-six sites are still assessed as being in non-support and remain on Sublist 5 of the 2002 List.

Of significance are 235 sites present on the 1998 List assessed in 2002 as being in need of additional evaluation (Sublist 3) due to their locations in relation to the Pinelands or headwater locations, etc. These sites are delisted from Sublist 5 (the 303(d) list and will need to be reassessed using methods calibrated for the special conditions represented by these locations. Also, twenty-six sites listed on the 1998 List were found to be located at or beyond the head of tide and are not assessed in 2002 as the current assessment methods are inappropriate for tidal conditions. These locations are also delisted from 303(d) (Sublist 5) and are regarded as

“unassessed.” Four sites from the 1998 List could not be located in the AMNET database and are believed to represent transcription errors in the 1998 List.

Table 3.1a-2: 2002 Assessment Status of Sites Previously Listed on NJ's 1998 303(d) List

Assessment Category in 2002	Number of Sites from the 1998 303(d) List
Full Support	69
Insufficient Data	235
Non Support	256
Not Assessed: Tidal Sites	26
Not Assessed*	4
Total Assessed	590

* Sites which could not be located in the AMNET database and are believed to represent transcription errors in the 1998 List.

Other Indicators of Aquatic Life Use Attainment

As discussed in Chapter 2, dissolved oxygen (DO) and unionized ammonia are relevant to aquatic life uses: DO is required for most forms of aquatic life and unionized ammonia is toxic to aquatic life in elevated concentrations. Based on data collected between 1996 and 2000 in the Ambient Stream Monitoring Network (ASMN), with few exceptions, monitored rivers attain these SWQS criteria or have water quality better than required by the SWQS.

Source and Cause Assessment

Extensive research has pointed to four general factors which have been associated with the impairment of benthic communities. These factors are-

- habitat alterations (e.g., erosion, sedimentation),
- flow alterations (decreasing base flow, flashiness),
- natural factors (drought, population fluctuations), and
- water and sediment quality degradation.

Often, multiple factors play a role in observed impairments such as multiple ongoing anthropogenic activities in concert with residual contamination from historical point and/ or non-point sources.

Using NJDEP data collected at over 700 sites, USGS evaluated the relationships between watershed characteristics and benthic status (USGS, 1998) and found the following:

- the total area of forest and wetlands in a basin were the best predictor of an unimpaired benthic community
- the amount of urban land in close proximity to a sampling site was the best predictor of an impaired benthic community
- distance from pollution sources to sampling sites was significant.

Through the Long Island - New Jersey National Ambient Water Quality Assessment (LI-NJ NAWQA) program, extensive data collection was conducted at 36 sites, primarily in the Piedmont region of New Jersey (Kennen, 1999). Concentrations of conventionals, volatile organic contaminants, pesticides in water and sediment, fish, algae and benthic populations, habitat quality data were collected. Advanced multi-variate statistics were used to identify

factors that may contribute to benthic impairment. Results indicate that hydrologic instability (high and frequent peak flows and low base flows), substrate quality (low percent cobble in the substrate), the density and percent of impervious surface cover in the upstream watershed and total annual flow of municipal effluent were important factors that contribute to benthic impairment.

Figure 3.1a-1. Assessment Status of Stations for Aquatic Life.

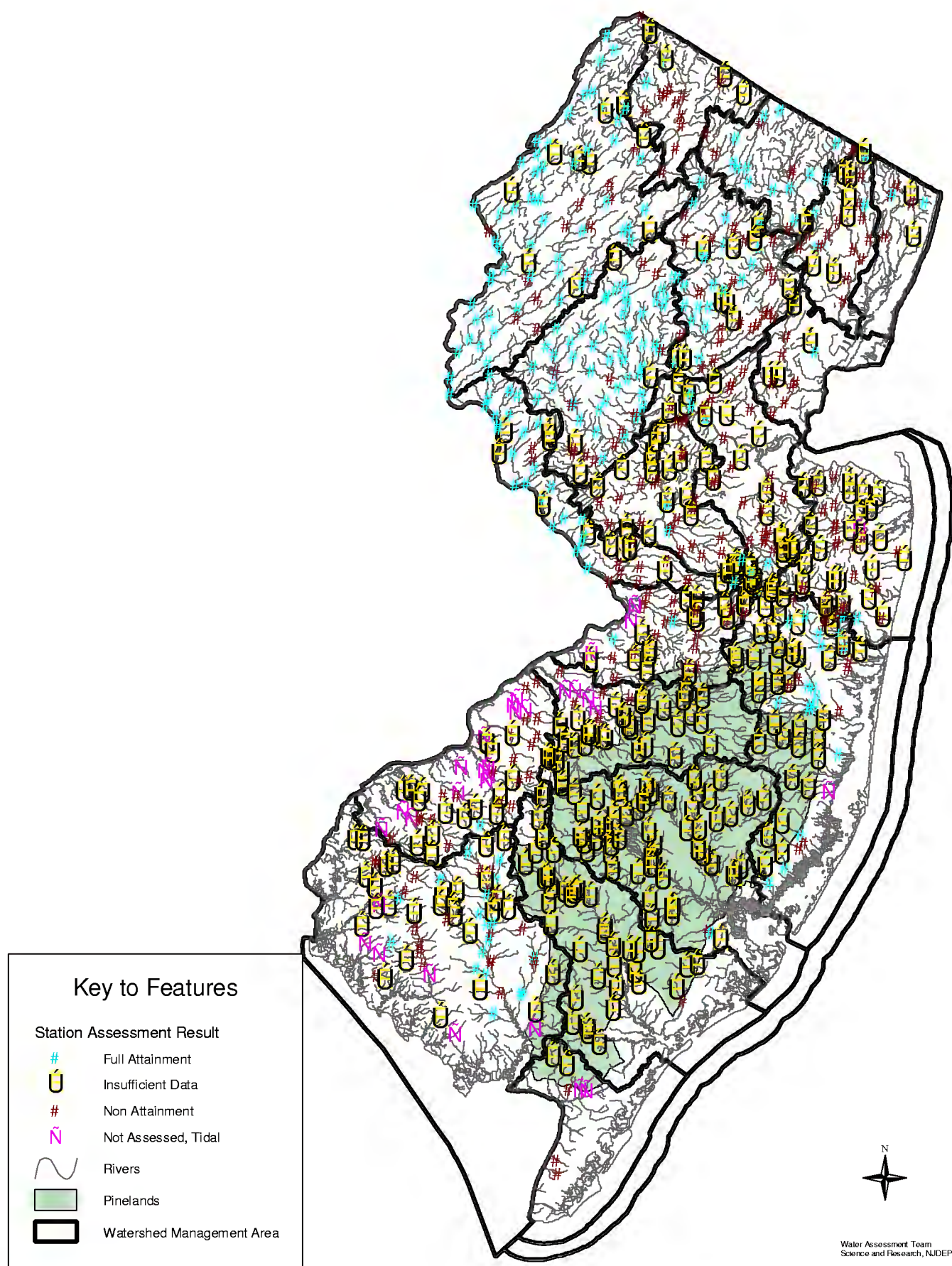
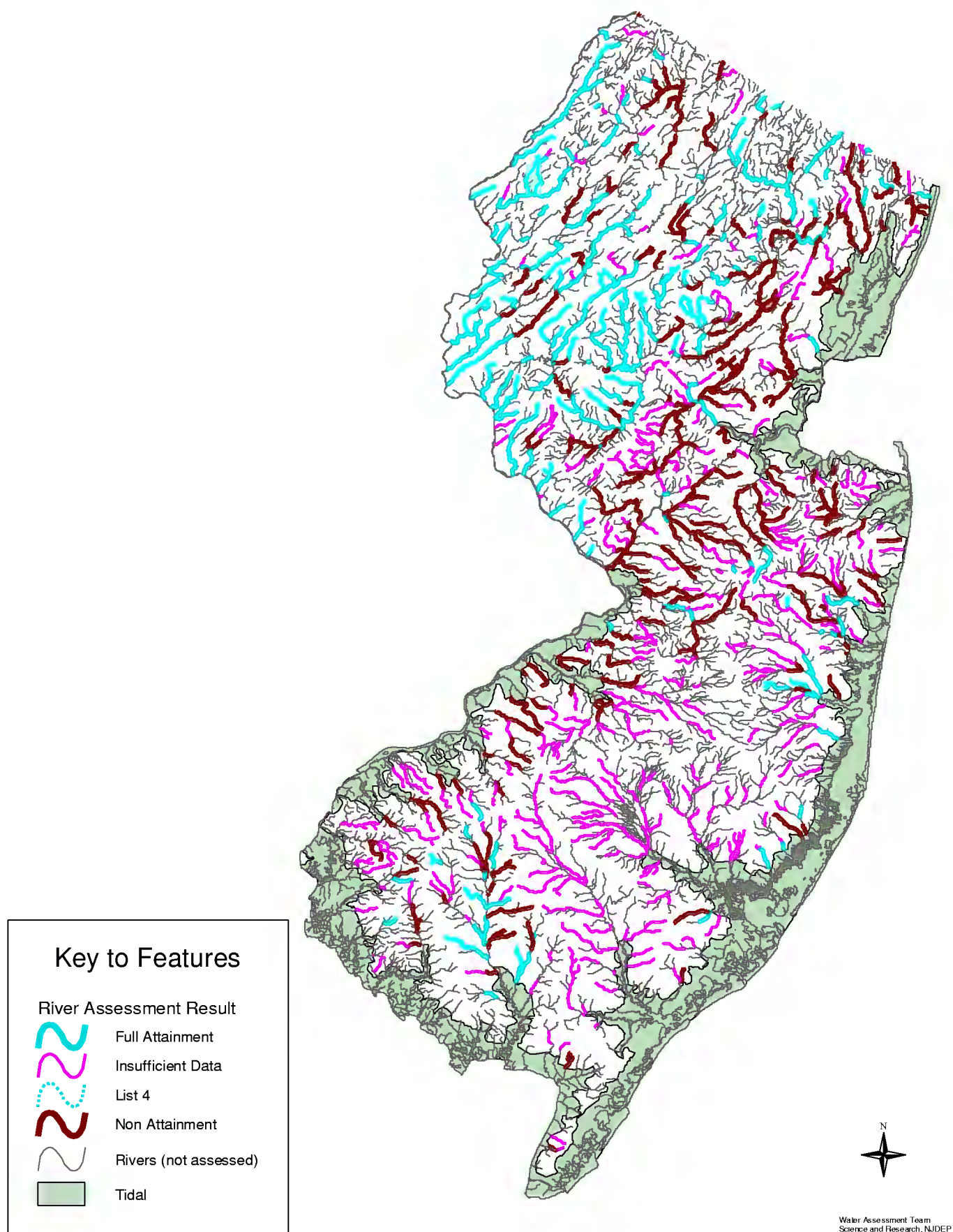


Figure 3.1a-2. Aquatic Life Assessment Status for River Segments. Includes monitored and estimated rivers.



Section 3.1b Rivers and Streams Recreational Designated Use Assessment

All waters in New Jersey are designated for primary contact recreation (i.e., swimming) and secondary contact recreation (e.g., wading, boating). In order to protect human health, fecal coliform bacteria criteria were established in New Jersey Surface Water Quality Standards (SWQS). Fecal coliform bacteria levels in water provide an indication of pollution from human or animal fecal material, which may contain organisms that are harmful to human health.

Some of New Jersey's rivers and streams, particularly those in the Pinelands, are used for swimming and secondary contact recreational activities, such as canoeing. Other rivers are not accessible or safe for these activities (e.g., steep banks, rapids, and private property). This assessment considers sanitary quality of rivers, and does not consider recreational beach amenities or access to the stream.

Rivers and Streams Recreational Designated Use Assessment

Approximately 2,063 miles of rivers represented by 271 monitoring stations were assessed for recreational designated use attainment. Only 22% of the assessed sites were fully attaining and 78% did not meet the standards for recreational activity when excluding Sub-list 3 sites with insufficient data. The median fecal coliform geometric mean for all of the sites was 399 MPN/100 ml. Two sites on the Whippany River were listed on Sub-list 4 for a completed TMDL although standards continue to be exceeded at the sites.

The assessment results for fecal coliform show that concentrations exceeded standards throughout the state. Impaired sites listed may be found in urban, agricultural, and forested areas. The only region in the state without widespread impairments was the Pinelands. However, even these waterways had impairments such as along Hospitality Branch, Hammonton Creek, and the lower stretch of the Great Egg Harbor River.

Results are summarized in Table 3.1b-1 below and provided for individual stations in Figure 3.1b-1 and Table II-9 and Table II-14 in the Appendix. Table 3.1b-2 summarizes the stations that meet the recreational designated use standards.

Table 3.1b-1: Fecal Coliform Attainment Status

FC Status	Number of Stations	Percent of Stations	Number of Assessed River Miles		Percent of Assessed River Miles	
			Monitor	Estimate	Monitor	Estimate
Sub-List 1	55	20%	297	132	18%	30%
Sub-List 3	17	6%	55	1	3%	>1%
Sub-List 4	2	1%	6	0	>1%	0%
Sub-List 5	197	73%	1257	315	79%	70%
Totals	271	100%	1615	448	100%	100%

Table 3.1b-2: Fecal Coliform Stations Meeting SWQS

WMA	Station Number	Station Name	Number of Samples	Percent Exceedance	Geomean
06	01378780	Primrose Brook at Morristown National Park	15	6.7%	103.1
06	01380500	Rockaway River at Boonton	13	7.7%	121.6
03	01381050	Crooked Brook near Towaco	5	0.0%	44.1
03	01382410	Macopin River at Echo Lake	8	0.0%	12.0
03	01383505	Wanaque River near Awosting	4	0.0%	22.1
03	01387010	Wanaque River at Highland Av at Wanaque	5	0.0%	82.8
04	01388500	Pompton River at Pompton Plains	8	0.0%	126.8
17	01400585	Rocky Brook at Perrineville	10	0.0%	71.8
09	01405302	Matchaponix Brook at Spotswood	14	7.1%	45.1
12	01407720	Jumping Brook at Green Grove	5	0.0%	183.8
13	01408480	Shannoc Brook Trib at Colliers Mills	5	0.0%	38.4
13	01408830	Cedar Brook at Cedar Crest	13	0.0%	14.8
13	01409050	NB Forked River near Forked River	6	0.0%	33.0
14	01409387	Mullica River at Outlet of Atsion Lake at Atsion	10	0.0%	18.4
14	01409408	Pump Branch near Waterford Works	5	0.0%	13.2
14	0140940950	Blue Anchor Brook at Elm	15	0.0%	14.0
14	0140941070	Great Swamp Branch below Rt 206 near Hammonton	5	0.0%	38.3
14	01409500	Batsto River at Batsto	10	0.0%	17.9
14	01409815	WB Wading River at Maxwell	10	0.0%	35.5
14	01409960	Papoose Branch near Sim Place	5	0.0%	22.2
14	01410000	Oswego River at Harrisville	4	0.0%	10.0
14	01410150	EB Bass River near New Gretna	10	0.0%	22.5
14	01410455	SB Absecon Creek near Pomona	5	0.0%	26.0
15	01410784	Great Egg Harbor River near Sicklerville	13	7.7%	18.9
5	01411000	Great Egg Harbor River at Folsom	14	0.0%	15.1
15	01411050	Hospitality Branch near Cecil	5	0.0%	57.9
15	01411196	Babcock Creek near Mays Landing	10	0.0%	104.1
15	01411220	South River near Belcoville	5	0.0%	114.6
15	01411241	Gibson Creek at Rt 50 near Corbin City	5	0.0%	27.0
17	01411453	Still Run near Malaga	5	0.0%	67.2
17	01411955	Gravelly Run at Laurel Lake	14	0.0%	40.0
17	01412200	Pages Run at Newport	4	0.0%	48.4
17	01413065	Canton Drain at Maskell Mill	5	0.0%	10.0
01	01439830	Big Flat Brook at Tuttlés Corner	5	0.0%	20.9
01	01442760	Dunnfield Creek at Dunnfield	15	0.0%	9.9
01	01445000	Pequest River at Huntsville	4	0.0%	186.9
11	01463620	Assunpink Creek near Clarksville	14	7.1%	57.0
20	01464420	Crosswicks Creek near New Egypt	10	10.0%	132.1
20	01464440	Lahaway Creek at Rt 537 at Mercerville	5	0.0%	17.4
19	01465850	SB Rancocas Creek at Vincentown	14	7.1%	30.1
19	01465893	Little Creek at Chairville	10	10.0%	91.8
19	01466500	McDonalds Branch in Lebanon State Forest	10	0.0%	15.5
19	01467000	NB Rancocas Creek at Pemberton	13	7.7%	8.4
18	01467325	SB Big Timber Creek at Turnersville	5	0.0%	51.2

A total of 97 sites were listed on the 1998 303(d) List for fecal coliform exceedances. Of these sites, only 9 sites were de-listed after assessments of more current data showed conditions were now meeting fecal coliform standards (Table 3.1b-4). The remaining 88 sites were either carried over to Sub-list 5 on the 2002 Integrated List (Table 3.1b-3) or re-evaluated and determined as still not meeting the SWQS for fecal coliform.

Table 3.1b-3: Fecal Coliform Stations Carried Over From 1998 303(d) List

WMA	Station Number	Station Name
02	01367700	Wallkill River at Franklin
05	01378500	Hackensack River at New Milford
03	01387000	Wanaque River at Wanaque
06	01389130	Passaic River at Sigac
04	01391200	Saddle River At Fairlawn
08	01399200	Lamington River near Ironia
10	01401440	Millstone River at Kingston
10	01402540	Millstone River at Weston
09	01405400	Manalapan Brook near Spotswood
12	01407750	Shark River near Neptune City
12	01407760	Jumping Brook near Neptune City
01	01455500	Musconetcong River at Lake Hopatcong
01	01455801	Musconetcong River at Lockwood
11	01461300	Wickecheoke Creek at Stockton
20	01465970	NB Rancocas Creek at Browns Mills
18	01467120	Cooper River at Lindenwold
18	01467140	Cooper River at Lawnside
14		Mullica River at Green Bank
17		Salem River at Courses Landing
20		SB Rancocas Creek at Hainesport

Table 3.1b-4: Fecal Coliform Stations Delisted From 1998 303(d) List

WMA	Station Number	Station Name
06	01380500	Rockaway River at Boonton
04	01388500	Pompton River at Pompton Plains (Packnack Lake)
09	01405302	Matchaponix Brook at Spotswood
14	01409387	Mullica River at Outlet of Atsion Lake at Atsion
14	01409500	Batsto River at Batsto
15	01410784	Great Egg Harbor River near Sicklerville
15	01411000	Great Egg Harbor River at Folsom
01	0144000	Flat Brook at Flatbrookville
20	01467000	NB Rancocas Creek at Pemberton

It is noteworthy to mention that New Jersey proactively adopted EPA's guidance as the basis for New Jersey's SWQS criteria. Adoption of this guidance into state's SWQS was encouraged but not mandated. Some states may report comparatively higher attainment of recreational designated uses than New Jersey, however, this may be a function of less stringent SWQS criteria in that state. EPA is moving toward requiring states to adopt EPA criteria for e.coli and/or enterococcus by 2003.

As mentioned in the 2000 305(b) Report, trends between 1986 and 1995 were assessed by USGS (USGS, 1999). Statistically significant trends were identified at 12 of 75 New Jersey stations. Of these, 5 locations had trends of environmental importance (i.e., change in concentration greater than 100 FC/100 ml per year). These trends are summarized on Table 3.1b-5 below.

Table 3.1b-5: Stations with Significant Trends in Fecal Coliform (1986-95)

Station #	Station Name	FC Geomean (MPN/100 ml) ¹	FC % >400 MPN/ 100 ml ¹	Trend (FC/ 100 ml per year) ²
01393450	Elizabeth River at Ursino Lake	2508.8	85.7%	- 4700
01464000	Assunpink at Trenton	2002.4	88.9%	+ 870
01467069	NB Pennsauken Creek at Cherry Hill	2261.7	85.7%	- 400
01464515	Doctors Creek at Allentown	341.2	35.7%	- 260
01398620	NB Raritan River near Chester	106.9	14.3%	- 210
Notes:				
1. 1996-2000 data				
2. 1986-95 trends from USGS, 1999 (-) indicates declining concentrations and improving water quality; (+) indicates increasing concentrations and worsening water quality.				

Recreational Designated Use Source and Cause Assessment

It is important to consider the source of fecal coliform pollution since specific sources of fecal coliform pollution have not yet been identified. With compliance of permit limits for fecal coliform at wastewater treatment plants high and incidence of treatment plant failures low, it is suspected that most fecal coliform pollution in freshwater rivers and streams is derived from animal wastes.

Fecal coliform pollution is suspected to occur primarily from domestic pets, livestock and wild animal wastes which are transported to rivers and streams by municipal and industrial stormwater, overland runoff, and by direct contact with water. Although Canada Geese population data are not readily available, significant populations of these birds occur in and around many New Jersey waterways. In developed areas, domestic pet and bird wastes (e.g., pigeons) contribute to fecal coliform in stormwater. In agricultural areas, animal manure piles and access of livestock to streams can contribute to fecal coliform pollution.

In localized instances, fecal coliform pollution may be attributed to human wastes from combined sewer overflows, failing sanitary sewer infrastructure, failing or inappropriately located septic systems, and occasionally from wastewater treatment plant failures. Compliance with permit limits for fecal coliform at New Jersey wastewater treatment plants is very high. (WCE, *Pers. Comm.*, 6/2000).

Combined sewer overflows (CSOs) are pipes that discharge combined sanitary and stormwater under wet weather conditions. In New Jersey, there are approximately 300 CSO discharge points located primarily in older cities in northeastern New Jersey and in Trenton and Camden. Most CSOs discharge to tidal waters, except those located in Patterson. As first shown in the 2000 305(b) Report, levels of fecal coliform are higher downstream of the Patterson CSOs (i.e., at the Passaic River at Elmwood Park - station # 01389880) than upstream (i.e., Passaic River at Little

Falls – station # 01389500). This assessment was conducted to support the CSO Program Memorandum of Agreement with EPA Region II.

Improving Stream Sanitary Quality

The following programs and activities are intended to improve the sanitary quality of New Jersey streams:

Evaluate Human Health Risk: Currently, most fecal coliform monitoring occurs at locations that are sampled as part of the ASMN. Based on conversations with field sampling personnel, these locations are not widely used for swimming or boating in rivers. Through the Watershed Management process, the Department plans to identify river locations used for swimming and boating and explore cooperative monitoring at these locations. Fecal coliform data collected at locations used for swimming and boating will provide more relevant information regarding potential exposure to pathogens. Since exposure to human waste poses a greater health risk than exposure to animal waste, it may also be important to conduct additional testing to evaluate human and animal sources of pathogens, for example using bacteriophage assays.

TMDL Development: Areas that exhibit contravention of SWQS, with respect to fecal coliform, will be evaluated as TMDLs are planned and developed. The factors that contribute to these contraventions will be identified and managed according to the schedule developed in the TMDL Memorandum of Agreement (see 2 year TMDL Schedule and Priority Listing in Appendix 1C and 1B).

Source Identification: As TMDLs are developed, sources of fecal pollution will be identified. Sanitary surveys will be conducted to identify failing or inappropriately placed septic systems, cross-connections and interconnections between sanitary and storm sewer infrastructure, livestock waste, pets and wildlife, etc. Sanitary surveys were successfully used in the Whippany River watershed to identify an area affected by failing septic systems. Sanitary surveys have been a significant component of source identification in New Jersey's coastal waters to protect shellfish beds and bathing beaches.

Source Management: As Municipal Stormwater Planning and Permitting programs are implemented, connections between sanitary and storm sewers will be corrected. NJDEP is working with the New Jersey Department of Agriculture to identify and map confined animal feeding operations to ensure proper management of these facilities. Through Watershed Management and TMDL development, geese management strategies, pet waste ordinances, and storm sewer maintenance, septic system maintenance, siting and as appropriate, removal will be explored and implemented on a watershed specific basis. The Environmental Infrastructure Trust's State Revolving Fund and Nonpoint Source Grants can provide low interest loans and grants to address sanitary water quality problems.

FIGURE 3.1b-1. Recreational Designated Use Assessment Status of Stations. Includes delisted sites and sites carried over from the 1998 303(d) List.

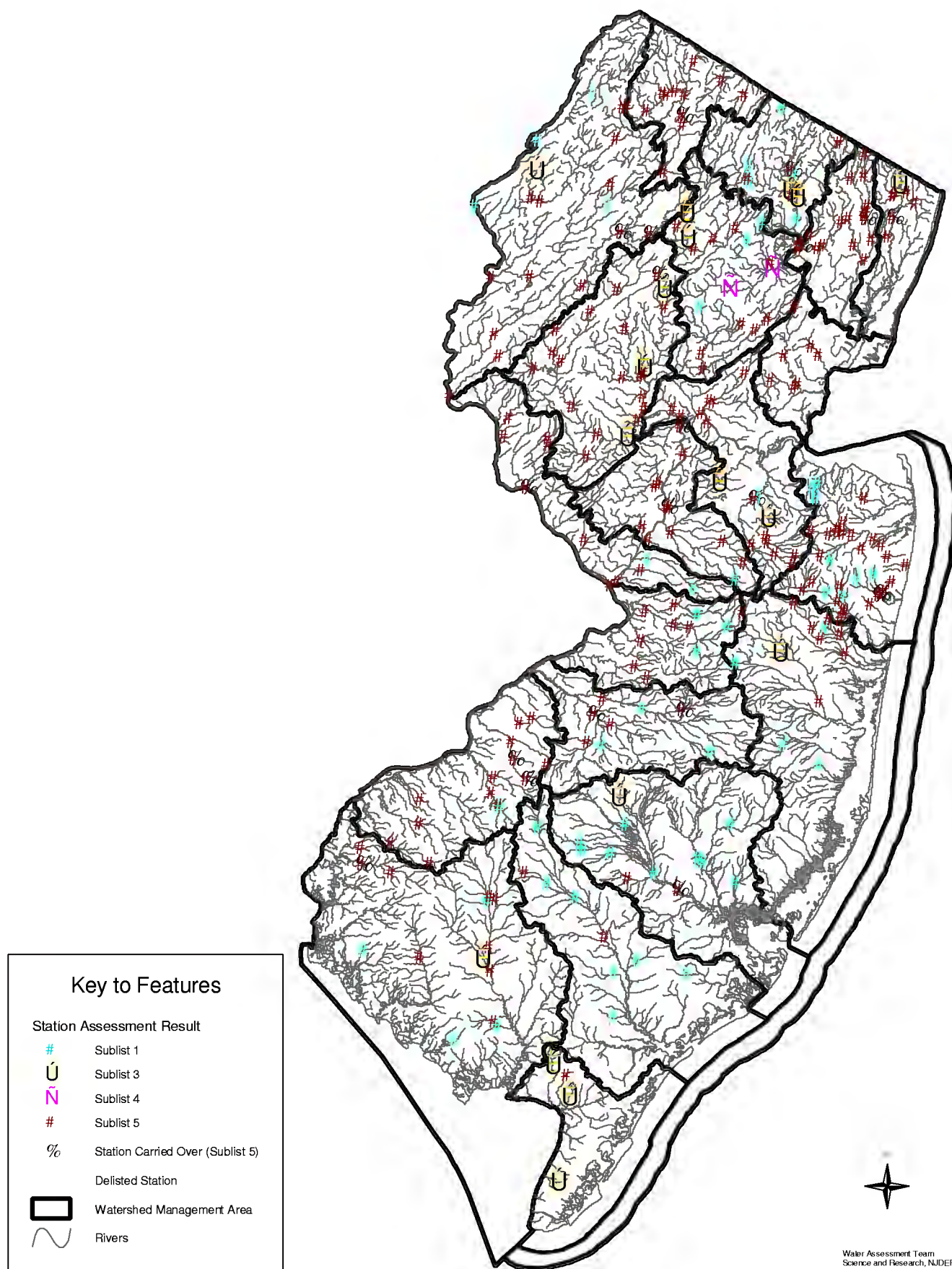
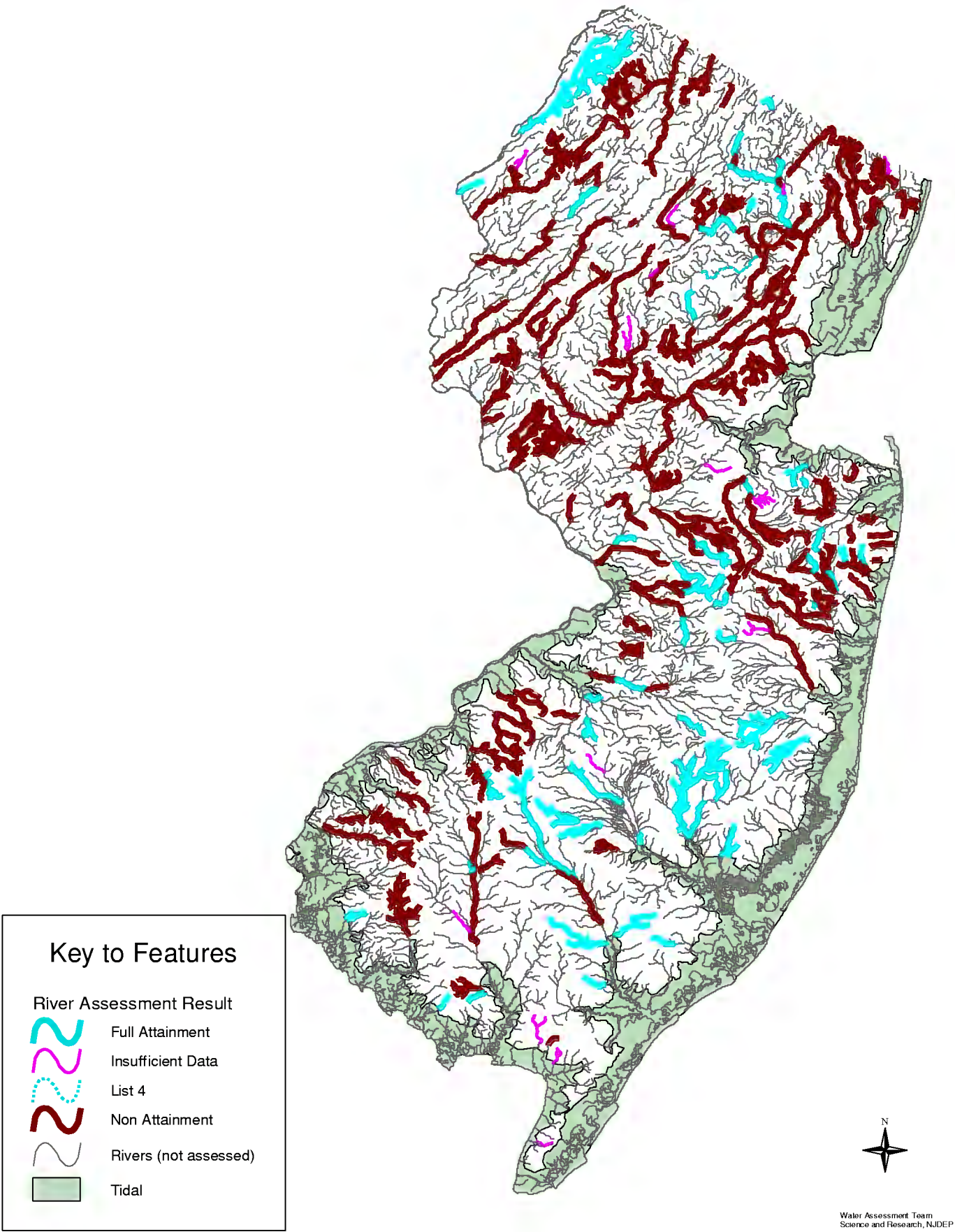


FIGURE 3.1b-2. Recreational Designated Use Assessment Status of River Segments. Includes monitored and estimated rivers.



Section 3.1c Rivers and Streams Drinking Water Designated Use Assessment

All surface waters in NJ are designated as drinking water supplies under the NJ Surface Water Quality Standards (SWQS). Currently, there are 54 potable surface water supply intakes in the state, mostly clustered in northern NJ with many of them located on reservoirs. (See Figure 3.4-1). These waters presently being used for public drinking water supplies are only a small portion of the total surface water in the state, however, all waters are evaluated for their potential to be drinking water supplies. This assessment provides an overview of finished drinking water quality, water quality in current source waters, and water quality in surface waters that are designated as potable supplies but are not currently used for that purpose.

Source Water Assessment Program (SWAP) Under SWAP, New Jersey will delineate areas which have the potential to influence waters (surface and ground) serving as public drinking water sources (NJDEP, 1998). Within these areas, the state will identify the origins of a wide range of contaminants and identify the vulnerability of the water systems to these contaminants. The SWAP will delineate waters requiring only conventional treatment (coagulation, sedimentation and filtration,) and those requiring additional treatment methods. The program will also delineate sources at risk in the future.

Rivers and Streams Drinking Water Designated Use Assessment Results

Drinking Water Quality:

Drinking water quality provided by water purveyors provides excellent information regarding the quality of finished drinking waters, which are regulated for many constituents under Federal and State Safe Drinking Water Acts. In addition, New Jersey's Safe Drinking Water Act provides additional protection through the regulation of 28 constituents that are either not regulated under the Federal Safe Drinking Water Act or are regulated at lower concentrations in New Jersey.

Finished water from community water systems in this state is of high quality. Environmental indicators developed and reported as part of NEPPS have shown that since 1995, the number of community water systems in New Jersey that have met all safety standards has remained consistently high - between 97% and 99% for microbiological standards and between 87% and 93% for chemical standards. (NJDEP, in press)

Between 1993 and 1995, less than 1% of 625 community water systems reported samples with nitrate concentrations above 10 ppm. However, 10-12% of all public water systems reported nitrate concentrations equal to or above 5 ppm indicating vulnerability to nitrate contamination. (NJDEP, 1998). Note that these results are for both surface and ground water sources.

Water Quality in Current Source Waters

Nitrate was chosen as an indicator of Drinking Water Designated Use Attainment because it is difficult and expensive to remove from potable supplies. To protect against adverse health effects, nitrate is regulated at 10 ppm in the Federal and State Safe Drinking Water Act regulations and New Jersey Surface Water Quality Standards (SWQS). The SWQS in the Pinelands was set at 2 ppm to protect the unique ecology of this area. In addition, information regarding additional treatment to remove chemicals in surface water supplies will be used.

Of the 54 surface water potable intakes in the state, only 13 had monitoring stations located nearby (see Figure 3.1c-3). Average concentrations were significantly below the SWQS and drinking water MCL for nitrate. None of the stations had any exceedances of the criteria, and only one station, Passaic River at Little Falls, had any nitrate concentration even close to the criteria. It seems the only significant concern is the increasing trend for nitrate at several sites that may become an issue to the purveyors in the future. Results are summarized for the 14 monitoring stations located near potable supplies in Table 3.1c-1 below.

Table 3.1c-1: Nitrate Status and Trends in Rivers Near 13 Public Surface Water Intakes

Public SW Intake	Site Number	Site Name	Average NO ₃	Maximum NO ₃	NO ₃ Trends
Franklin PWW	01367715	Wallkill River at Scott Rd. at Franklin	0.35	0.54	NSIG
NJ American Water Co. (WC)	01379530	Canoe Brook near Summit	0.34	0.55	
Passaic Valley WC	01388500	Pompton River at Pompton Plains	0.71	1.50	NSIG
NJ American WC	01389500	Passaic River at Little Falls	2.20	7.90	0.27
United Water	01390500	Saddle River at Ridgewood	1.40	1.80	0.16
United Water (same site as above)	01390510	Saddle River at Ridgewood Ave. at Ridgewood	1.33	1.60	0.16
Orange WD	01393960	WB Rahway River at Northfield Ave. at West Orange	0.82	1.20	
Rahway WD	01395000	Rahway River at Rahway	1.02	2.10	NSIG
Elizabethtown WC	01400500	Raritan River at Manville	1.27	2.30	NSIG
Elizabethtown WC	01402540	Millstone River at Weston	NA	NA	
Elizabethtown WC	01403300	Raritan River at Queens Bridge	2.00	3.85	NSIG
United Water	01405195	Matchaponix Brook at Englishtown	0.75	0.99	NSIG
NJ American WC	01407750	Shark River near Neptune	NA	NA	
NJ American WC	01407760	Jumping Brook near Neptune	NA	NA	

Through the SWAP program, additional nitrate data collected by water purveyors is expected to become available. These data will be used to better characterize nitrate status and trends at intakes and in finished drinking water quality.

Water quality in surface waters that may be used as drinking water sources

Overall, nitrate levels throughout the state are well below the criteria for drinking water designated uses. The average concentrations of sites sampled for nitrate throughout the state is 1.02 mg/l. Several sites that fully attained standards did have elevated nitrate concentrations as seen in Table 3.1c-4. Only 2 sites exceeded the standards for drinking water designated use, Dead River near Millington and Great Swamp Branch below Rt. 206 near Hammonton (see Table 3.1c-3). While Dead River has several dischargers located along its banks including a wastewater treatment plant, Great Swamp Branch has no permitted dischargers and may be heavily impacted by nonpoint sources.

All 4 of the sites listed on the 1998 303(d) List were de-listed (see Table 3.1c-5). More recent data show that conditions have improved along the Great Egg Harbor River and Hammonton Creek. Likely explanations are the removal of a wastewater treatment plant on the Great Egg Harbor River when sewer systems were regionalized, and upgrades to the wastewater treatment plant on Hammonton Creek.

Results of the nitrate assessment are summarized below in Table 3.1c-2. Results for individual stations are depicted in Figure 3.1c-1 and in Table II-7 and Table II-13 in the Appendix

Table 3.1c-2: Nitrate Status

Nitrate Status	Number of Stations	Percent of Stations	Number of Assessed River Miles		Percent of Assessed River Miles	
			Monitor	Estimate	Monitor	Estimate
Sub-List 1	256	94%	1555	453	95%	97%
Sub-List 3	15	5%	71	0	4%	0%
Sub-List 4	0	0%	0	0	0	0%
Sub-List 5	2	1%	17	13	1%	3%
Totals	273	100%	1643	466	100%	100%

Table 3.1c-3: Nitrate Sites Exceeding SWQS

WMA	Station Number	Station Name	Number of Samples	Percent Exceed	Median Nitrate
06	01379200	Dead River near Millington	16	12.5%	4.94
14	0140941070	Great Swamp Branch below Rt. 206 near Hammonton	23	56.5%	2.15

Table 3.1c-4: Nitrate Sites With Elevated Samples or Median Concentrations

WMA	Station Number	Station Name	Number of Samples	Maximum Nitrate	Median Nitrate
02	01367770	Wallkill River near Sussex	23	9.00	1.44
05	01377499	Musquapsink Brook at River Vale	8	7.60	2.15
04	01382000	Passaic River at Two Bridges	58	6.60	2.10
04	01389500	Passaic River at Little Falls	26	7.90	2.20
04	01391490	Saddle River at Rochelle Park	4	5.30	4.25
04	01391500	Saddle River at Lodi	23	9.10	4.62
10	01400640	Millstone River near Grovers Mills	8	6.00	4.45
09	01405302	Matchaponix Brook at Spotswood	15	9.76	4.49
14	01409402	Hays Mill Creek near Chesilhurst (Pinelands)	21	1.60	1.07
14	01409416	Hammonton Creek at Westcoatville (Pinelands)	22	2.20	1.18
15	01411035	Hospitality Branch at Blue Bell Road near Cecil (Pinelands)	12	1.80	1.21
16	01411441	Savages Run in Belleplain State Forest (Pinelands)	4	1.60	1.40
17	01412800	Cohansey River at Seeley	23	5.96	4.65
20	01464000	Assunpink Creek at Trenton	10	5.70	2.90
20	01464020	Assunpink Creek at Peace Street at Trenton	12	8.40	4.29
18	01467081	SB Pennsauken Creek at Cherry Hill	15	13.02	2.59

18	01477440	Oldmans Creek at Jessups Mill	4	5.25	4.45
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Table 3.1c-5: Nitrate Sites Delisted From 1998 303(d) List

WMA	Station Number	Station Name
14	01409416	Hammonton Creek at Westcoatville
15	01410784	Great Egg Harbor River near Sicklerville
15	01411000	Great Egg Harbor River at Folsom
15	01411110	Great Egg Harbor River at Weymouth

In a USGS trend study of nitrated concentrations between 1986 and 1995 statistically significant declining trends in nitrate concentration were found at 11 stations indicating improving water quality at these locations. No statistically significant trends were found at 44 locations, indicating stable water quality, and statistically significant increasing trends in nitrate concentration were found at 24 stations indicating worsening water quality at these locations. However, the rate of change in nitrate concentrations was small, ranging from 0.01 ppm NO₃ per year to 0.35 ppm NO₃ per year. The trends assessment conducted by USGS indicates that drinking water designated uses, as indicated by nitrate in streams, will continue to be met through 2004.

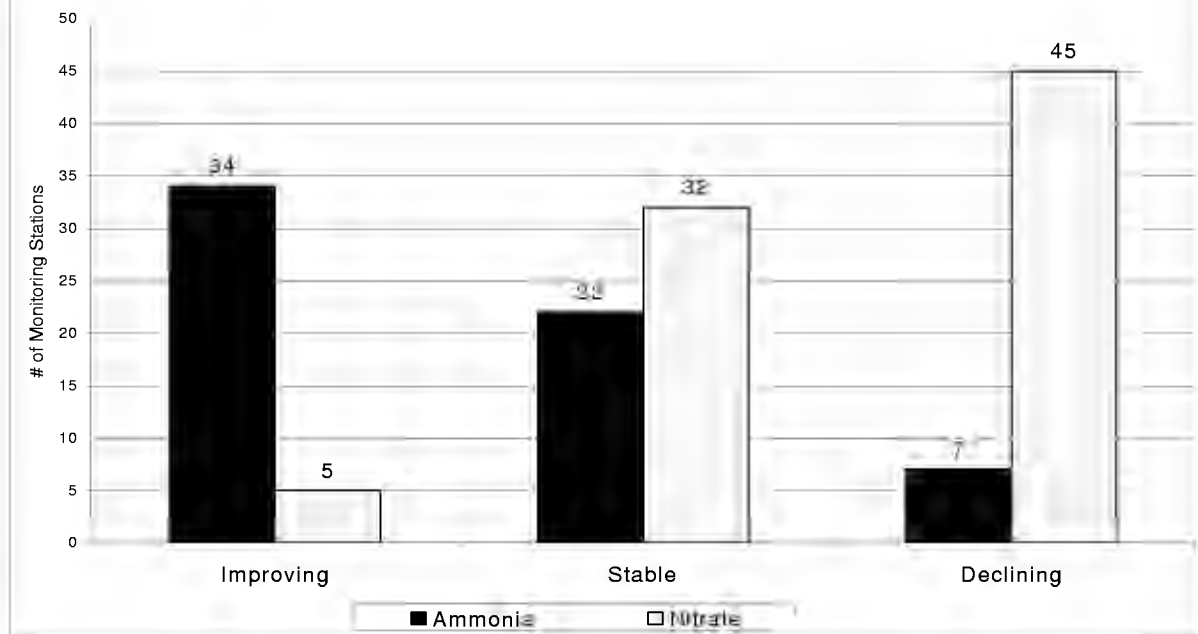
Drinking Water Designated Use Source and Cause Assessment

A qualitative assessment of nitrate sources is provided below. Both point and nonpoint sources contribute to rising levels of nitrate. Point sources contribute nitrate through secondary treated effluent while nonpoint sources primarily contribute through the application of fertilizers to lawns and farms, through animal waste, and atmospheric deposition.

Point Source Assessment: Upgrades of wastewater treatment plants to secondary treatment resulted in statewide compliance with unionized ammonia, which is toxic to aquatic life and elevated in primary treated sewage. However, secondary treated sewage contains elevated nitrate, as a result of converting the toxic unionized ammonia to nitrate. A comparison of trends in total ammonia and nitrate between 1975 and 1994 using data from the Department's ambient monitoring network illustrates the transition to secondary treatment.

During this time period, concentrations of unionized ammonia decreased at 37 stations (54%), while concentrations of nitrate increased at 46 stations (55%). See Figure 3.1c-2.

Figure 3.1c-2: In-stream Trends in Ammonia and Nitrate (1975-1994)



Nonpoint Source Assessment: Nitrates have been applied to land surfaces as fertilizers for agricultural purposes and lawns. Low concentrations of nitrate also arise from forests. Nitrates that are not used by plants (crops or lawns) travel through the soil to surficial aquifers, deeper ground water and streams. In the sandy NJ coastal plain, these fate and transport processes are well understood and can be modeled. Predictive modeling provides a useful tool to estimating future surface and ground water quality under various management scenarios.

Strategies to Protect Potable Supplies: Nitrate

Nitrate concentrations are of particular concern in the Passaic River Basin due to intensive water uses, particularly under record low stream flow stream conditions that were experienced in recent years. In October 1999 the NJDEP's Division of Water Quality and Water Supply Administration retained a consultant to initiate a demonstration project concerning the potential to reduce the amount of nitrates discharged from wastewater treatment plants into the Passaic River. The project evaluated a technique known as On-Off Aeration. By periodically turning their aeration systems on and off the facilities were able to show significant reductions in the amount of nitrates discharged as well as reductions in energy usage.

The status and trends in nitrate concentrations will continue to be examined in detail in the Safe Drinking Water Program. In addition, sources of nitrate that may affect potable supplies will be identified and targeted for management in the Source Water Assessment Program.

FIGURE 3.1c-1. Drinking Water Assessment Status by Stations. Includes sites delisted and carried over from the 1998 303(d) List.

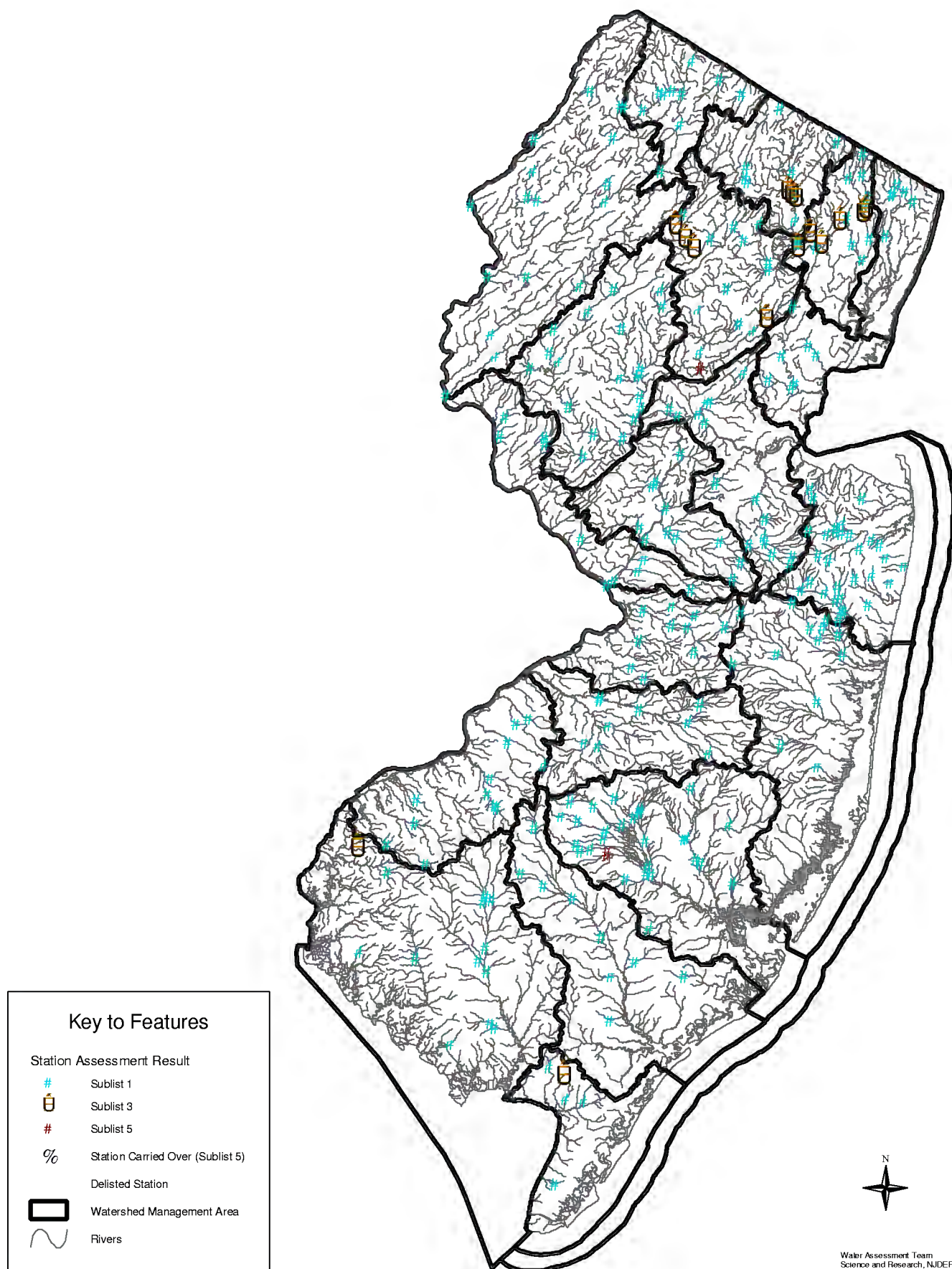


FIGURE 3.1c-2. Drinking Water Assessment Status for River Segments. Includes monitored and estimated rivers.

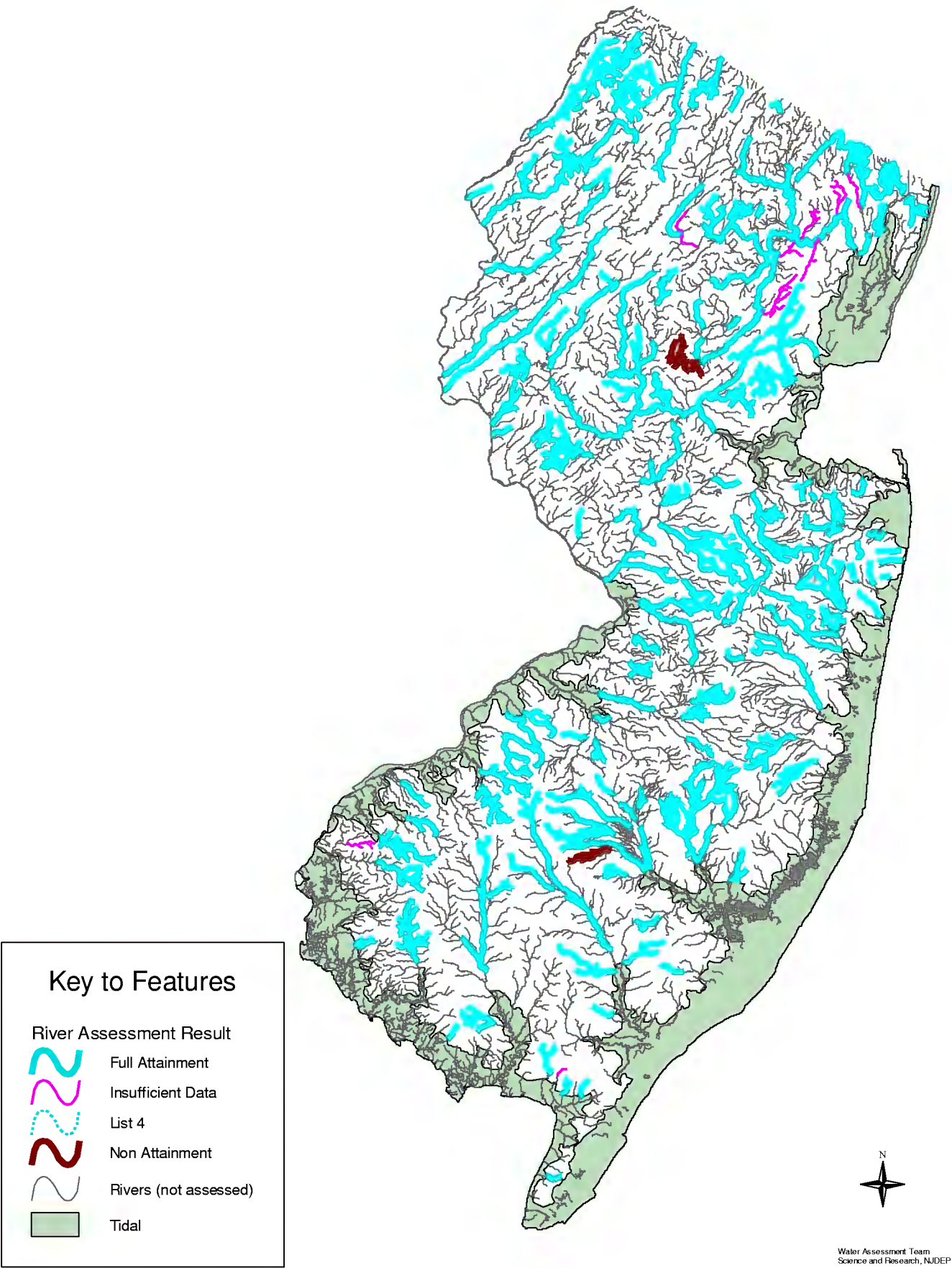
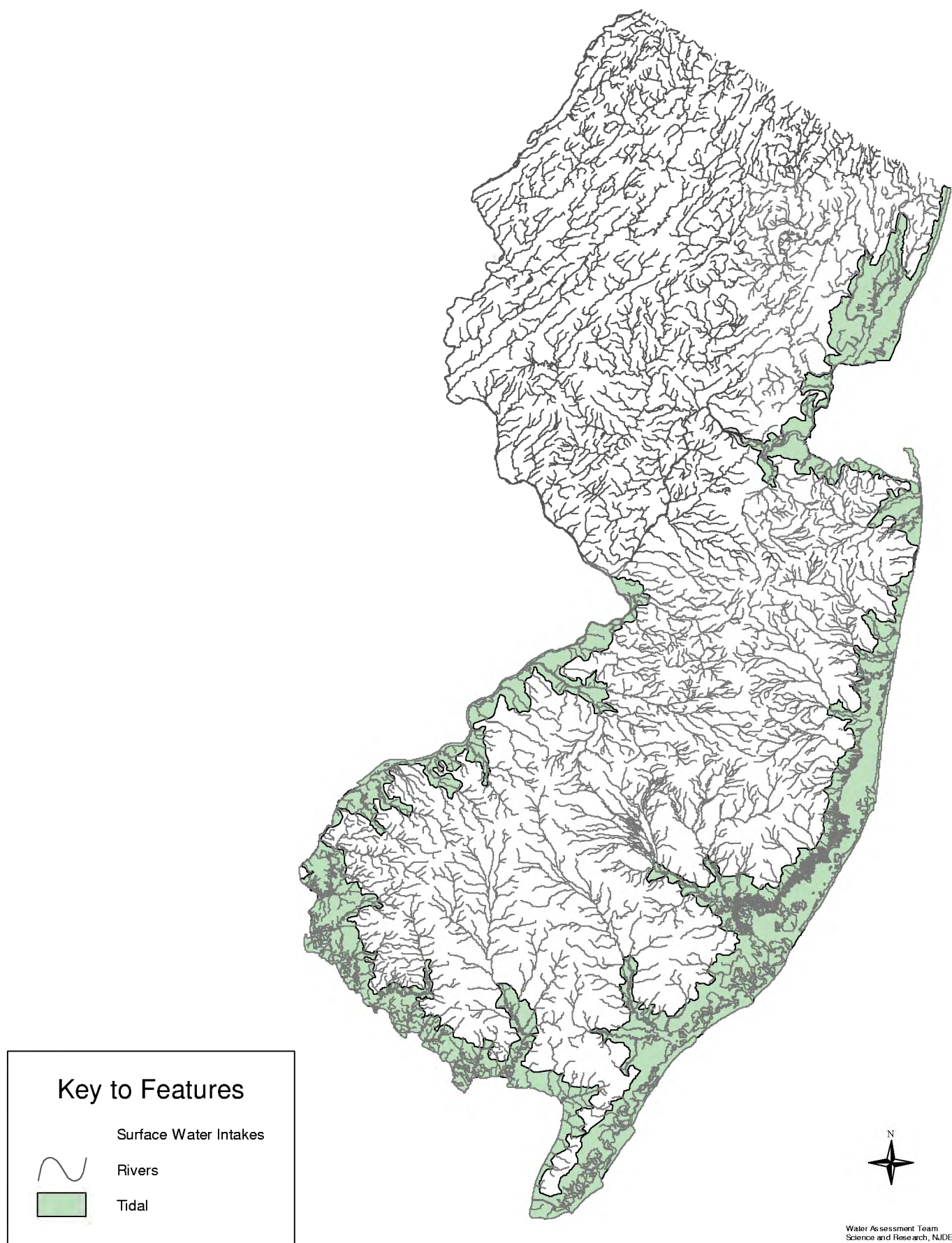


FIGURE 3.1c-3. Potable Surface Water Supply Intakes. Light shaded symbols represent sites with sampling sites nearby and are described in Table 3.1c1.



Section 3.1d Rivers and Streams Agricultural Designated Use Assessment

Rivers and Streams Agricultural Designated Use Assessment Results

At the present time, New Jersey's SWQS have not been established specifically for agricultural designated use. Although designated uses such as human health, ecosystem protection, drinking water supply, and fishing have standards established that are applicable to agriculture, the water-quality standards suitable for agriculture are normally higher, precluding the need for criteria specific to agricultural uses. To evaluate water supplies that support agriculture in New Jersey, total dissolved solids (TDS) and salinity were selected as the determining parameters. For this report, only TDS was used as the standard since salinity data was not available for the waterways in this assessment. Currently, the SWQS for total dissolved solids is 500mg/l, however, criteria for TDS applied to agricultural use is 2,000 mg/l. The criteria of 500 mg/l was established for aquatic life protection and secondary drinking water standards.

Assessment results for TDS indicate three sites exceeding the criteria, however, none of these sites had maximum values exceeding the criteria applicable to agricultural designated use. There are no confirmed waterways that do not support agricultural designated uses. A summary of agricultural designated use assessment results are summarized in Table 3.1d-1 below.

Table 3.1d-1. Agricultural Designated Use Status

TDS Status for Agricultural Use	Number of Stations	Percent of Stations	Number of Assessed River Miles		Percent of Assessed River Miles	
			Monitor	Estimate	Monitor	Estimate
Sub-List 1	200	84%	1275	374	87%	83%
Sub-List 3	37	16%	196	75	13%	17%
Sub-List 4	0	0%	0	0	0%	0%
Sub-List 5	0	0%	0	0	0%	0%
Totals	237	100%	1471	449	100%	100%

Section 3.1e Rivers and Streams Industrial Designated Use Assessment

The industrial designated use assessment evaluates attainment of the Surface Water Quality Standards (SWQS) for the protection of waters used for processing or cooling. The methodology incorporates pH and total suspended solids (TSS) as the determining parameters if a waterbody is suitable for industrial use. Because these standards are protective of the most sensitive use, protecting aquatic life, the SWQS should ensure protection of the waterbody for industrial water supply. However, water quality needs of industry vary significantly and exceeding the standards may not necessarily indicate the source waters are unsuitable for the industries in that particular location.

Rivers and Streams Industrial Designated Use Assessment Results

A summary of pH and TSS assessments are shown in Tables 3.1e-1 and 3.1e-2 respectively. Of the impaired pH and TSS sites, only three sites did not meet the criteria for both parameters, Nechanic River at Reaville, Millstone River near Manalapan, and Stony Brook at Princeton. The results for these sites indicate these rivers are most susceptible to not meeting industrial designated uses since both parameters were exceeded. Although the assessment indicates 76 sites do not meet the criteria for pH or TSS, there are no areas in the state where a water supply is confirmed to be unsuitable for industrial use.

Table 3.1e-1. pH Status

pH Status	Number of Stations	Percent of Stations	Number of Assessed River Miles		Percent of Assessed River Miles	
			Monitor	Estimate	Monitor	Estimate
Sub-List 1	126	45%	897	367	76%	54%
Sub-List 3	89	31%	352	20	4%	32%
Sub-List 4	0	0%	0	0	0%	0%
Sub-List 5	69	24%	419	97	20%	14%
Totals	284	100%	1668	484	100%	100%

Table 3.1e-2. Total Suspended Solids Status

TSS Status	Number of Stations	Percent of Stations	Number of Assessed River Miles		Percent of Assessed River Miles	
			Monitor	Estimate	Monitor	Estimate
Sub-List 1	157	61%	1098	365	71%	79%
Sub-List 3	90	35%	364	52	23%	11%
Sub-List 4	0	0%	0	0	0%	0%
Sub-List 5	10	4%	95	48	6%	10%
Totals	257	100%	1557	465	100%	100%

Table 3.1e-2. Industrial Designated Use Status

	Number of Stations	Percent of Stations	Number of Assessed River Miles		Percent of Assessed River Miles	
			Monitor	Estimate	Monitor	Estimate
Sub-List 1	138	49%	909	366	55%	76%
Sub-List 3	70	24%	265	7	16%	1%
Sub-List 4	0	0%	0	0	0%	0%
Sub-List 5	76	27%	491	110	29%	23%
Totals	284	100%	1665	483	100%	100%

Maintaining and Improving Industrial Use Assessment

Clarify needed water quality: The use of pH and TSS assessments to determine the suitability of industrial source waters represents the Department's first attempt to assess industrial uses. As discussed previously, needs of industrial water users may vary significantly. In addition, ambient water monitoring networks are not designed to assess water quality at industrial intakes. Industrial users may have additional data regarding water quality and use attainment relevant to their intakes. Comments from industrial users are sought to improve this assessment.

FIGURE 3.1e-1. Industrial Designated Use Assessment Status of Stations. Assessment results based on pH and total suspended solids.

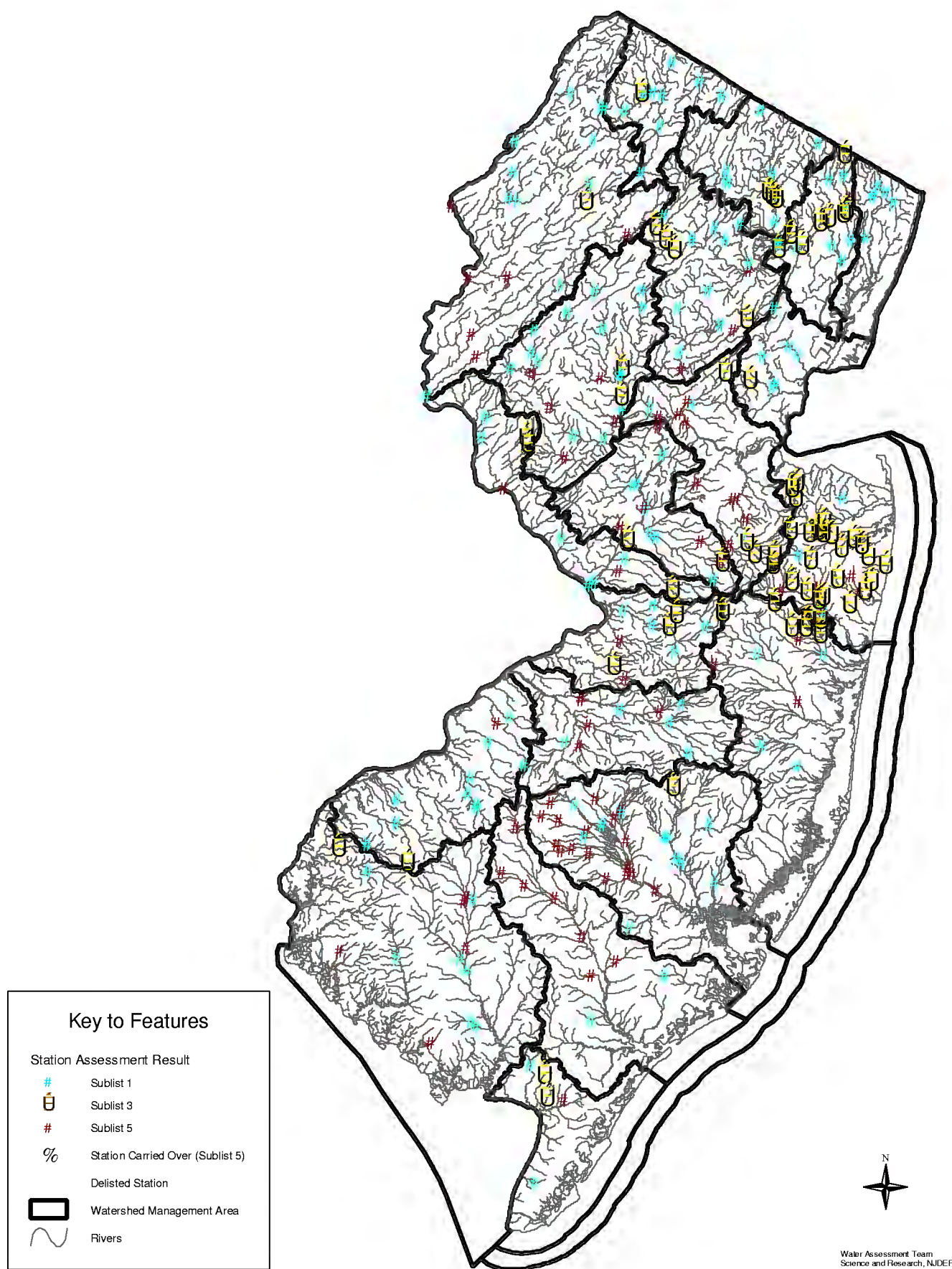
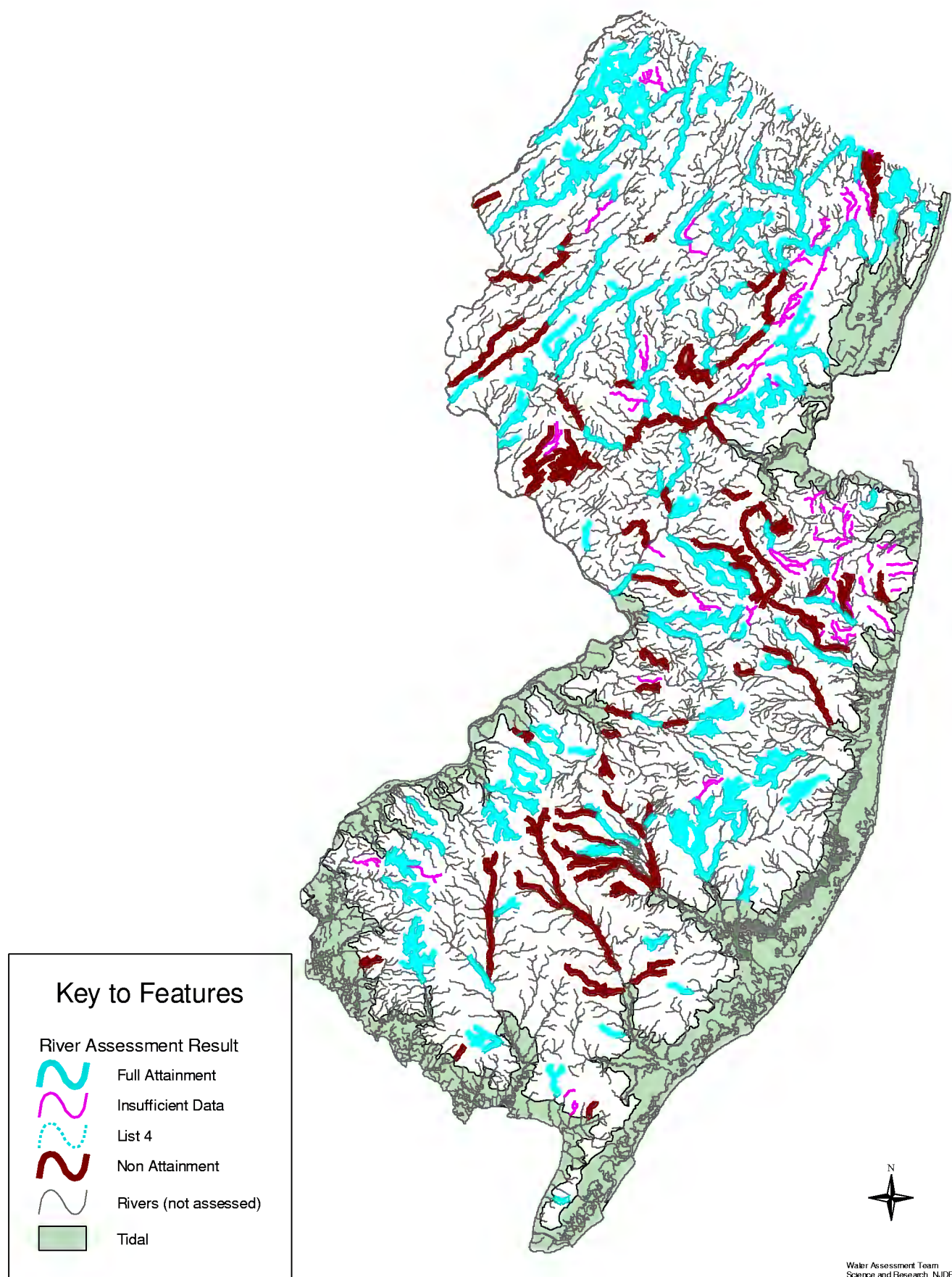


FIGURE 3.1e-2. Industrial Designated Use Assessment Status for River Segments. Includes monitored and estimated rivers.



Section 3.2 Lake Water Quality Assessment

Introduction

There are approximately 3,278 lakes, reservoirs and ponds over 2 acres size in New Jersey, but of these, only about 60 are natural. The remainder are constructed impoundments. There are 380 public lakes (24,000 acres) and 64 reservoirs. Thus far, 480 lake bathing beaches at 319 lakes have been identified; some lakes have multiple beaches. Uses of New Jersey's lakes, reservoirs and ponds vary and can include potable water supply, water storage, recreational boating, fishing and swimming. These waterbodies also provide habitat for a variety of aquatic life and wildlife.

This section focuses on aquatic life and recreational designated use attainments for lakes. This section also discusses eutrophication and its impact on the recreational quality of lakes. Fish consumption advisories for lakes are discussed in Chapter 4, section 4.1.

3.2a: Lakes Aquatic Life Designated Use Assessment

Method

The aquatic life use support assessment for lakes was based upon warm water fishery assessments supplied by the Department's Bureau of Freshwater Fisheries (BFF). Consistent with the previous Inventory Report, this assessment provides a direct indicator of aquatic life designated uses. Prior to the 2000 Inventory Report, aquatic life assessments for lakes were based on lake trophic status, an indirect indicator of aquatic life uses.

Prior to the 2000 Water Quality Inventory Report, eutrophic lakes were classified as "fully supporting aquatic life designated use, but threatened". However, aquatic plants, which grow in abundance in eutrophic lakes, provide food and habitat to the lake fish community. Many warm-water fish communities can thrive under moderate eutrophic conditions but may be impaired by severe eutrophication when dissolved oxygen levels are severely depressed and/or aquatic vegetation becomes excessively dense. Clean Lakes Program studies of trophic status identified recreational and aesthetic impairments, not impairments to fisheries. These trophic status assessments are included in Section 4.3c within this chapter.

Assessments of lake fisheries are performed based upon a priority list provided in the Division of Fish and Wildlife's Warmwater Fisheries Management Plan (NJDEP, 1998) which serves as the primary guidance for warmwater fisheries management for the Department. This 2002 New Jersey Water Quality Inventory Report, has expanded the use of these fishery assessments supplied by Bureau of Freshwater Fisheries. This report presents the assessment results of fish inventories of 40 lakes and reservoirs all of which possess public access for recreational fishing. These 40 waterbodies represent a total of 11,393 lake acres. With the exception of one lake, assessment dates range from 1992 to 2000. The one exception is New Market Lake in Middlesex County, a lake contaminated with PCB's from an upstream industrial source which has resulted in a total consumption advisory on the lake. Because of this and the poor quality of the lake fishery, the Division of Fish and Wildlife no longer manages the fishery and this precludes more up-to-date fish assessments.

Lakes Aquatic Life Designated Use Assessment: Results

Of the 40 lakes assessed by the Division of Fish and Wildlife totaling 11,861 acres, 34 lakes fully support the use, one lake is fully supporting but threatened, 4 lakes partially support the use, and one lake does not support the use. When categorized according to the Integrated List categories, the classifications are as displayed on Table 3.2a-1. The results of individual lake assessments are summarized below on Table 3.2a-2.

Table 3.2a-1: Lakes Aquatic Life Designated Use Assessment Summary (in acres)

Use Support Category	Number of Lakes	Acres	Integrated List
Full Attainment	34	7,916	Sublist 1
Non Attainment*	6	3,945	Sublist 5
Insufficient data	0	NA	Sublist 3
Total Acres Assessed	40	11,861	

*This category includes lakes assessed as threatened, partially supporting and not supporting the Aquatic Life Use.

Table 3.2a-2: Individual Lake and Reservoir Assessment Results Using Fisheries Data

Lake Name	Use Assessment	Latest Assessment Date	Reason for Less Than Full Support
Lake Aeroflex	Full Support	1995	
Brainerd	Full Support	1996	
Budd Lake	Full Support	1997	
Canistear Reservoir	Full Support	1993	
Clinton Reservoir	Full Support	1990	
Davidson's Mill	Partial Support	1997	Sedimentation/water quality
Davis Mill Pond	Full Support	2000	
Demott Pond	Full Support	1997	
Echo Lake Reservoir	Full Support	1991	
Elmer Lake	Full Support	1995	
Farrington	Full Support	1999	
Hopatcong	Threatened	1996	Accelerated eutrophication
Jefferson	Full Support	1997	
Lefferts	Partial Support	1998	pH
Manasquan Res.	Full Support	1996	
Maple Lake	Full Support	1996	
Maskells Millpond	Full Support	1997	
Menantico Pond	Full Support	1997	
Merrill Creek Res.	Full Support	2000	
Monksville Res.	Full Support	2000	
New Market	No Support *	1987	Fishery dominated by carp & goldfish.
North Community	Partial Support	1997	Sedimentation
Parvin	Full Support	1992	
Peddie	Full Support	1997	
Pemberton Lake	Full Support	1996	
Prospectown	Full Support	1997	
Ramapo Lake	Full Support	2000	
Round Valley Res.	Full Support	1996	
Ryker Lake	Full Support	1997	
Scarlet Oak Pond	Full Support	1994	
Shadow	Full Support	1994	

Table 3.2a-2: Individual Lake and Reservoir Assessment Results (cont.)

Lake Name	Use Assessment	Latest Assessment Date	Reason for Less Than Full Support
Shepherd	Full Support	1999	
Silver Lake	Full Support	1993	
Spruce Run Res.	Partial Support	1997	Frequent and significant water withdrawals
Sunset	Full Support	1998	
Union Lake	Full Support	1993	
Washington Valley Res.	Full Support	1997	
White Lake	Full Support	1998	
Wilson	Full Support	1993	
Wilson Park	Full Support	1997	

*PCB's in fish tissue resulting in Total Consumption Advisory. Lake is no longer managed by the Division of Fish and Wildlife.

Source and Cause Assessment

Spruce Run Reservoir in Hunterdon County was classified as partially supporting aquatic life designated uses. This impairment has been attributed to frequent and significant water withdrawals which cause significant oscillations in water levels. This has eliminated all vegetation within the reservoir, a critical component of fish cover. The lack of adequate cover within the reservoir has affected the recruitment of a number of game species. "Recruitment" here refers to the number of young fish which survive to ultimately become large enough to reproduce and/or become harvestable. In addition the reservoir receives nutrient laden runoff during storm events from the upstream watershed and exhibits dense algal blooms during the summer months. The Bureau of Freshwater Fisheries has found dissolved oxygen levels from approximately 12 feet down to the lake bottom (70 ft.) that are routinely reduced to 0 mg/l DO during the summer months. Spruce Run Reservoir was not studied by the Clean Lakes Program.

Lake Hopatcong was classified as fully supporting aquatic life uses but threatened due to accelerated eutrophication brought about by nonpoint source pollution from the communities immediately surrounding the lake, especially from septic systems. Lake Hopatcong was also classified as eutrophic by the Clean Lakes Program.

Strategies to Protect and Enhance Aquatic Life Uses in Lakes

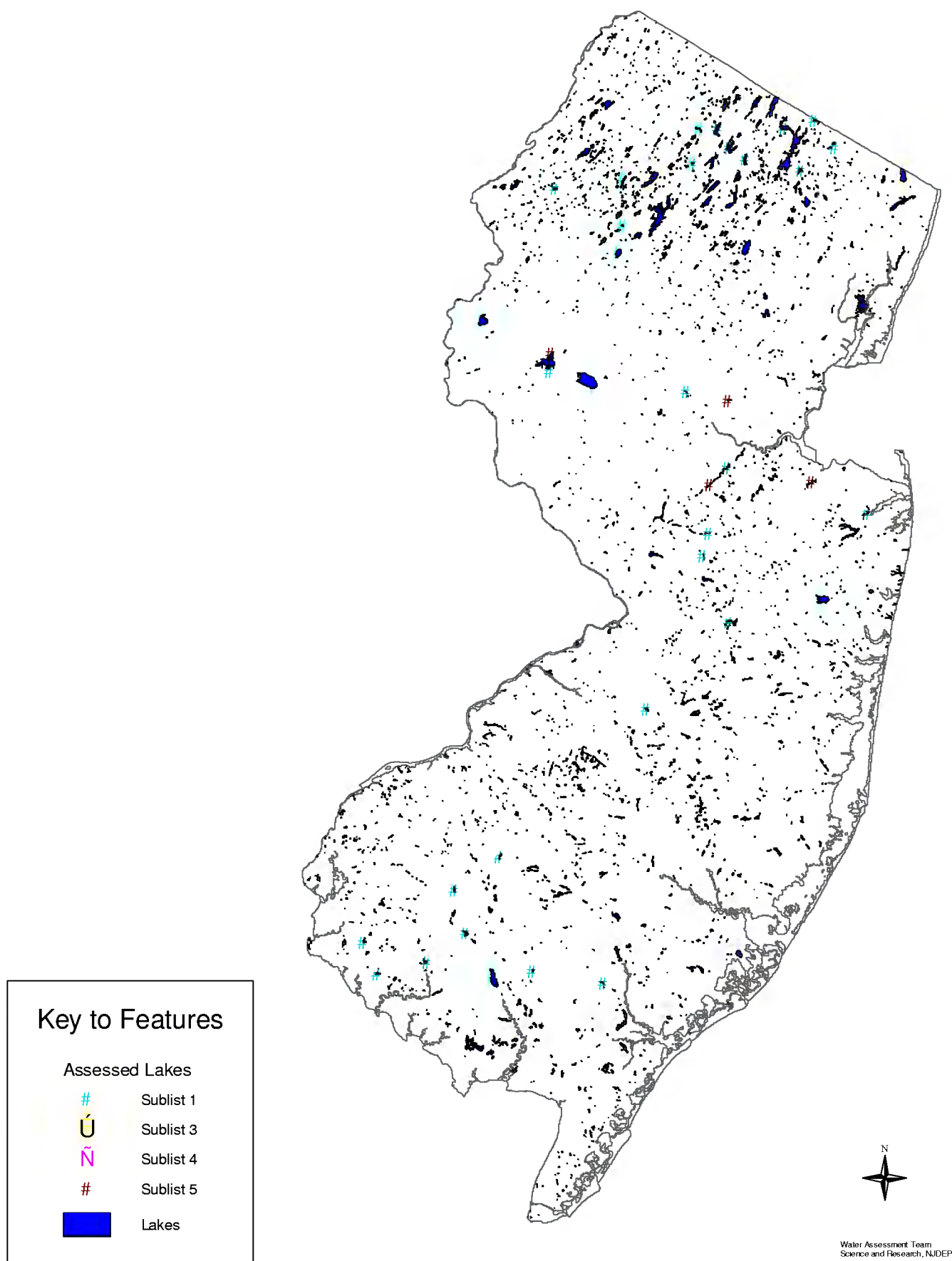
Implement management measures for fisheries: Numerous management measures are identified in the Warmwater Fisheries Management Plan such as lake dredging when needed, aquatic vegetation control and angler education.

Expand the use of direct measures of aquatic life designated use status: NJDEP plans to make wider use of fishery inventories provided by the Department's Bureau of Freshwater Fisheries. In addition, NJDEP and USEPA Region II have developed draft rapid bioassessment protocols for lakes. The Department is currently evaluating whether these protocols need additional verification and how best to integrate these assessments with the existing fin-fish assessments.

Once these efforts are completed and sufficient data are available, these new data will be integrated into the Aquatic Life Use support status of public lakes for future Water Quality Inventory Reports.

Additional lake management strategies to control eutrophication are discussed under Section 3.2c, Lake Recreational Designated Use: Aesthetics.

FIGURE 3.2a-1. Aquatic Life Designated Use Status for Lakes.



Section 3.2b: Lakes Recreational Designated Use Assessment: Sanitary Quality

Lake bathing beaches are monitored for sanitary quality by county and local health departments with oversight and program coordination from New Jersey Department of Health and Senior Services (NJDHSS). NJDEP's Cooperative Coastal Monitoring Program compiles NJDHSS data so that a more comprehensive picture of the quality of all NJ bathing beaches can be provided. In addition, many of the environmental programs available to maintain and improve lake water quality are operated through NJDEP. The Division of Watershed Management cooperatively prioritizes and implements projects needed to protect and improve lake bathing beaches.

Lake Recreational Designated Use Assessment Method

The assessment methods for Recreational Designated Use Assessment are delineated in Section 5.2 of the Methods Manual. The sanitary quality of water at the bathing beach is monitored by county and local health agencies. Some lakes included in this assessment are privately owned and operated, including camps, private schools, or lake associations. NJDHSS regulations govern the collection of these data and beach closures based on elevated levels of fecal coliform (FC).

Levels of fecal coliform bacteria are used to indicate the presence of fecal pollution which may be harmful to human health. Sanitary surveys are performed to identify and address bacterial pollution sources. Data for this assessment were provided by the NJDHSS and subsequently compiled by NJDEP's Cooperative Coastal Monitoring Program.

To date, 480 lake bathing beaches located on 318 lakes have been identified; some lakes have more than one beach. Recreational designated use attainment was assessed separately at each beach. Of the total of 318 lakes, 271 are recorded within the Department's Geographical Informational System (GIS), and 47 are not yet located within the system. The following summaries are based only on lakes in the GIS system as use attainment results must be reported to USEPA as lake acres. Lake acreages are not readily available for many of these small lakes not recorded in the GIS system. The Department is working to correct this deficiency and it is hoped to have all recreational lakes contained within the system in the near future.

Lakes Recreational Designated Use Assessment Results

Results are summarized on Table 3.2b-1 below. As shown on Table 3.2b-1, 197 (73%) lakes provided bathing beaches of excellent recreational swimming quality (full attainment of the use). Seventy-two lakes (26%) showed non attainment of the primary contact use based upon the sanitary quality of their bathing beaches. Two lakes (1%) were listed on Sublist 3 due to insufficient data needed to make an assessment (beach was either closed or data were not provided). This represented Wood Lake in Medford Township. and Sachaawea Camp on Gorden Lake in West Millford Township. Results for individual lakes are provided in Integrated List Tables.

Expressed as lake acres, the information above for the 271 lakes located on GIS is as follows: 15,147 acres (81%) fully support recreational uses and are listed on Sublist 1; 3,473 acres (19%) do not support recreational uses and are placed on Sublist 5; and seventeen acres (0.1%) were assessed as not possessing sufficient data to make an assessment and are listed on Sublist

3. As discussed above, efforts are underway to locate the remaining lakes on GIS, facilitating a comprehensive spatial assessment of lake bathing beaches.

Table 3.2b-1: Lake Beach Recreational Designated Use Support and Corresponding Integrated List Status

Use Support Category	Number of Lakes in Each Category*	Acres	Integrated List
Full Support	197	15,148	Sublist 1
Insufficient Data	2	17	Sublist 3
Non Support	72	3,473	Sublist 5
Total Assessed	271	18,638	

*Lake acres are based upon lakes indexed within the Department's Geographic Information System (GIS) only. An additional 47 lakes were reported to the Department; however, because they are not indexed within the GIS system, their acreage are currently unknown and they are not included in the calculations of acres within each of the use support categories. A list of the lake names of 47 lakes of this subset is contained in Table 3.2b-2 below.

Table 3.2b-2. 47 lakes reported to the Department and not indexed within the GIS system.

Their acreages are currently unknown and are not included in the calculations of acres within each of the use support categories displayed on Table 3.2b-1 above.

WMA	Beach Name	Status on Integrated List	WMA	Beach Name	Status on Integrated List
03	Awosting Association	1	01	Garden State Academy Pond	1
08	Baptist Camp and Conf. Ctr.	1	02	Glen Harbor HOA	1
01	Bell Lake	1	02	Harmony Ridge Beach at Small Lake	1
06	Belmont Left and Right	1	09	Hercules Pond	1
17	Camp Grice	1	03	Highlands/Weis	1
01	Camp Lou Henry Hoover	1	06	Hilltop Left and Right	1
01	Camp Taylor Lake-01	1	18	Hurff Lake	1
08	Cross Roads Outdoor Ministries (Camp Beisler)	1	14	Indian Lake-14	1
01	Crystal Springs: The Quarry	1	06	Inlet Left and Right	1
17	Double A Marina	1	06	Lafayette Municipal Beach	1
03	Lake Edenwold-03	1	08	Camp Bernie	5
19	Lion Tamers Club	1	19	Camp Darkwaters	5
08	Manor House Outlet	1	09	Carroll's Garden Lake	5
03	Middle Lake Village	1	06	Community Assoc. of Prospect Point	5
08	Pax Amicus Beach	1	06	Conference Center Left and Right	5

Table 3.2b-2 continued

WMA	Beach Name	Status on Integrated List	WMA	Beach Name	Status on Integrated List
17	Pickle Factory Dock	1	17	Gandy's Beach	5
17	Rabins Beach	1	02	Glen Lake	5
17	Southern NJ Council	1	01	Green Valley Beach Campground	5
10	Sturbridge Lake-10	1	18	Lake Silvestro	5
02	Toyes Recreation	1	19	Lakeside	5
06	Village Left and Right	1	03	Montclair YMCA Near Beach and Far Beach	5
17	Vineland YMCA	1	06	Morris County Park Lake, Beach, Inlet, Outlet,	5
08	Pavillion Beach	3	02	Tall Timbers POA	5
18	Sacajawea Camp	3			

Lake Recreational Designated Use Source and Cause Assessment

In general, the sources and causes of fecal contamination that bring about lake bathing beach closures are very similar to those affecting rivers and streams. Additional site specific information regarding sources of fecal coliform pollution at lake bathing beaches is expected to become available through the Watershed Management Program.

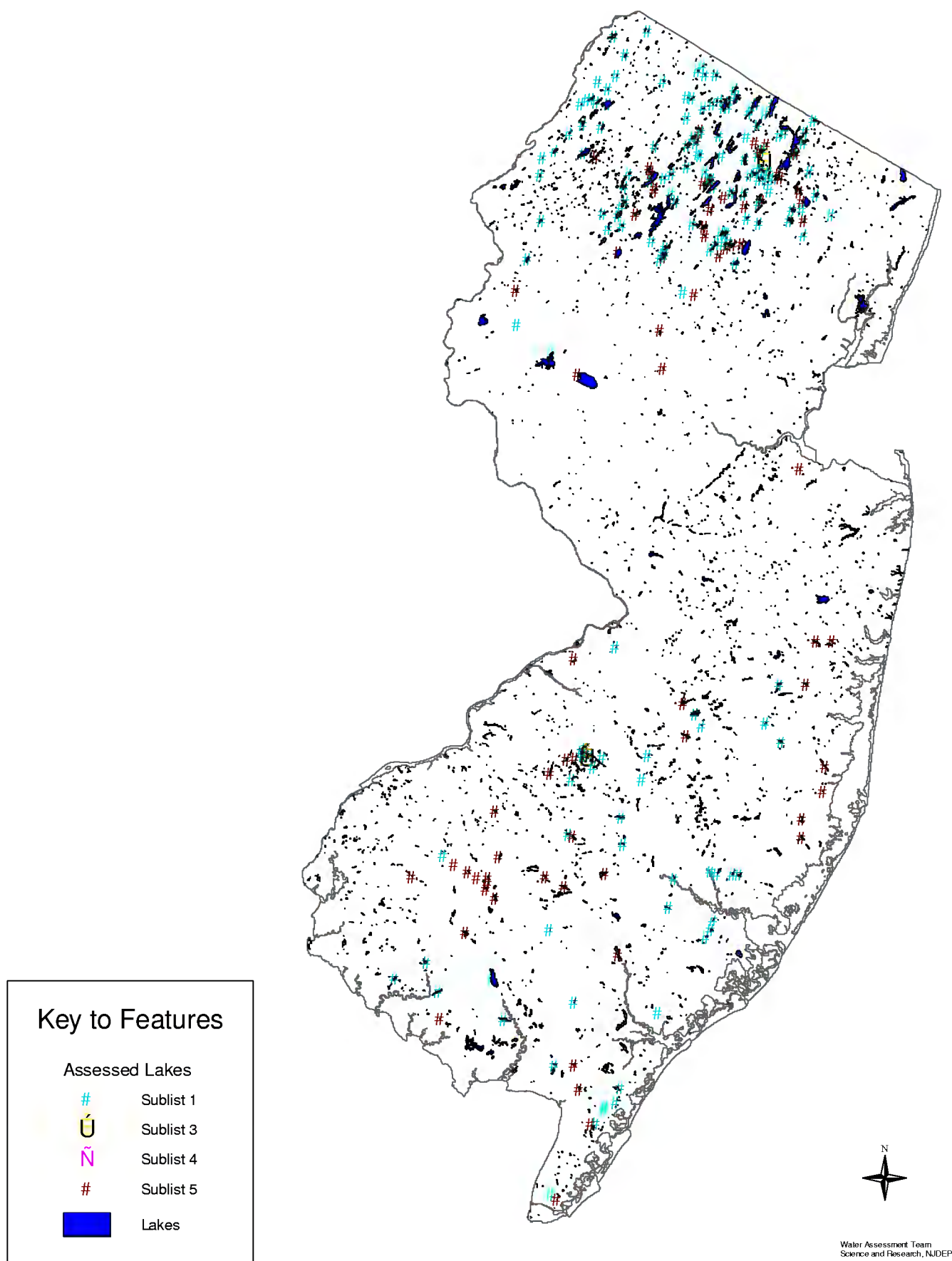
Maintaining and Improving Lake Recreational Designated Uses

Continue remediation efforts for eutrophic conditions at lakes with beaches: Through the Clean Lakes Program, remediation efforts for eutrophic conditions are ongoing or have been completed at several lakes with one or more bathing beaches, including Cranberry, Greenwood, Hammonton, Hopatcong, Manahawkin, and Swartswood Lakes. Additional information is provided in the 2000 305(b) Report, in the Appendix on Table A4.3.3-1 of "Lake Remediation under the Clean Lakes Program". Through the New Jersey Lakes Bond Act, remediation efforts are ongoing at several lakes with one or more bathing beaches, including Cranberry, Greenwood, Hammonton, Hopatcong, Mohawk, Pine, Round Valley, Swannanoa, Swartswood, and Sylvan Lakes. Additional information again is provided in the 2000 305(b) Report in Appendix A4.3.3-2: FY96 Lakes Bond Act Projects.

Continue and expand cooperative assessments with NJDHSS: The lake bathing beach data for this assessment were provided through the cooperative efforts of the Cooperative Coastal Monitoring Program and the NJDHSS. This initial effort made the lake bathing beach assessment possible. Future cooperative efforts should explore the exchange of lake beach closure data with NJDEP.

Improve spatial assessment: NJDEP and NJDHSS are working cooperatively to locate the remaining 66 lakes on GIS. The results will be used to complete the comprehensive assessment of lake bathing beaches for the next Water Quality Inventory Report.

FIGURE 3.2b-1. Recreational Designated Use Status for Lakes.



3.2c: Lake Recreational Designated Use: Aesthetics

Many of the lakes in New Jersey are constructed impoundments which are highly prone to eutrophication. Eutrophication occurs naturally as lakes age; however, this process can be accelerated from excessive inputs of nutrients and suspended sediments from the surrounding watershed. Eutrophic lakes are characterized by excessive growth of aquatic weeds and algae, shallow depths as sediments fill the lake, elevated temperatures, and low dissolved oxygen. The excessive algal growth, be it planktonic or rooted, often create aesthetically unpleasant conditions for swimming and difficult conditions for boating.

Details regarding the assessment methods applied to lakes experiencing nuisance algal growth in the context of the Integrated List are contained in section 5.3 of the Methods Manual. The Clean Lakes Program was designed by USEPA to facilitate identification and remediation of impaired lakes. Much of the impairments brought to the Department's attention through the Clean Lakes Program centered around nuisance algal growth impairing swimming and in some cases boating. The Program has assessed a total of 117 public lakes, representing 10,462 acres. This represents 31% of public lakes and 44% of public lake acres. Many Clean Lakes assessments had been performed in the 1980s and early 1990s.

Prior to the 2000 Water Quality Inventory Report, lake trophic assessments had been used to assess lake Aquatic Life Designated Use Support. Beginning in the 2000 Report, Aquatic Life Designated Use Support in lakes was based instead upon warm water fishery assessments supplied by the Department's Bureau of Freshwater Fisheries (BFF). This 2002 Report continues this method of assessment.

Clean Lakes Program Eutrophication Assessment Results

Table 3.2c delineates the results of classifying Clean Lakes Program Eutrophication Assessment results to the Integrated List. Of 117 public lakes assessed by the Program, 115 are located on the Department's GIS system. An additional 2 lakes (Foxmill Lake in Salem County and Mac's Pond in Monmouth County) were reported to the Department; however, because they are not indexed within the GIS system, their acreages are currently unknown and they are not included in the calculations of acres within each of the use support categories.

Of the 115 lakes on the GIS system, 4 lakes (249 acres) were assessed as mesotrophic: Lake Atsion, Tuckahoe Lake, Manahawken Lake, and Turnmill Lake. The remaining 111 lakes were assessed as eutrophic. Within the context of the 2002 Integrated List, the results are delineated on Table 3.2c below.

Table 3.2c: Clean Lakes Program Eutrophication Assessment Results Applied to the Integrated List

Assessment Use Support Status	Number of Lakes*	Lake Acres	Sublist
Full Support	4	249	Sublist 1
Insufficient Data**	61**	4,064**	Sublist 3**
TMDL Completed	3	54	Sublist 4
Non Support	47	5,775	Sublist 5
Total Assessed	115	10,142	

* Lake acres are based upon lakes indexed within the Department's Geographic Information System (GIS) only. An additional 2 lakes were reported to the Department, however, because they are not indexed within the GIS system, their acreages are currently unknown and they are not included in the calculations of acres within each of the use support categories. These lakes are Foxmill Lake in Salem County and Mac's Pond in Monmouth County.

**Lakes assigned to Sublist 3 represent lakes assessed as eutrophic, however no recreational use impairment has been reported to the Department. See section 5.3 of the Methods Manual.

Subsequently, extensive remediation and a TMDL were completed for Upper and Lower Sylvan Lake and Strawbridge Lake (all in Burlington County) resulting in these lakes being listed on Sublist 4a (TMDL completed). For additional information regarding the status of restoration efforts for lakes assessed under the Clean Lakes Program, readers are referred to the New Jersey 2000 305(b) report, specifically tables A4.3.3-1 and A4.3.3-2 within the Appendix of the Lake Assessment section.

Lake Eutrophication Source and Cause Assessment

Much of the Department's information regarding lake eutrophication comes from the Clean Lakes Program. As reported in earlier Water Quality Inventory Reports, lake eutrophication is a widespread issue in New Jersey and is characterized by elevated levels of suspended sediment, nutrient and algal concentrations. Aquatic life may be stressed due to dissolved oxygen fluctuations and in extreme situations, fish kills may occur. Eutrophic conditions generally lower the aesthetic and recreational value of the lake. Although all lakes naturally progress to eutrophic conditions, then become wetlands (especially those created as stream impoundments), this process is being accelerated by excessive inputs of nutrients and suspended sediments from point and nonpoint sources. In addition, an important factor to consider is most New Jersey lakes are shallow stream impoundments constructed for purposes including flood and sediment control. These shallow impoundments are highly prone to eutrophication. Through restoration projects, described immediately below, site-specific sources of nutrients and suspended sediment as well as management measures are identified for each lake.

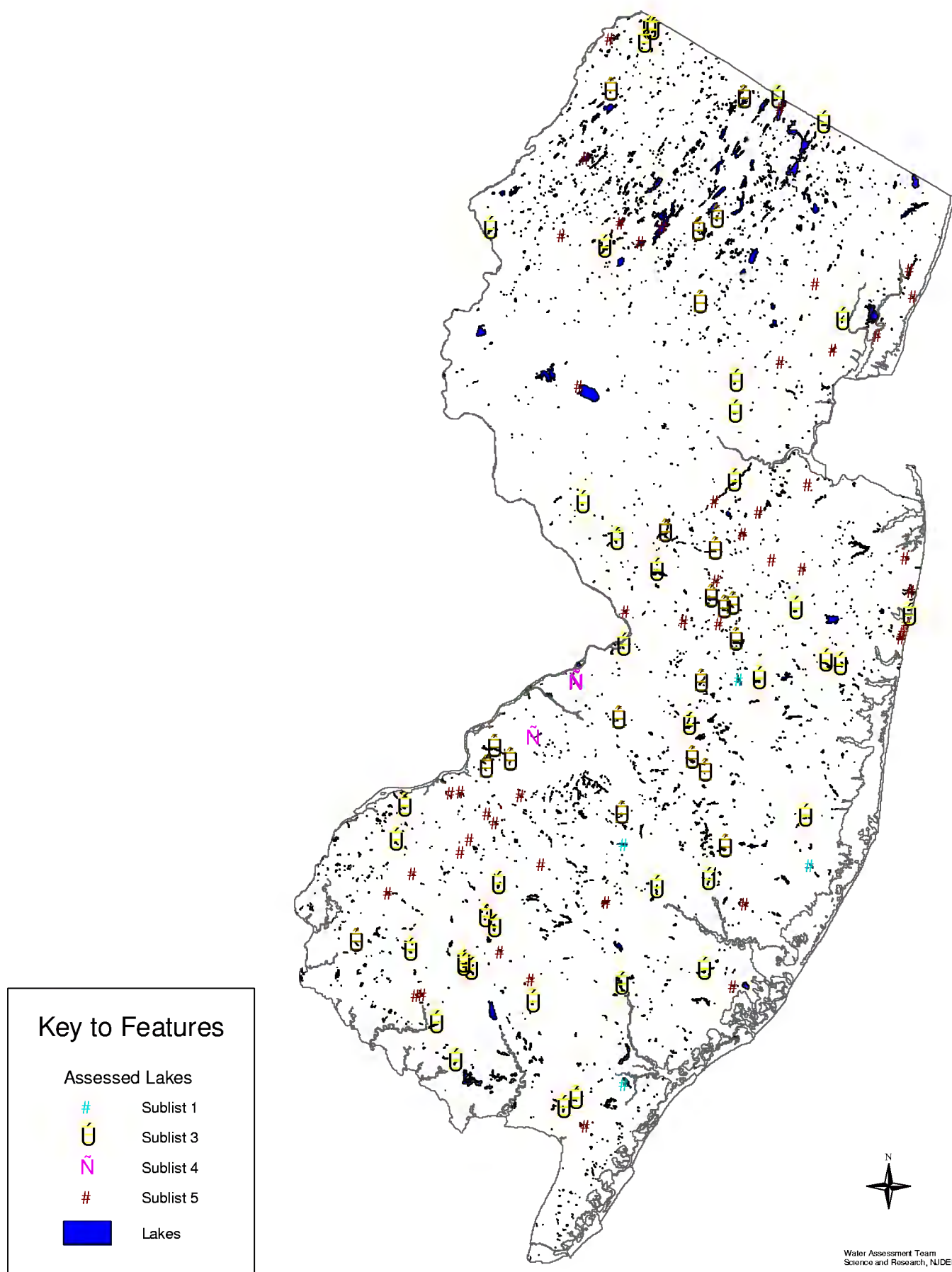
Strategies to Protect and Enhance the Aesthetic Aspects of Swimming and Boating

Implement improvement projects in impaired lakes: New Jersey has traditionally used Clean Lakes Program funds to address eutrophication in lakes. More recently, the \$5 million Lakes Bond Act has been used to begin additional projects. The New Jersey Environmental Infrastructure Trust fund was used to address water quality and sedimentation issues in Colonial

Lake in Mercer County. USEPA no longer funds the Clean Lakes Program and is recommending that states use section 319(h) funds for lake remediation, with the assumption that the impairments are due (largely if not exclusively) to non point sources.

Develop TMDLs for impaired lakes: Many eutrophic lakes identified by the Clean Lakes Program are included on Sublist 5 of the 2002 Integrated List Impaired Waterbodies List. Thus these lakes are subject to the provisions and schedules of a TMDL. As TMDLs are developed, nutrient and sediment loads and cycling in the lakes will be assessed and management measures will be prioritized and implemented. To date, of the 48 eutrophic lakes listed on Sublist 5, 35 are priority lakes for TMDLs.

FIGURE 3.2c-1. Aesthetic Designated Use Status for Lakes.



Section 3.3: Estuary and Coastal Assessment

Section 3.3a: Estuary and Ocean Aquatic Life Assessment

New Jersey's estuaries provide a rich spawning ground for many aquatic species. These species are important for recreational and commercial fishing and shellfishing, as well as important components of the aquatic ecosystem.

Various programs within the New Jersey Department of Environmental Protection (NJDEP) have oversight for protecting coastal environments (e.g., water quality, fin- and shellfisheries, bathing beaches, land use permitting, etc.); management planning (e.g., Coastal Zone Management, Wastewater) and public policy implementation (e.g., Coastal Areas Facility Review Act). These programs and descriptions of their activities can be found at NJDEP's Website (www.state.nj.us/dep/). In addition, NJDEP participates in a number of multi-state, estuarine management programs such as the Interstate Environmental Commission (IEC) formerly the Interstate Sanitation Commission, the Delaware River Basin Commission (DRBC) and three National Estuary Programs (i.e., NY/NJ Harbor Estuary and NY Bight Restoration Plan, Delaware Estuary Program, and Barnegat Bay Estuary Program).

New Jersey's estuarine waters are assessed in conjunction with two interstate agencies, the Interstate Environmental Commission (IEC) and the Delaware River Basin Commission (DRBC). New Jersey assesses and reports on the estuarine waters within the southern half of Raritan Bay, Sandy Hook Bay and the back-bay waters from the Navesink estuary south to the eastern tip of Cape May. The IEC assesses and reports on the waters in the New York/New Jersey Harbor, specifically the northern portion of Raritan Bay, Newark Bay, the Arthur Kill and Kill Van Kull, Upper New York Bay and the Lower Hudson River. The DRBC assesses and reports on the Delaware River and Bay. This New Jersey Water Quality Inventory Report does not include the observations and assessments published by the IEC or DRBC, except for the delisting of sites from the 1998 303(d) List. For information regarding waters overseen by these two interstate agencies, please refer to the corresponding addresses provided in the front of this report.

Estuarine Aquatic Life Assessment Method

The Department does not currently directly assess the condition of the coastal marine biota in order to assess the Aquatic Life Designated Use in these waters. Instead, the Department uses dissolved oxygen (DO) measurements as an indicator for this designated use status. Dissolved oxygen is necessary for almost all forms of aquatic life and monitoring data are readily available. There are limitations to this assessment tool, however, because many open water aquatic species are mobile and/or naturally tolerant of transient low DO occurrences. In order to obtain a clearer assessment of coastal biotic communities, additional data and assessments will be needed in the future to improve this assessment.

Methods employed by the Department in assessing Aquatic Life Designated use support in both estuary and ocean waters are described in section 5.1.3 of the Methods Document. The monitoring programs supplying data employed in these assessments are described in Appendix II of the Document. Estuarine waters are reported separately as open estuarine water and as tidal river miles in this report.

Estuary Aquatic Life Assessment Results

Of the 258 square miles of open estuarine waters assessed from southern Raritan Bay south to Cape May, 67% had sufficient dissolved oxygen levels to support a healthy biota. The remaining 33 % were assessed as being in non attainment due to periodic drops in DO levels to unacceptable levels. Locations where DO violations were observed centered around the Shark River, Lower Manasquan River, Great Bay, Absecon and Lakes Bay, Sculls Bay, and Great Egg Harbor Inlet (see Fig. 3.3a-2).

Of the 95 miles of tidal rivers assessed, 76 miles (80%) were assessed to be in full attainment, 19 miles were in non attainment (20%). Areas of non-support included tidal portions of the Shark River and Jumping Brook, tidal Patcong Creek and the Middle River within the Great Egg Harbor River watershed, and the lower tidal portions of the Maurice River (see Fig. 3.3a-2).

Table 3.3a-1: Open Water Estuary Aquatic Life Assessment Results

Use Support Category	Monitored Square Miles	Percent	Integrated List
Full Support	173	67 %	Sublist 1
Insufficient Data	0		Sublist 3
No Support	85	33 %	Sublist 5
Total	258	100%	

Table 3.3a-2: Tidal River Aquatic Life Assessment Results

Use Support Category	Monitored River Miles	Percent	Integrated List
Full Support	76	80%	Sublist 1
Insufficient Data	0	NA	Sublist 3
No Support	19	20%	Sublist 5
Total	95	100%	

Estuary Aquatic Life Source and Cause Assessment

Factors contributing to low dissolved oxygen concentrations in New Jersey estuaries are discussed in Zimmer and Groppenbacher (1999) and are both natural and anthropogenic. Estuarine DO levels are characteristically lowest in summer, when water is warm and biological activity is at its highest. Many of the estuaries along the New Jersey coast are shallow waterbodies, often with poor mixing which contributes to the warming of the waters in summer that in turn contribute to low oxygen levels. An additional contributing factor to low DO is input of naturally oxygen depleted waters from adjacent wetlands especially during ebb tides.

Recorded low DO conditions have often been found to coincide with phytoplankton bloom die-off, the resulting decay of which contributes to water column oxygen consumption during the bloom die-off phase. Anthropogenic inputs of nutrients have contributed to elevated nutrient levels that are believed to contribute to periodic phytoplankton blooms.

Anthropogenic inputs include nonpoint sources such as:

- surface runoff from agricultural and developed lands, transported by direct stormwater discharges and tributary inputs;
- direct ground water inputs of nitrogen from historical deposition;
- wet and dry atmospheric deposition of nitrogen oxide emissions, primarily from fossil fuel combustion (Jaworski, et. al. 1997) which in the Barnegat Bay has been estimated to represent a substantial nitrogen load (USGS, written communication, 8 August 2000); and
- other sources such as large waterfowl populations and sediment resuspension through boat-created turbulence.

In addition, NJDEP recognizes that multi-media approaches to environmental assessment and management are best when dealing with contaminants that may be transported through differing media. Understanding the effects of air deposition and other non-point sources of pollution to coastal waters, including contaminant composition and magnitude of potential load, is critical to scientists and policy makers in formulating watershed-based management strategies and regional solutions to environmental issues. Recent investigations (Jaworski et. al. 1997) have estimated that for ten benchmark watersheds in the United States, including the Hudson and Delaware Basins on either side of New Jersey, the riverine nitrogen fluxes of nitrogen were highly correlated with atmospheric deposition onto their landscapes and also with nitrogen oxide emissions from their airsheds. More locally, a study of Barnegat Bay in New Jersey, a typical shallow Atlantic coast embayment, indicated that over 75% of the nitrogen input to the bay is from atmospheric deposition (Seitzinger and Sanders 1999).

To address these multi-media concerns, NJDEP has established the statewide New Jersey Atmospheric Deposition Network (NJADN) which samples gaseous, particulate, and precipitation concentrations of a number of contaminants at nine sites throughout the State. The NJADN, through the collection of data that address wet and dry deposition and air-water exchange of atmospheric pollutants, will provide estimates of direct loadings to surface waters. Such data will be especially important for aquatic systems that have large surface areas relative to watershed areas, such as coastal areas. Preliminary findings of the NJADN are available for a number of pollutants. Findings for nitrate confirm earlier estimates that air deposition of nitrogen may be significant for some watersheds. The annual wet deposition of nitrate throughout the State, as measured by the NJADN, ranged from 22 to 30 mmol/m²/yr (Eisenreich & Reinfelder, 2001). With the assumption that nitrate represents roughly half of the total dissolved nitrogen in rain (with the remainder either ammonium or dissolved organic nitrogen), average total nitrogen fluxes to terrestrial areas and coastal waters of the State are approximately 0.7 gram/m²/yr.

Ocean Water Aquatic Life Assessment Methods

As stated previously, methods employed by the Department in assessing Aquatic Life Designated use support in both estuary and ocean waters are described in section 5.1.3 of the Methods Document. The monitoring programs supplying data employed in these assessments are described in Appendix II of the Document. Aquatic life assessment for ocean waters in New Jersey is based upon water column dissolved oxygen (DO) levels recorded by the USEPA helicopter during June through September, 1996 through 2001. Samples are taken at one meter below the water surface (terminated in 1999) and one meter off the ocean bottom, depths ranged from 20 to 75 meters. EPA terminated surface water sampling for DO in 1999 when historic records showed surface DO to be consistently acceptable in the locations sampled. Because the data supporting the Aquatic Life Designated use assessment here are 5 years old or less, they are regarded as monitored.

Ocean Water Aquatic Life Assessment Results

Of 454 square (statute*) miles assessed (Sandy Hook south to Cape May and out 3 nautical* miles) 30 percent (136 sq. statute mi.) fully support (Sublist 1) the Aquatic Life Use and the remaining 70 percent (318 sq. statute mi.) are in nonattainment (Sublist 5) due to a benthic low DO cell which forms off the coast during the summer months and breaks up in the fall. It is important to note that surface DO based upon historic monitoring by the EPA helicopter has found the DO in the surface regions of the waters listed on sublist 5 to be consistently acceptable. The areas of full support are centered approximately one mile off the coast from Barnegat Inlet, Absecon Inlet and a three mile eastward transect just above Hereford Inlet. [Is a map available or possible?]

Table 3.3a-3: Ocean Aquatic Life Assessment Results

Use Support Status	Square Miles	Percent of Assessed Waters	Integrated List
Full Attainment	136	30%	Sublist 1
Insufficient Data	0		Sublist 3
Non Attainment	318	70*%	Sublist 5
Total	454	100%	

*** Applies to ocean floor only.**

Some important considerations associated with these assessment results include:

Low DO occurred on the ocean bottom: When assessing data for the 2000 Inventory Report DEP observed that EPA data reveal that DO readings collected at one meter below the surface indicate acceptable DO and almost all exceedances of criteria were recorded on the ocean bottom (one meter off the bottom). A subsequent review of historical data by EPA Region II has confirmed this. This is not consistent with samples collected by EPA of some near shore surface waters for NJDEP's Estuarine Monitoring Program. These samples showed that subsurface DO

* Statute mile equals 5280 feet; a nautical mile is 6080 feet.

violations in near shore waters were occurring within the last 5 years¹. Additional data within the water column are needed to characterize the volume of the low DO cells.

Low DO occurrences in the ocean were transient: USEPA personnel indicated that based on experience, the regions exhibiting low DO are transient, forming during the summer months and disappearing during the fall turnover and not forming again until the following summer when the waters re-stratify (Randy Braun, personal communication).

The biological impacts on the ocean floor are not known: DO concentrations provide an surrogate indicator of aquatic life designated use attainment and does not provide an assessment of actual biological conditions. In open waters, fish can avoid areas with low DO, and many crustaceans and other benthic inhabitants are naturally tolerant of temporary low DO conditions. The Department does not have data to characterize the status of the benthic community in these waters, therefore, the significance of temporary DO conditions below 5 mg/l to aquatic life uses is unclear.

The Department has seen evidence of extensive benthic mortality (e.g. shellfish) following the die-off of a massive region-wide marine algae (dinoflagellate) bloom in 1976. Other than this single isolated event, evidence of extensive benthic mortality has not been observed by the Department or EPA since EPA began monitoring ocean DO in the mid-1970's.

Clearly, biological data such as assessments of benthic invertebrate populations and the presence of recorded fish-kills would enhance this assessment.

The Department lacks both annual and diurnal data: USEPA data used for this assessment were collected during the most stressful period of the year (June through August) when DO levels are lowest, and as such, are not gathered to specifically assess the attainment of aquatic life designated uses year-round. In addition, night-time DO data would show how low DO goes, indicating how stressful the 24-hour cycle might be in these waters.

Additional information that would aid in clarifying the aquatic life status and better characterizing the DO status in the benthic waters are listed below:

- A characterization of the benthic biota (direct biological monitoring) for indications of impairment from inadequate DO.
- Additional DO data to characterize diurnal and seasonal fluxes as well as vertical DO conditions within the water column. Characterization of diurnal DO fluxes could be accomplished through deployment of continuous water quality monitoring equipment.
- Nutrient data, concentrating on nitrogen and oxidation-demanding substances both within and flowing into the ocean area in question to characterize the sources of loadings to these waters.
- Water quality modeling to determine the significance of anthropogenic loading to coastal waters and their contributions to benthic DO recordings below 5 mg/l.

For additional recommendations and information regarding the management of coastal waters

¹ Dataset available at www.state.nj.us/dep/wmm/bmw

see “Maintaining and Improving Aquatic Life in Coastal Waters,” below.

Coastal Aquatic Life Source and Cause Assessment

Occurrences of low DO in the ocean has been attributed to a combination of natural processes and anthropogenic inputs of nutrients. Ocean waters naturally stratify as they warm in the summer. As phytoplankton bloom and die during the summer, natural biological activity decomposes the algae which in turn reduces DO levels near the ocean floor. The rate, timing and extent of phytoplankton cycles may be worsened by nutrient inputs from near shore waters.

USEPA (1999) attributed the low DO in the near shore waters to the oxygen demand created by river inputs, offshore sewerage treatment plant inputs (there are 15 outfalls in the New Jersey coastal waters), stormwater runoff and the influence of the plume from the Hudson/Raritan River estuary system. Atmospheric contributions to nutrient enrichment occur in the ocean but, in contrast to estuaries, their relative significance appears to be minor when contrasted to other inputs (NY-NJ Harbor Estuary Program, 1996).

Maintaining and Improving Aquatic Life in Coastal Waters

Improve the basis for aquatic life assessments: Additional biological datasets will be explored and, as appropriate, integrated into future assessments of aquatic life in coastal waters. Major datasets include: fish and shellfish population data collected by the Division of Fish and Wildlife and other entities; ocean biological monitoring performed in the vicinity of the 15 ocean STP outfalls through NJPDES permits; and chlorophyll a data collected via remote sensing. Data regarding possible fish kills would also be helpful.

Continue to monitor and assess air deposition of nutrients to coastal waters: NJDEP operates an Air Deposition Monitoring Network that includes nutrient data collection. This network is expected to provide important data related to nutrient fluxes to estuarine and ocean waters from air deposition. These nutrient fluxes, in addition to land based sources, may play an important role in algal blooms in these waters that contribute to episodes of low DO.

Manage nutrient loads to coastal waters: As appropriate, based on the assessments above, additional measures to manage nutrient loads to coastal waters may be needed. It is important to observe that pollution sources influencing ocean impairment are interstate in nature and their remediation is also. Management measures within the waters discussed here must be the responsibility of New Jersey, New York City and New York State. A nutrient Total Maximum Daily Load (TMDL) analysis is being planned through the New York-New Jersey Harbor Estuary Program to address the contributions from the Hudson-Raritan River Estuary system.

FIGURE 3.3a-1. Monitoring Network for Aquatic Life Designated Use.

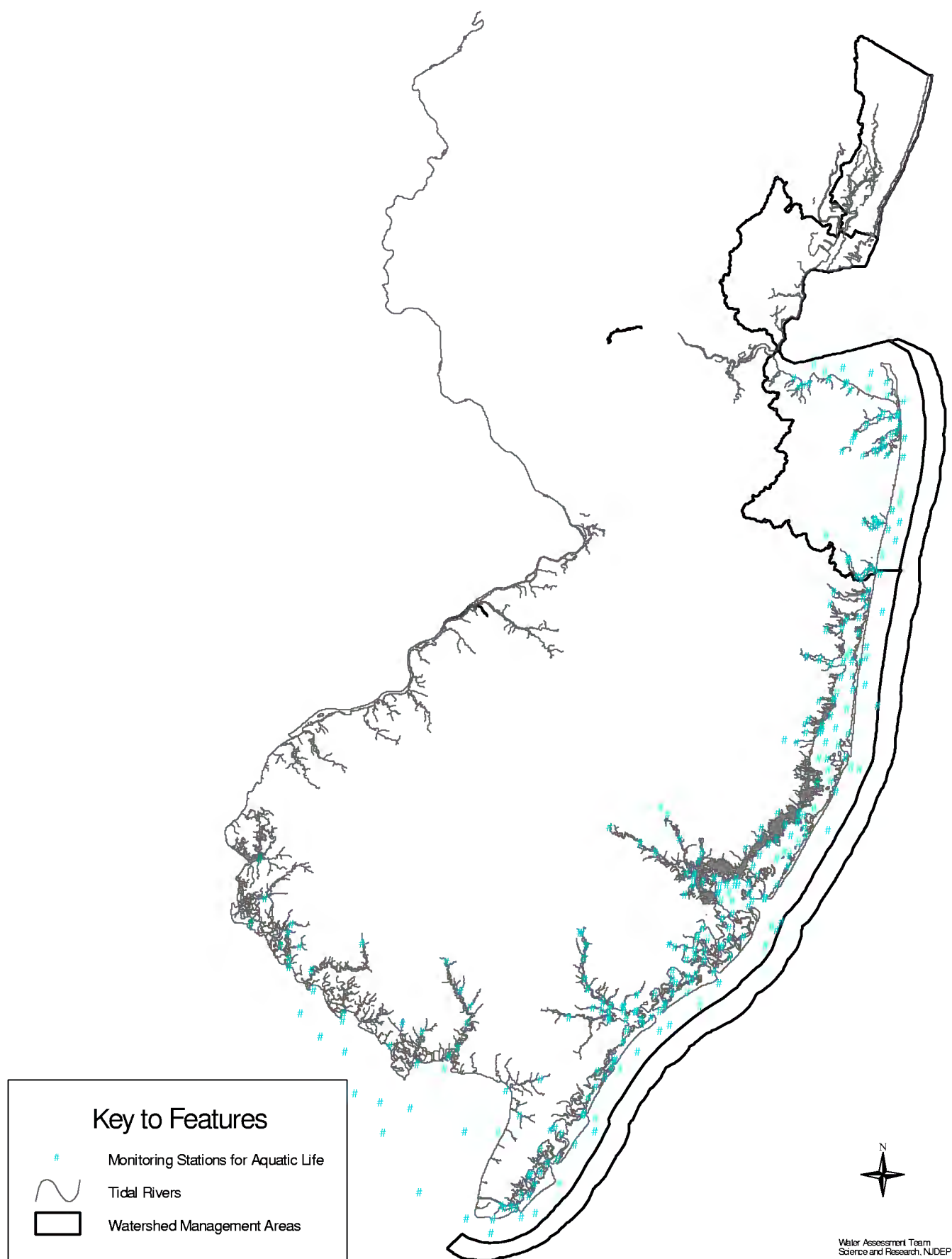
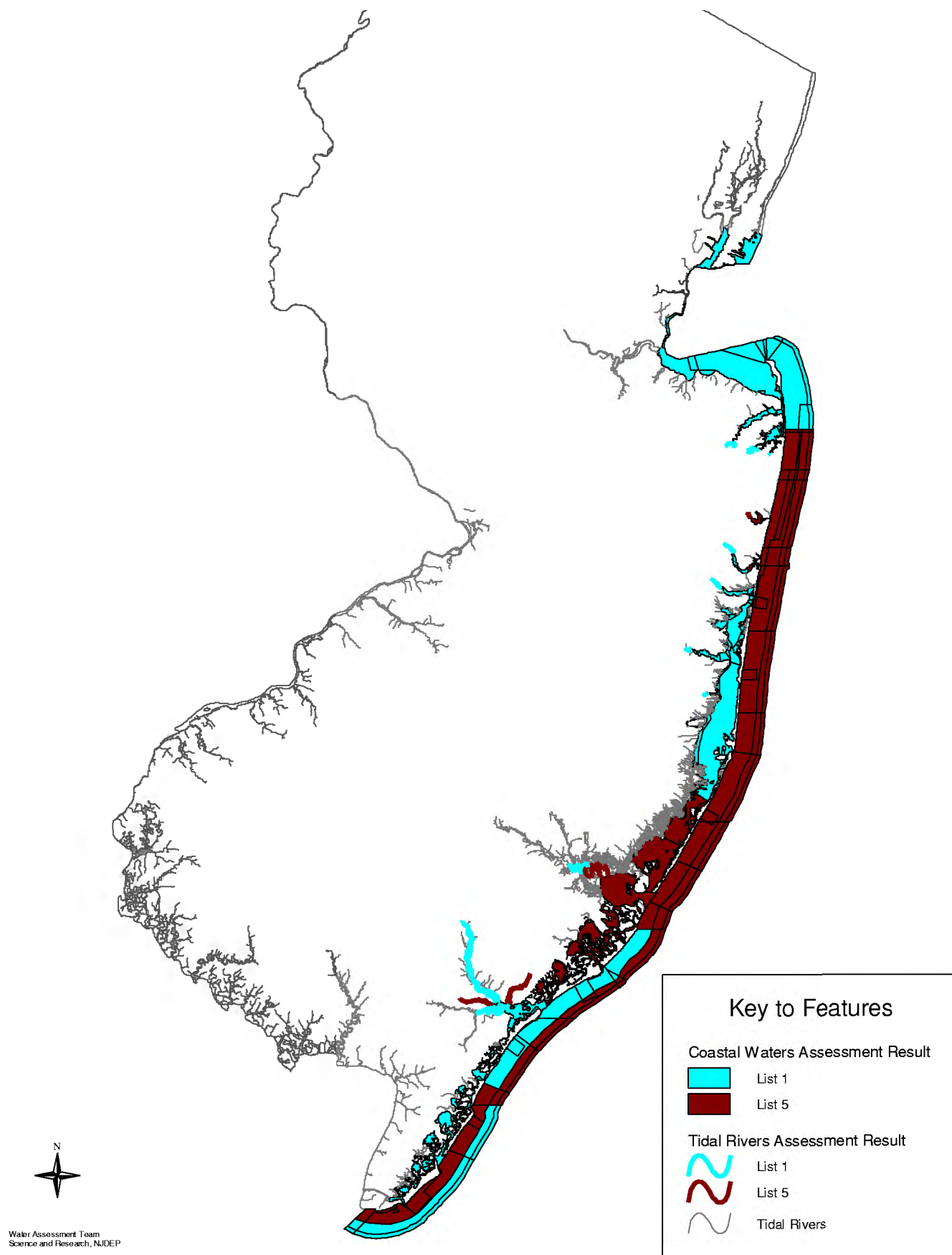


FIGURE 3.3a-2. Aquatic Life Assessment Status for Coastal Waters and Tidal Rivers. Note: Ocean waters on Sublist 5 are limited to the ocean floor only.



Section 3.3b: Estuarine and Coastal Recreational Designated Use Assessment

New Jersey's coastal beaches and waterways are very intensely used for recreational purposes. This resource includes 138 bay monitoring stations covering about 4 miles and 179 ocean stations covering 127 miles. In addition, 264.3 square miles of tidal estuarine rivers and shallow back bays form an inner-coastal estuarine network (Fig. 3.3b-1). New Jersey's ocean jurisdiction extends to 3 nautical miles off-shore equating to 446 square miles. Ocean and bay resources are widely used for swimming, boating, commercial and recreational fishing and shellfish harvest. Thus, there are ample opportunities for direct contact with these waters and high sanitary quality is very important for protection of public health, economics and enjoyment of this valuable resource.

Estuarine and Coastal Recreational Designated Use Assessment Method

Descriptions regarding the assessments of recreational designated use supports for coastal waters are contained in section 5.2 of the Methods Manual. Additional information regarding monitoring programs which provide data supporting these assessments are contained in Appendix II of the Manual.

Recreational designated use attainment was assessed using several datasets:

- Cooperative Coastal Monitoring Program beach closure data from over 6000 samples collected each between 1997 and 2000 were used to assess recreational uses at designated ocean and bay bathing beaches. Data are managed in an in-house database.
- Marine and Coastal Water Quality Monitoring Program fecal coliform data from over 600 samples collected between 1995 and 1997, inclusive, were used to assess recreational use attainment in tidal rivers and estuaries. Data are managed in USEPA's STORET database. This report is available from the NJDEP website: www.state.nj.us/dep.
- USEPA Ocean Monitoring included collection of fecal coliform data from 44 stations, sampled 7-14 times per year; 452 samples were collected in 1997 and 547 samples were collected in 1998. (USEPA, 1999). These data and an assessment of ocean pollution sources were used to assess recreational use attainment in the ocean.

Spatial Extent of Assessment of ocean and estuarine waters: 138 back bay beaches estimated to be 150 feet long (beachfront) x 100 feet wide (3.9 square miles); 127 miles of ocean beaches estimated to be 150 feet wide

Estuarine and Coastal Recreational Designated Use Assessment Result

Estuarine Waters

Note, this assessment is the same as the 2000 assessment; these waters have not been reassessed for the 2002 Integrated List. The square miles, however will be different because the tidal rivers have been presented as a separate assessment in this 2002 report, while they were combined with the open estuary mileage's in the 2000 Report.

As with the Aquatic Life Designated Use results reported above, estuarine waters are reported separately as open estuarine water and as tidal river miles in this section. Of 268 square miles assessed of open estuarine waters (from the tip of Sandy Hook to the tip of Cape May), 94% (252 sq. miles) fully met recreational uses and 1% (2.1 sq. miles) did not support recreational uses between 1995 and 1997 (Table 3.3b-1). A remaining 5% (14 sq. miles) did not have sufficient data necessary to make an assessment (Sublist 3). The region of nonsupport was in the Maurice River and Cove.

Of the 97 miles of tidal rivers assessed (Table 3.3b-2), 53 miles (55%) were assessed to be in full attainment, 44 miles were in non attainment (45%). Areas of non-support included Matawan, Waackaack, Chingarora and Luppataong Creeks, all tributaries to the Raritan Bay; and the lower Maurice River (see Fig. 3.3b-1).

As discussed in the Report on Marine and Coastal Water Quality, 1993-1997, levels of FC above background indicate the presence of FC sources in several waterbodies. (Zimmer and Groppenbacher, 1999). Additional work is needed to assess trends in FC concentrations and to evaluate potential threats to designated use attainment in these waterbodies.

Table 3.3b-1: Open Water Estuary Recreational Use Assessment Results

Use Support Status	Monitored Square Miles	Percent	Integrated List
Full Attainment	252	94%	Sublist 1
Insufficient Data	14	5%	Sublist 3
Non Attainment	2	1%	Sublist 5
Total	268	100%	

Table 3.3b-2: Tidal River Estuary Recreational Use Assessment Results

Use Support Status	Monitored River Miles	Percent	Integrated List
Full Attainment	53	55%	Sublist 1
Insufficient Data	0	NA	Sublist 3
Non Attainment	44	45%	Sublist 5
Total	97	100%	

Spatial Extent of Assessment for Estuarine Waters: Tidal rivers and back bays from Raritan Bay to the tip of Cape May and Maurice River and Cove (269 square miles). Raritan Bay was included because recreational uses were not assessed in the Interstate Sanitation Commission's 2000 Water Quality Inventory Report; Delaware Bay was not included because recreational uses were assessed in the Delaware River Basin Commission's 2000 Water Quality Inventory Report.

Table 3.3b-2: Ocean Recreational Use Assessment Results

Use Support Status	Monitored Square Miles*	Percent	Integrated List
Full Attainment	446	100%	Sublist 1
Insufficient Data	0	NA	Sublist 3
Non Attainment	0	NA	Sublist 5
Total	446	100%	

* Square miles are based upon the miles of linear coast line (Sandy Hook to Cape May) and out 3 nautical miles off-shore.

Ocean Waters

As shown on Table 3.3b-2, recreational designated uses were fully met in all ocean waters. A review of pollution sources did not identify any significant threats to sanitary quality in ocean waters. Thus of 446 square miles assessed, 100% fully met recreational designated uses between 1998 and 1999.

Estuarine and Coastal Recreational Designated Use Source and Cause Assessment

Although recreational designated uses were largely met in NJ estuarine and ocean waters, localized problems occur. The following provides a qualitative assessment of the sources fecal coliform where levels are above background levels.

Sources of FC that may affect NJ estuarine and ocean waters include:

- Municipal Stormwater and Runoff – there are over 7000 storm drains that discharge to river and bay estuarine waters. Stormdrains and overland runoff can be a source of FC pollution from pets and other wildlife. More stormdrains are installed each year as coastal areas are developed; runoff increases as impervious areas increase. Through NJ's Sewage Infrastructure Improvement Act Program, cross-connections and inter-connections with sanitary sewer lines have been investigated and largely corrected.
- Wildlife – congregations of seagulls are a suspected source of FC pollution in some areas.
- Sanitary discharges from boats – although boaters are encouraged to use pump-out stations and No Discharge Zones have been established in some areas, some sanitary discharge from boats probably still occurs.
- Municipal Sewage Treatment Plants – There are 15 municipal STPs that discharge to the ocean in NJ. Improvements in estuarine water quality occurred as coastal STPs were

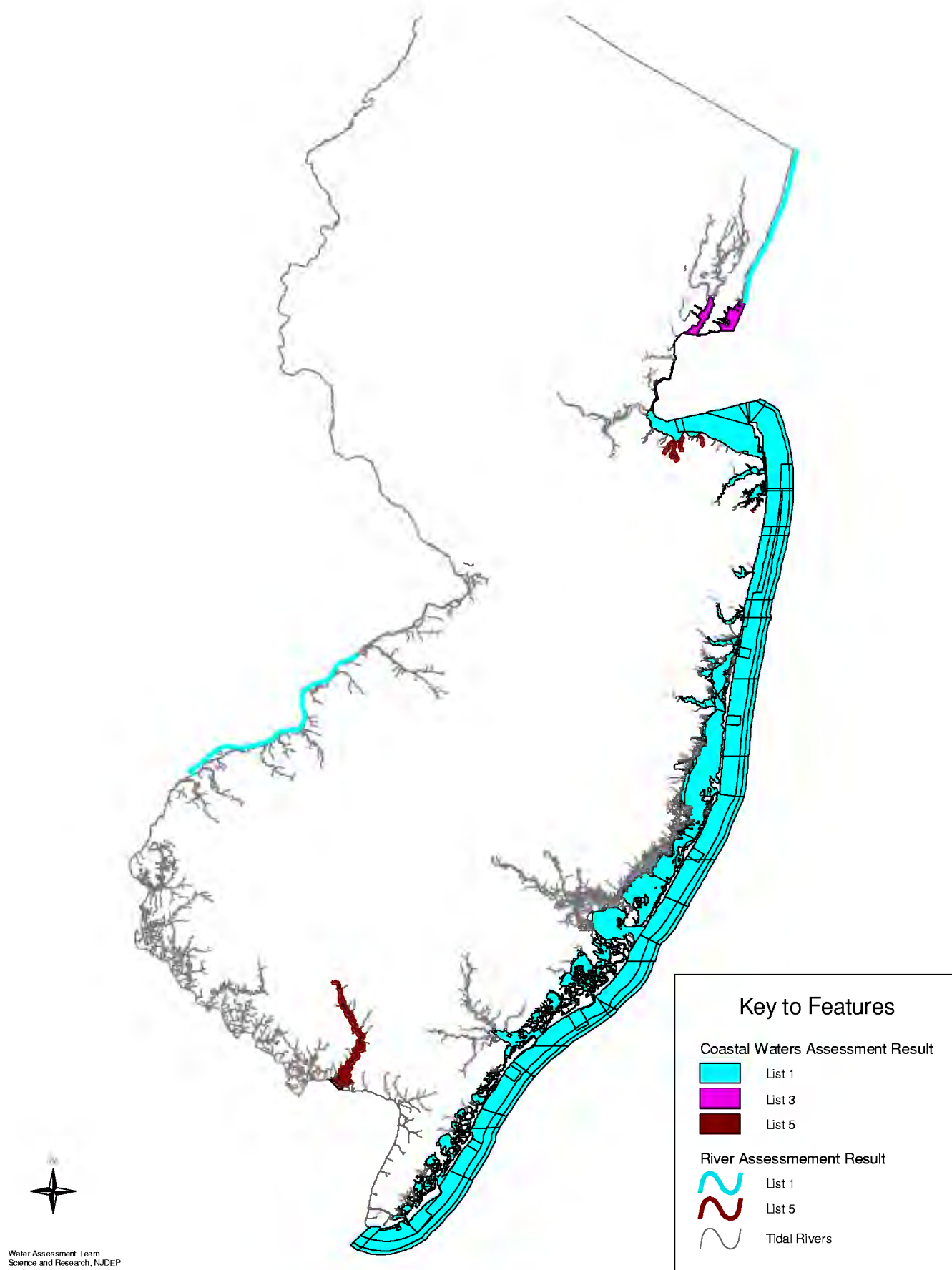
regionalized and upgraded in the 1980's. Although compliance with FC limits is generally very good, localized problems still occur. For example, sewer line blockage closed beaches in Atlantic City 6 times in 1999.

- Transport from Non-tidal Rivers - The sanitary quality of non-tidal rivers is poor, and recreational designated uses are largely not met in these rivers. Sources of FC pollution to non-tidal rivers include municipal stormwater and runoff, combined sewer overflows, sanitary sewer overflows, and wildlife (primarily geese).
- Possible downstream transport of fecal contamination from nontidal waters situated upstream.
- Transport from Lakes – Field investigations have revealed that lake outlets have lead to bathing beach closures.

Maintaining and Improving Recreational Designated Use Attainment in Coastal Waters

- The Department will continue to perform aerial surveillance of nearshore coastal waters which enables the routine evaluation of coastal water quality and the assessment of the nature and extent of ocean pollution. Six flights per week, excluding Wednesdays, include Raritan Bay, the Lower New York Bay, and the Atlantic coast from Sandy Hook to Barnegat Inlet. Flights on Thursdays and Sundays are extended to include the area from Barnegat Inlet to Cape May Point.
- As part of the New York-New Jersey Harbor Estuary Program Floatables Action Plan, flight activities are coordinated with the United States Environmental Protection Agency (USEPA) and the United States Army Corps of Engineers' effort to capture floating solid waste and debris, also known as floatables, with water-skimming vessels. Sources of floatables that have affected the State's coastal shores include stormwater outfalls, combined sewer overflows, operational landfills, and illegal dump sites. Surveillance flights continue to record a decrease in the quantity of floatables in the coastal waterways compared to the years prior to 1990.
- Through the development and implementation of TMDLs for FC pollution in rivers that flow to estuaries, reduction of FC from freshwaters is expected. This reduction is expected to have a positive influence on FC concentrations in coastal waters

FIGURE 3.3b-1. Recreational Designated Use Attainment Status in Coastal Waters and Tidal Rivers.



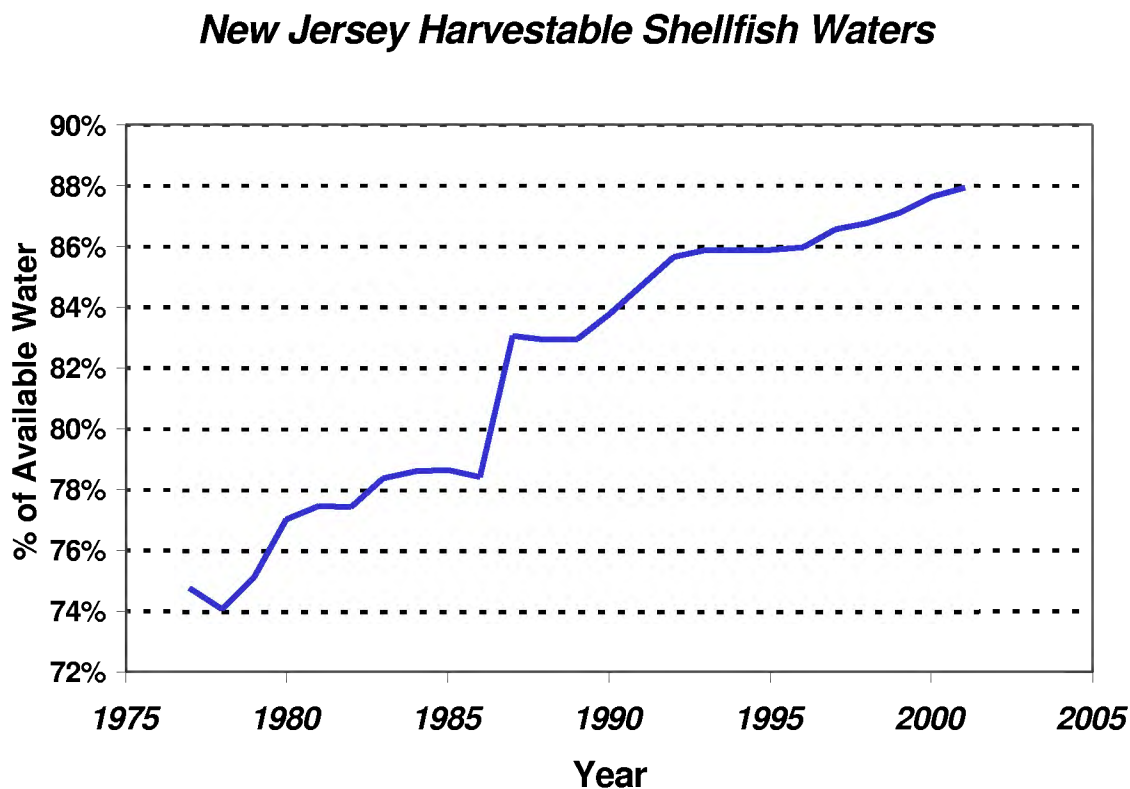
Section 3.3c: Shellfish Consumption Designated Use Assessment

The National Shellfish Sanitation Program (NSSP) collects data on the levels of total coliform in shellfish and waters that are harvested for shellfish. These data were used to develop the shellfish consumption portion of the fish and shellfish consumption designated use assessment. This network has not changed since the 1996 Water Quality Inventory Report.

The Department monitors the sanitary quality of estuarine and ocean waters by observing measurements of coliform bacterial concentrations (indicators of the presence of pathogens) in the water column and uses the results to classify bay, estuarine, and ocean waters for shellfish harvesting. The data are analyzed for compliance with federal standards. In addition, shoreline surveys and hydrographic tracing are performed to identify pollution sources. Monitoring is focused on areas with the potential for a harvestable shellfish resource. Details of the assessment methodology are outlined in Section 5.5 of the Methods Document.

New Jersey has been a national leader in maintaining and enhancing waters available for shellfish harvest. The shellfish waters that support harvesting have increased from 75% in 1977, to 87% in 1998 and 88% in 2000. (See Figure 3.3c-1).

Figure 3.3c-1. New Jersey Harvestable Shellfish Waters.



One of the major differences between the 1998 303(d) List and the 2002 List is that waterbodies designated as prohibited solely for administrative purposes are no longer automatically labeled impaired. Where existing surface water quality data exists, the actual water quality is used for the assessment. If no data exists then the waterbody is unassessed. For the 2002 Integrated List, areas around sewage treatment plants discharging to the ocean and designated as areas prohibited for the harvest of shellfish as a precautionary measure are listed as Full Attainment. Approximately 21 square miles have been removed from the Impaired List for this reason.

During the next listing cycle, the Department will continue to evaluate other administratively closed areas such as lagoons and docks. Tables 3.3c-1, 3.3c-2 and 3.3c-3 below summarize the assessment results for open water (ocean), back bay and tidal rivers, respectively. It should be noted that the results for the ocean and back bay areas are calculated in square miles while the tidal river assessment is calculated in river miles

Table 3.3c-1: Open Water Estuary Shellfish Consumption Designated Use Results

NSSP Classification	Monitored Square Miles	Percent	Integrated List
Approved or Administrative Prohibited with data showing compliance with SWQS	393	86%	Sublist 1
Non attaining, no TMDL needed	<1	<1%	Sublist 4
Prohibited with data showing non compliance with SWQS or Special Restricted or Seasonal	60	13%	Sublist 5
Prohibited with no data	<1	<1%	Sublist 3
Total Miles	453		

Table 3.3c-2: Back Bay Estuary Shellfish Consumption Designated Use Results

NSSP Classification	Monitored Square Miles	Percent	Integrated List
Approved or Administrative Prohibited with data showing compliance with SWQS	434	73%	Sublist 1
Prohibited with data showing non compliance with SWQS or Special Restricted or Seasonal	135	22%	Sublist 5
Prohibited with no data	30	2%	Sublist 3
Total Miles	599		

Table 3.3c-3: Tidal River Estuary Shellfish Consumption Designated Use Results

NSSP Classification	Monitored River Miles	Percent	Integrated List
Approved or Administrative Prohibited with data showing compliance with SWQS	29.488	3%	Sublist 1
Prohibited with data showing non compliance with SWQS or Special Restricted or Seasonal	858.319	97%	Sublist 5
Prohibited with no data	0		Sublist 3
Total	887.807	100%	

Shellfish Consumption Source and Cause Assessment

As part of *The 1995 National Shellfish Register* (NOAA 1997) NJDEP's Bureau of Marine Water Monitoring supplied information to NOAA on individual shellfish growing areas within state jurisdictional waters. They were also asked to identify the presence of twelve different sources of pollution including agricultural feedlots and Marinas grouped into three broader categories: point, nonpoint and upstream sources. In estuarine waters, marinas, boating, urban runoff and stormwater were identified as major contributing factors impacting shellfish. In Offshore/Ocean waters, direct discharges from ocean outfalls may present localized impacts and nonpoint source urban runoff continues to have a negative impact.

There has been a trend toward general improvement in water quality in the estuaries since the domestic waste discharges were relocated to offshore areas. In addition, many previously unsewered areas have become sewerred. There are still a few isolated instances where water quality is still adversely affected by input of inadequately treated domestic waste. Repeated overflows and bypasses from the Monmouth County Bayshore Outfall Authority in northern Monmouth County resulted in the prohibition of harvesting in the western portion of Raritan Bay which had previously allowed harvesting after treatment at a depuration facility or planting on a relay lot. A pump station in Margate has also had frequent problems with overflows.

Marinas have been identified as potentially affecting the suitability of shellfish growing areas. All confines of a marina are automatically designated as *Prohibited*. A buffer area may also be included in the *Prohibited* classification accounting for the size of the marina and the size of the boats. This is a precautionary measure similar to the buffer around sewage outfalls.

Recreational activities may also have a seasonal impact on these waters. In 1997, "No Discharge Zones" under the Clean Vessels Act were instituted in some areas such as the Manasquan River. The discharging of human waste from boats into the estuary/bays in these areas is prohibited. These requirements are expected to facilitate further improvements in water quality in the estuaries.

FIGURE 3.3c-1. Shellfish Monitoring Network.

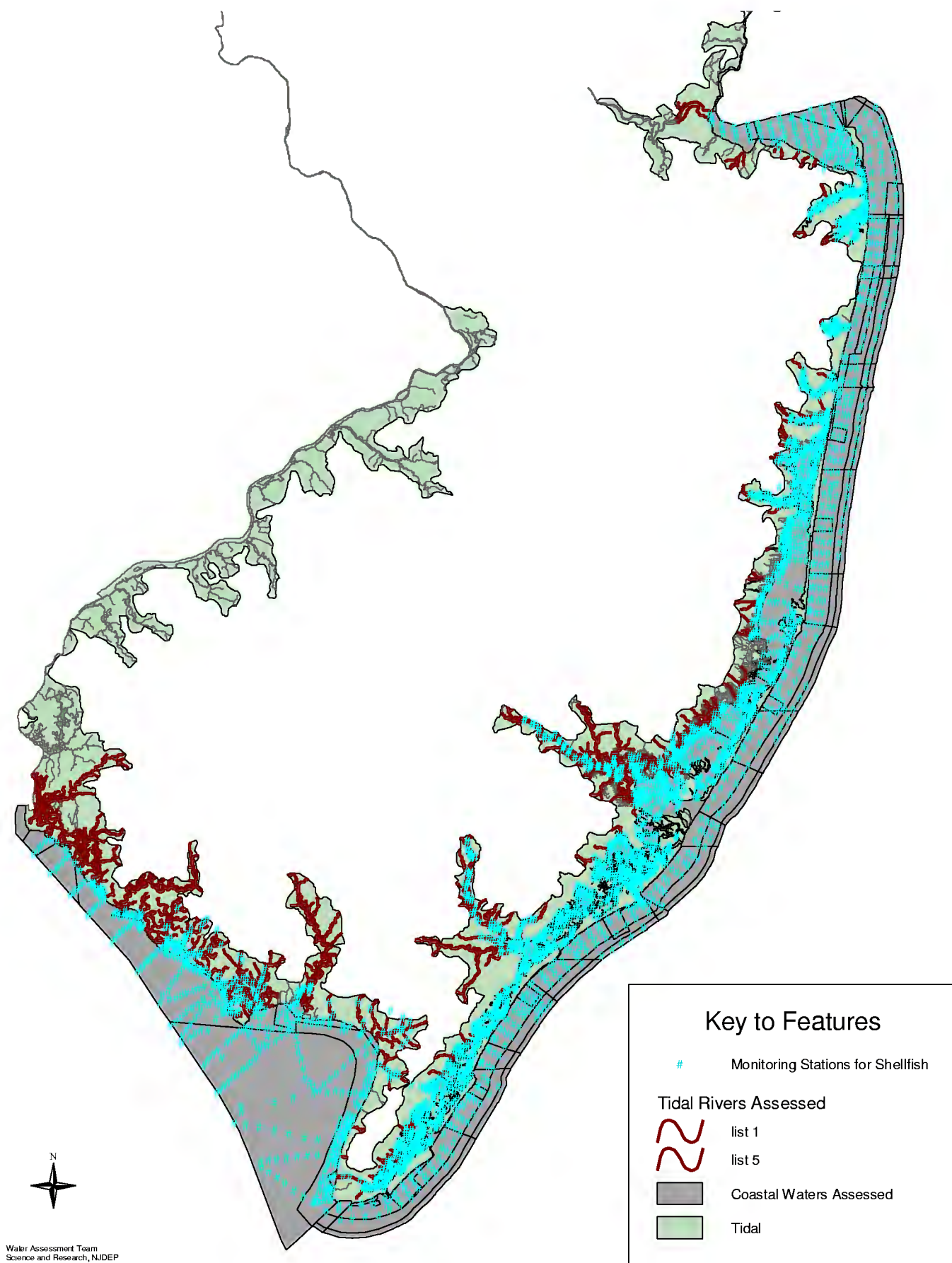
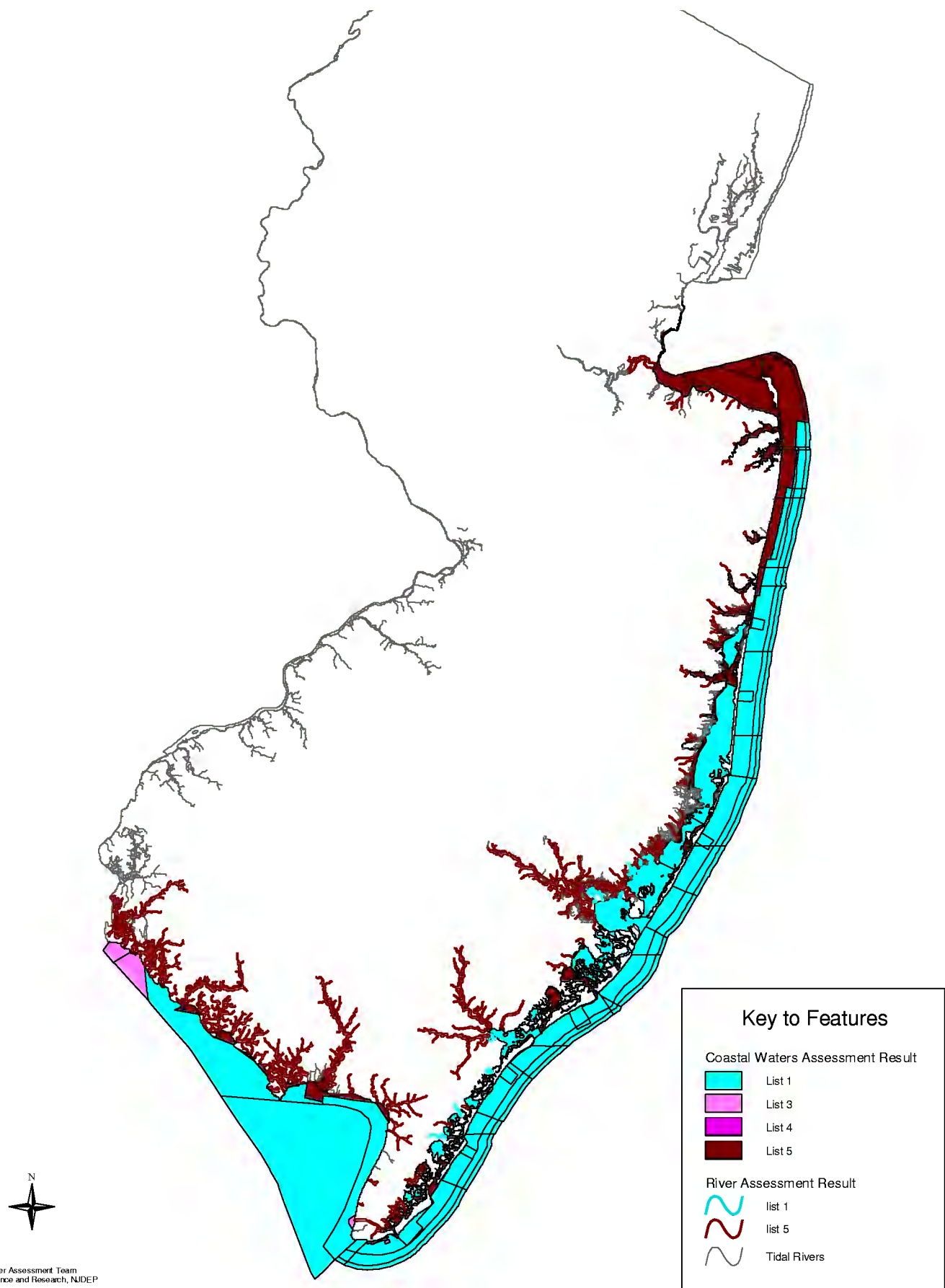


FIGURE 3.3c-2. Shellfish Assessment Status for Coastal Waters and Tidal Rivers.



Water Assessment Team
Science and Research, NIDEP

Section 3.3d: The Barnegat Bay, Land Use and Water Quality

The Barnegat Bay – Little Egg Harbor Estuary and surrounding watershed encompasses most of the 33 municipalities in Ocean County as well as four municipalities in Monmouth County. Although long recognized for its important aesthetic, economic, and recreational value, this backbay system is now affected by an array of human impacts that potentially threaten its ecological integrity.



The Barnegat Bay Estuary is a 75-square-mile environmentally sensitive estuarine system, consisting of aquatic vegetation, shellfish beds, finfish habitats, waterfowl nesting grounds, and spectacular vistas. This 660-square-mile watershed is now home for approximately 500,000 people, a population which more than doubles during the summer season. Moreover, the entire watershed has undergone dramatic growth since 1950. During the 1990s, the municipalities surrounding the bay reported population expansions that on average exceeded 20 percent. The development accompanying the increasing population growth has resulted in land use changing from principally undeveloped and agricultural to suburban. Boat traffic, including personal watercraft, has also significantly grown on the bay, raising concerns with respect to both use conflicts and the cumulative impacts on the bay's water quality.

The magnitude and intensity of different land uses in the Barnegat Bay watershed are having significant, and often degrading, effects. Surface and groundwater quality in the watershed are being degraded by nonpoint sources of pollution. The relationship between land use and water quality and quantity has been clearly established. It is generally recognized that the increase in impervious surfaces associated with development exacerbates this situation by reducing the opportunities for infiltration of water into the ground. Development also impacts the estuary's fisheries and other biological resources through nonpoint source pollution and habitat loss.

It is the cumulative impacts of everyday activities in the Barnegat Bay watershed that are slowly degrading the environmental quality of this sensitive ecosystem. An assessment of the estuary indicates that human activities in the watershed and estuary have led to measurable degradation of water quality, destruction of natural habitats, and reduction of living resources in the system.

Section 3.3e: Harmful Algal Blooms

Planktonic single celled algae are abundant in the coastal waters of New Jersey. Concerns are sometimes raised when populations of some algal species grow very quickly and undergo a "bloom." A bloom may accumulate into dense visible patches near the surface of the water or occur diffusely in the water column because of the density of concentration. When the algae subsequently die off and bring about depressed dissolved oxygen conditions, localized fish kills may result. A small number of species can also release toxic compounds to the water and cause mortality in fish, shellfish, render shellfish inedible and bring about bather discomfort and/or illness from inhalation of coastal water aerosols.

Of the many forms of algae present in New Jersey waters, two are currently of concern to the Department due to their potential to harm local fish, shellfish, and sea grass populations; one is *Aureococcus anophagefferens*, a minute (ca. 3 μ m) pelagophycean brown alga, which is responsible for "brown tide blooms" that may be ecologically harmful but not harmful to human health; the other is the non-photosynthetic dinoflagellate *Pfiesteria*, which has negative impacts to fish health.

Blooms of the brown algae *Aureococcus anophagefferens*, (brown tide) have not been well documented in New Jersey waters. In 1995, a brown tide bloom was first documented in Barnegat Bay that was associated with the reduction in growth of juvenile hard clams, *Mercenaria mercenaria*; a severe bloom followed in 1999. Because of the limited information regarding the presence of this algae in New Jersey and the potential for further blooms, the Division of Science, Research and Technology within the DEP established the Brown Tide Assessment Project in 1999 to assess the spatial and temporal occurrences of the blooms and identify environmental factors that may promote, sustain, and/or terminate the blooms. Since the inception of the Project, significant blooms (e.g., Category 3 and Category 2) have recurred from 2000-2002 in southern Barnegat Bay and Little Egg Harbor. In addition, brown tide blooms have occurred in Raritan Bay, northern Barnegat Bay, Great Bay, Great Egg Harbor Bay, and other coastal bays in this area. Many of these blooms are at levels that in other states have been observed to bring about severe negative impacts to shellfish and sea grasses. The actual impacts here in New Jersey are unknown and studies of the impacts of these blooms on natural resources are needed.

The *Pfiesteria* dinoflagellate is currently the subject of much debate within scientific circles. These organisms can be free swimming in the water column and also remain dormant in bottom sediments in certain areas of marine estuaries (back bays and tidal tributaries). Of concern in New Jersey are two species, *Pfiesteria piscicida* and *Pfiesteria shumwayae*. *Pfiesteria* appears to be a natural part of the marine environment and under normal conditions is not a concern. However, some strains of *Pfiesteria*, under certain environmental conditions, are able to prey upon and kill fish and other marine animals by means of attaching themselves to the exterior of the host fish and becoming associated with severe epidermal lesions that eventually prove fatal to the host. There is also the possibility that *Pfiesteria* may induce fish-kills through the release of toxic chemicals into the surrounding water as well.

In response to these concerns the NJDEP's Division of Science, Research and Technology collected a series of water column and sediment samples from 35 estuary sites in NJ in 1999 and 2000 for evidence of *Pfiesteria piscicida*, *Pfiesteria shumwayae*, and *Cryptoperidiniopsis* (a close relative of *Pfiesteria*). Evidence of *Pfiesteria piscicida* was found in the Tuckahoe River in 1999, specifically at 3 sites near Corbin City. In addition, the Department has put into place a *Pfiesteria* Contingency Plan for New Jersey waters. The plan was developed by personnel from NJDEP and the NJ Department of Health and Senior Services and will be used by the two agencies to protect the public and state sampling personnel in the event that a fish kill occurs in which there is evidence that *Pfiesteria* may be involved.

Chapter 4: Fish Advisories, Program Updates, and Monitoring Schedule

4.1 Fish Consumption Advisories

As far back as 1976, NJDEP instituted a comprehensive program to survey possible contamination of fish and shellfish in New Jersey waters. Although some contaminated fish and shellfish species in certain drainages have been identified (See Tables 4.1a,b below) most fish species and waterways in New Jersey do not have fish consumption advisories. Original efforts (Belton 1982) evaluated a broad spectrum of fish including species of recreational and commercial importance as well as species used as ecological indicators. Sampling locations included all major drainage basins, locations containing known or suspected sources of PCB contamination or locations important to recreational and commercial fisheries. These initial results showed PCB contamination to be present only in certain species of fish with fatty edible tissue (e.g., striped bass, bluefish, American eel) whereas other important recreational and commercial foodfish were not contaminated (e.g., summer and winter flounder, weakfish, smallmouth and largemouth bass, perch, carp, etc.). Saltwater and migratory species (e.g., eel) tended to have higher concentrations than freshwater species. In addition, most waterways of the state did not have contaminated fish whereas certain geographical areas with a few species showed levels of concern apparently due to localized sources. Subsequent monitoring activities were then targeted at these species and drainages.

This comprehensive approach followed by intensive localized monitoring was used again in the late 1980s when dioxins in fish became an environmental and health concern (Belton 1985), as well as, in the 1990s when mercury in finfish was discovered and health advisories posted (NJDEP 1994). In general, concentrations of various persistent chemical contaminants are often highest in animals at the top of the food chain (e.g., apex fish and wildlife species), and fish from a number of sites around the state have been shown to contain contaminant concentrations above both federal and/or state thresholds. Identification of these findings prompted NJDEP and the Department of Health and Senior Services to issue health advisories on the consumption of several species of fish throughout the state targeted at specific waterways. Some species which are migratory (e.g., American eel) that pick up PCBs downstream in urban areas and then migrate upstream were given “Statewide” consumption advisories (i.e., even though fish were only analyzed from the estuaries) to conservatively protect fishermen/consumers upstream even though the contamination did not necessarily reflect local sources or conditions of water quality. These advisories are routinely listed at the NJDEP Website (i.e., www.state.nj.us/dep/fgw) and in the New Jersey Fish and Wildlife Digests (NJDEP 2000a and NJDEP 2000b).

From the perspective of “fishable waters,” some of these listed waterways may have fish perfectly suitable for recreational purposes (i.e. based on Fish and Game Rules: (NJDEP 2000a and b), and/or safe to eat (i.e., based on health advisory information: NJDEP 2000a and b), or contaminated but subject to common catch-and-release programs. Tolerant species such as carp may live in degraded waters at safe levels of contamination and therefore satisfy both public health and aquatic life concerns. Individual Fish consumption advisories are listed in Tables 4.1a,b below.

We must recognize that using fish consumption advisories as indicators of local water quality is somewhat problematic. That is, assigning a waterway where contaminated fish may have been

caught (using a sampling/assessment methodology designed to evaluate impacts to consumers) may not be directly correlated with water quality degradation in a specific stream reach. In addition, finfish, within certain limitations, are extremely mobile making associations with sources and causes often tenuous. Also, differing specie physiology and contaminant properties (e.g. only fatty muscle accumulates organochlorides) may result in only certain fish within a waterway presenting public health concerns whereas other fish are completely safe to eat.

NJDEP participates in an Interagency Toxics in Biota Committee (TIBC) that focuses on toxic contamination in fish tissue that may be of concern to human health. As funds are available, NJDEP's Division of Science, Research and Technology conducts research projects to evaluate levels of contaminants in fish, shellfish, and crustacea. As needed, fish consumption advisories are developed through the TIBC to protect human health.

New Jersey is one of 33 states that have enacted fish consumption advisories in response to mercury contamination. These consumption advisories have been issued for species consumed by recreational anglers (chain pickerel and largemouth bass), not commercially available species. Drinking water supplied from the affected waters has been tested and shown to be safe because the mercury resides primarily in sediments and aquatic life.

New Jersey shares jurisdictional waters with New York in the northern watersheds and Delaware/Pennsylvania in the south. Extensive cooperation and peer-reviews between states occurs in data analysis and in the formulation of each state's fish consumption advisories. These primarily affect national estuarine areas (NY-NJ Harbor Estuary and Delaware Estuary). For example in the Delaware Estuary, NJDEP, after reviewing the risk-based consumption advisories developed by Delaware's DNREC, amended its own Fish and Game guidance (NJDEP 2000 a and b) for Delaware Bay waters to reflect the same guidance for Delaware anglers.

In marine waters NJDEP has been instrumental in developing coastwide fish-consumption advisories for bluefish an important recreational/commercial species, which is migratory from Florida to Maine. In 1986, after announcing NJ consumption advisories, NJDEP in conjunction with all the Atlantic States Environmental and Health Departments organized, designed and successfully sought federal funding for a coastwide bluefish study. The study performed by NOAA and EPA showed that contaminated bluefish posed the same consumer risk no matter where they were caught in any Atlantic State jurisdiction. Individual states followed with regulatory risk analyses and consumption advisories consistent with New Jersey's

Application of the results of these studies to designated use attainment must be done with caution due to the following issues:

- Fish tissue monitoring is complex and expensive, hence, studies are often conducted only where fish tissue contamination issues is suspected and commercial or recreational fishing occurs. Therefore, a statewide overview of the magnitude and severity of this problem is not discernable from the data set.
- Fish are mobile animals and may have become contaminated in New Jersey waters or elsewhere.
- Pollution sources may be local (e.g., chlordane) or primarily transported from other states (e.g., mercury).

- Fish consumption advisories include provisions to protect sensitive populations (e.g., pregnant women, nursing mothers, small children).
- Several fish advisories are based on data that are more than 10 years old. A study is underway to collect current data to update and revise these advisories as appropriate.

4.1a Current Status

The Department has issued statewide advisories for American eel, bluefish, striped bass, and American lobster for PCB contamination. Additional advisories in certain areas have been issued for white perch and white catfish for PCBs and blue crabs and shellfish for PCBs and/or dioxin. Table 4.1.1 lists the additional advisories for specific waterbodies. The Department has also issued mercury advisories in freshwater for largemouth bass and chain pickerel. The exceptions include, but are not limited to: Assunpink Creek, Big Timber Creek, Lake Hopatcong, and Cranberry Lake. The complete list of exceptions to this advisory are noted in Table 4.1.2.

Fish consumption advisories that apply to New Jersey waters are summarized in the following Tables 4.1-1 and 4.1-2.

Table 4.1-1: Fish and Crab Advisories Based On PCBs, Dioxin or Chlordane Contamination

LOCATION/ SPECIES	POLLUTANT	ADVISORY/PROHIBITION	
		General Population	High Risk Individual ¹
NEW JERSEY-STATEWIDE			
Note: local advisories may be more specific for the same species.			
American eel	PCBs	do not eat more than once a week	do not eat□
Bluefish (over 6 lbs.)	PCBs	do not eat more than once a week	do not eat
Striped bass*	PCBs	consumption advisories vary by area; see below	consumption advisories vary by area; see below
American lobsters	PCBs	do not eat green glands (hepatopancreas)	do not eat green glands
NEWARK BAY COMPLEX			
Newark Bay, Hackensack River downstream of Oradell Dam, Arthur Kill, Kill Van Kull, tidal portions of all rivers and streams that feed into these water bodies.			
Striped bass*	PCBs/Dioxin	do not eat	do not eat
American eel	PCBs	do not eat more than once a week	do not eat
Blue crab*	PCBs/Dioxin	do not eat or harvest ²	do not eat or harvest ²
Bluefish (over 6 lbs.), white perch, white cat fish	PCBs	do not eat more than once a week	do not eat
NEWARK BAY COMPLEX			
Passaic River downstream of Dundee Dam and streams that feed into this section of the river.			
all fish and shellfish*	Dioxin	do not eat	do not eat
Blue crab *	PCBs/Dioxin	do not eat or harvest ²	do not eat or harvest ²

LOCATION/ SPECIES	POLLUTANT	ADVISORY/PROHIBITION	
		General Population	High Risk Individual ¹
HUDSON RIVER			
Hudson River includes the river downstream of NY-NJ border (about 4 miles above Alpine, NJ			
American eel *	PCBs	Do not eat more than once a week	Do not eat
Striped bass *	PCBs	Do not eat more than once a week	Do not eat
Bluefish (over 6lbs.) white perch and white catfish	PCB	Do not eat more than once a week	Do not eat
Blue crab	PCBs/Dioxin	Do not eat green gland (hepatopancreas) ³	Do not eat green gland ³
RARITAN BAY COMPLEX			
This complex includes the New Jersey portions of Sandy Hook and Raritan bays, the tidal portions of the Raritan River (downstream of the Rte. 1 bridge in New Brunswick) and the tidal portions of all rivers and streams that feed into these water bodies.			
Striped bass *	PCBs	Do not eat more than once a week	Do not eat
Bluefish (over 6 lbs.), white perch and white catfish	PCBs	Do not eat more than once a week	Do not eat
Blue crab	PCBs/Dioxin	Do not eat green gland (hepatopancreas) ³	Do not eat green gland (hepatopancreas) ³
NORTHERN COASTAL WATERS			
This area includes all coastal waters from Raritan bay south to the Barnegat Inlet.			
Striped bass *	PCBs	Do not eat more than once a week	Do not eat
CAMDEN AREA			
This area includes Strawbridge Lake, Pennsauken Creek (north and south branches), Cooper river and its drainage, Cooper River Lake, Stewart Lake and Newton Lake.			
All fish, shellfish and crustaceans *	Chlordane	Do not eat	Do not eat

LOCATION/ SPECIES	POLLUTANT	ADVISORY/PROHIBITION	
		General Population	High Risk Individual ¹
LOWER DELAWARE RIVER & BAY			
Delaware River from Yardley, PA to the PA/DE border			
American eel	PCBs, Chlordane	Do not eat	Do not eat
LOWER DELAWARE RIVER & BAY			
Delaware River from Yardley, PA (across from Ewing Twp., NJ) south to the Chesapeake and Delaware Canal			
Channel catfish *	PCBs,	Do not eat	Do not eat
White catfish	Chlordane	Do not eat	Do not eat
White perch		Do not eat	Do not eat
LOWER DELAWARE RIVER & BAY			
Lower Delaware River includes the river between the PA Turnpike Bridge (I-276 bridge) in Burlington Twp. (Burlington County) and Birch Creek in Logan Twp. (Gloucester County about 2 miles below Commodore Barry Bridge			
Channel catfish *	PCBs, Chlordane	Do not eat	Do not eat
Lower Delaware River & Bay			
Delaware River from the DE/PA border south to the Delaware and Chesapeake Canal			
Striped bass *	PCBs	Do not eat	Do not eat
Lower Delaware River & Bay			
Delaware River from the Chesapeake and Delaware Canal (across from Salem, NJ) south to mouth of the Delaware Bay			
Striped bass *	PCBs	Do not eat more than five 8-ounce meals per year	Do not eat more than 3 4- ounce meals per year
Channel catfish			
White catfish			

* Selling any of these species from designed water bodies is prohibited in New Jersey.

¹ High-risk individuals include infants, children under the age of 15, pregnant women, nursing mothers and women of childbearing age. They are advised not to eat any such fish or crabs taken from the designated regions since these contaminants have a greater impact on the developing young.

² No harvest means no taking or attempting to take any blue crabs from these waters.

³ Interim recommendation based on research showing elevated levels of chemical contaminants in the blue crab hepatopancreas also called the green gland.

Table 4.1-2: Consumption Advisories for Mercury for Largemouth Bass and Chain Pickerel from New Jersey Freshwaters

Location	Species	Advisory + General Population	Advisory + High-Risk Individual*
New Jersey Statewide			
For all freshwater bodies (except those listed below)	Bass and pickerel	do not eat more than once a week	do not eat more than once a month
Pinelands Area			
For all water bodies (except those listed below)	Bass and pickerel	do not eat more than once a month	do not eat
Site-Specific Pinelands			
Lake Lenape	Bass Pickerel	do not eat more than once a week do not eat more than once a week	Do not eat do not eat more than once a month
Mirror Lake	Bass Pickerel	No restrictions No restrictions	do not eat more than once a month do not eat more than once a week
Stafford Forge	Bass Pickerel	do not eat more than once a month do not eat more than once a week	Do not eat Do not eat
Wading River	Bass Pickerel	do not eat more than once a month do not eat more than once a week	Do not eat Do not eat
Site-Specific Statewide			
Assunpink Creek	Bass Pickerel	No restrictions Do not eat more than once a week	Do not eat more than once a week Do not eat more than once a month
Atlantic City Reservoir – No Fishing Allowed	Bass Pickerel	Do not eat Do not eat	Do not eat Do not eat
Big Timber Creek	Bass Pickerel	No restrictions do not eat more than once a week	do not eat more than once a week do not eat more than once a month
Canistear Reservoir	Bass Pickerel	do not eat more than once a week do not eat more than once a week	Do not eat Do not eat more than once a month
Clinton Reservoir	Bass Pickerel	do not eat more than once a week do not eat more than once a week	do not eat do not eat more than once a month
Cranberry Lake	Bass Pickerel	do not eat more than once a week No restrictions	do not eat more than once a month do not eat more than once a month
Crosswicks Creek	Bass Pickerel	No restrictions do not eat more than once a week	do not eat more than once a week do not eat more than once a month
Crystal Lake (Burlington County)	Bass Pickerel	No restrictions Do not eat more than once a week	do not eat more than once a week do not eat more than once a month
Delaware River (Easton to Trenton)	Bass Pickerel	No restrictions Do not eat more than once a week	do not eat more than once a month do not eat more than once a month
Delaware River (Trenton to Camden)	Bass Pickerel	No restrictions do not eat more than once a week	do not eat more than once a week do not eat more than once a month
Lake Carasaljo	Bass Pickerel	do not eat more than once a week No restrictions	Do not eat do not eat more than once a month

Location	Species	Advisory + General Population	Advisory + High-Risk Individual*
Lake Hopatcong	Bass Pickerel	No restrictions No restrictions	do not eat more than once a month do not eat more than once a month
Manasquan Reservoir	Bass Pickerel	do not eat more than once a month do not eat more than once a week	Do not eat do not eat more than once a month
Merrill Creek Reservoir	Bass Pickerel	do not eat more than once a week do not eat more than once a week	Do not eat do not eat more than once a month
Monksville Reservoir	Bass Pickerel	do not eat more than once a week do not eat more than once a week	Do not eat Do not eat more than once a month
Rockaway River	Bass Pickerel	do not eat more than once a week No restrictions	Do not eat more than once a month Do not eat more than once a month
Round Valley Reservoir	Bass Pickerel	No restrictions do not eat more than once a week	do not eat more than once a month do not eat more than once a month
Shadow Lake	Bass Pickerel	No restrictions do not eat more than once a week	do not eat more than once a week do not eat more than once a month
Spruce Run Reservoir	Bass Pickerel	No restrictions do not eat more than once a week	do not eat more than once a month do not eat more than once a month
Swartwood Lake	Bass Pickerel	Do not eat more than once a week No restrictions	do not eat more than once a month do not eat more than once a week
Union Lake	Bass Pickerel	do not eat more than once a month do not eat more than once a month	Do not eat Do not eat
Wanaque Reservoir	Bass Pickerel	do not eat more than once a week do not eat more than once a week	Do not eat Do not eat
Wilson Lake	Bass Pickerel	do not eat more than once a week do not eat more than once a week	Do not eat more than once a month Do not eat
Woodstown Memorial Lake	Bass Pickerel	No restrictions do not eat more than once a week	do not eat more than once a month do not eat more than once a month
Notes: + One meal is defined as an eight-ounce serving. <ul style="list-style-type: none"> • High risk individuals are pregnant women, women planning pregnancy within one year, nursing mothers and children under five years old. • The Bound Brook and New Market Lake became contaminated from releases of the Cornell Dublier Electronics Superfund Site, located about one-mile upstream of the lake, resulting in contaminated sediments and fish. In 1997, the Department issued a ban on consumption of any fish from the Bound Brook and New Market Lake. The ongoing remediation of this site is being managed by the USEPA. 			

Data Development and Risk Assessment Needs

As stated above, state issued advisories relative to PCB's and chlorinated pesticides are based on data that are over five years old and fish tissue contamination data have not been collected from all waterbodies or species that are consumed by New Jersey recreational and commercial anglers. Funding to address these data gaps and routinely update advisories as needed has not been available for several years. In FY 1999 and FY 2000, a one-time special NJ investigation of chemical contamination in the state's fisheries will be performed including those marine and estuarine fish, shellfish, and freshwater fish under current fish consumption advisories. The results of this study will be used to update existing advisories or if necessary develop new advisories. In addition, the data generated will also assist the NJDEP to evaluate trends in contaminant concentrations of these selected species. In concordance with this status and trends

monitoring, a stable source of funding should be identified to support this important public health and aquatic life indicator.

Development of a more comprehensive health assessment of contaminants in fish species that are consumed by New Jersey anglers is a significant risk assessment need. Recent data from EPA on new risk factors for some chemicals of concern as well as the use of Toxic Equivalent Factor (TEQ) approaches towards assessing cumulative risk from more congeners of PCBs and dioxins may be indicated.

Several environmental factors influence patterns of chemical bioaccumulation, including the age, lipid content, species of fish and a variety of water quality parameters (e.g., pH, dissolved organic carbon, calcium, etc.). Improved understanding of how these factors interplay will enhance our ability to predict spatial patterns of contamination, and thus the development of appropriate advisories and contaminant management measures.

Identifying Sources of Chemical Contamination

The results of ongoing studies will be used to evaluate the basis for existing fish consumption advisories, evaluate risks associated with contamination, and identify sources of toxic contamination. Efforts to address significant data gaps will be conducted, as resources become available. There are numerous suspected sources of toxic chemicals that bioaccumulate in fish and shellfish, including historical and current sediment contamination, air deposition, combined sewer overflows, municipal stormwater, agricultural -runoff and various point source discharges. In order to reduce contamination in fisheries and therefore reduce the need for consumption advisory levels, environmental contamination must be reduced. Identification of specific sources of toxic contamination and data regarding the relative contribution of each source is the first step toward appropriate management.

During the process of posting fish advisories, NJDEP continuously looks for localized or downstream sources of contamination. In both the Delaware Estuary and the Harbor Estuary Programs, NJDEP is currently developing Pilot Studies for Source Trackdown using GIS-based data searches (Belton and DeFina 2000) and bald eagles (Niles et al. 2000) as bioindicators of PCB contamination. In other waters, NJDEP also participates in the trackdown of un-permitted discharges of contaminants in conjunction with the Department's land use regulation program (e.g. CSO Sampling workplans, enforcement follow-up, etc.).

Air deposition is a likely source for significant loads of some bioaccumulative contaminants (e.g., mercury, PCBs, etc.). To investigate and track these sources, NJDEP has established the New Jersey Atmospheric Deposition Network (NJADN) through Rutgers University to monitor nine stations statewide for air toxics. These data will support evaluation of multi-media transport mechanisms useful in understanding certain sources of bioaccumulation (e.g., a major sources of mercury causing NJ fish advisories are coal fired power plants in the Ohio River valley). To address these sources, NJDEP is participating in litigation to reduce stack emissions of metals from these out-of-state power plants. NJDEP also organized an *Air-Water Deposition Workshop* held in April of FY 2000 to review existing air-water data and to address how these data can be used to develop air-water science-based management strategies (report due out in Fall 2000). It was noted that water-based TMDLs supply a mechanism to limit permitted sources to

waterbodies and that the Clean Air Act's "Great Waters Program" allow agencies to seek regulatory action against air emission sources through stack permit/controls if links are found between the two media. In addition, NJDEP is participating in multi-state TMDL modeling efforts (i.e., DeLEP and HEP) to link hydrological transport models with air, water, and sediment data inputs and with subsequent outputs to a food chain transport model (i.e., bioaccumulation).

Maintaining and Improving Aquatic Life and Addressing Public Health Concerns

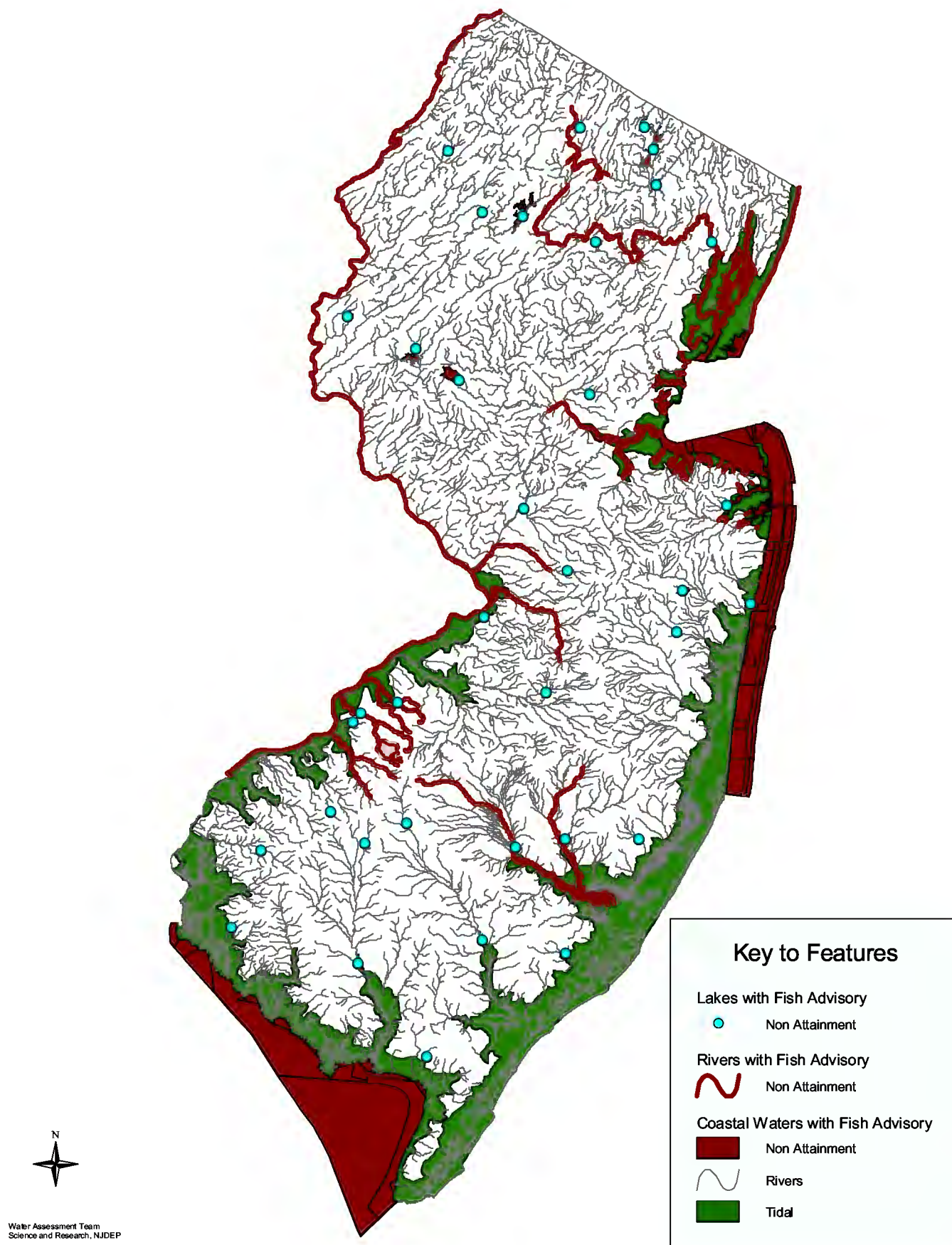
Improve the basis for fish consumption advisories: New bioaccumulation data sets will be developed based on recent sampling events to evaluate the status of existing advisories. Additional studies of fish and shellfish population data, water/sediment chemistry will be collected and collated to evaluate/improve sampling study designs, update advisories and provide public education:

Continue to monitor for sources: NJDEP is currently developing Pilot Studies for Source Trackdown using GIS-based data searches and bald eagles and bioindicators for bioaccumulated contaminants. NJDEP will also participate in the trackdown of un-permitted discharges of contaminants in conjunction with the Department's land use regulation program (e.g. CSO Sampling workplans, enforcement follow-up, etc.).

Monitor and assess air deposition sources: Air deposition is a likely source for significant loads of some bioaccumulative contaminants (e.g., mercury, PCBs, etc.). To investigate and track these sources, NJDEP has established the New Jersey Atmospheric Deposition Network (NJADN) to evaluate air data to support evaluation of multi-media transport mechanisms useful in understanding certain sources of bioaccumulation. In addition NJDEP is participating in multi-state TMDL modeling efforts (i.e., DeLEP and HEP) to link hydrological transport models with air, water, and sediment data inputs and with subsequent outputs to a food chain transport model (i.e., bioaccumulation).

Stable sources of funding: Funding to address data gaps and routinely update fish consumption advisories has not been available for several years. In fiscal year 1998 a one-time special NJ appropriation was established for NJDEP allowing a selective reassessment via new monitoring in FY1999 and FY2000. A continuous stable source of funding to maintain the State's monitoring of fish and waterways impacted by consumption advisories should be established.

FIGURE 4.1-1. Fish Consumption Advisories in Rivers, Lakes, Estuarine, and Ocean Waters.



4.1b New Jersey Mercury Task Force

The Department convened its first Mercury Task Force in 1993. This Task Force recommended a stringent reduction in mercury emissions from municipal solid waste (MSW) incinerators, which were subsequently implemented by NJDEP and resulted in a 90 percent reduction from this source category. The second Task Force convened in 1998, triggered by a concern that additional significant sources existed and that energy deregulation would increase the mercury emissions from Midwestern power plants potentially resulting in increased mercury deposition in New Jersey.

The task force report indicates that air deposition (wet and dry) is the most significant source of environmental mercury followed by water born sources such as point source discharges of wastewater, nonpoint sources such as septic tank leachate, and sludge application.

The 1998 Mercury Task Force advocated a long range goal of the virtual elimination of anthropogenic sources of mercury. Towards this goal, a two step milestone of a 75% reduction in air emissions below estimated 1990 levels by 2006 and an 85% reduction below 1990 levels by 2011 was recommended. The Task Force reviewed all local and regional mercury sources and New Jersey is looking for reductions in all sources as practicable. New Jersey expects this effort to result in the attainment of water quality standards given the scientific and quantitative basis of the current recommendations combined with the successful track record of the implementation of the primary recommendation of the first Mercury Task Force.

New Jersey expects the implementation of these recommendations will make large contributions to reducing mercury uses and emissions and this will in turn lead to reductions in mercury body burdens in fish. Evidence from studies conducted in Florida indicate that reducing air emissions can lead to reductions of mercury in fish tissue over a relatively short time period.

The broad range of recommendations made by the task force include both enforceable and voluntary actions. Of enforceable actions, New Jersey is in the process of implementing Task Force emission reduction recommendations for new emission rules for iron and steel manufacturing, coal combustion, medical waste incineration, hazardous waste incineration and additional controls on municipal solid waste incineration. New Jersey is also reviewing its enforcement policy regarding emission limits already in effect pursuant to permits for individual iron and steel manufacturing facilities.

In addition, the Task force recommended that the Department develop and improve environmental indicators of the impact of mercury on New Jersey's environment including measures that can be used to determine over time the effectiveness of additional emission reduction efforts. Other measures implemented by the Department in response to the Task Force include the following:

- The Department is currently expanding routine monitoring for mercury in fish from New Jersey waters and identifying stable funding source to maintain the network.
- The Appliance and Vehicle Mercury Switch Removal Project, currently underway, will use an EPA grant, financial and in-kind contributions from the automobile recycling, and shredding industries to do a pilot project to investigate the effort of removing mercury

switches from autos and recommending how to develop a regional system for removing mercury switches from the recycled metals stream.

- The Department is developing a mercury outreach and reduction program targeted at the general public regarding the use and proper disposal/recycling of mercury-containing products and their environmental impacts.

The Report of the Mercury Task Force can be viewed on the web at http://www.state.nj.us/dep/dsr/mercury_task_force.htm

The Department initially assigned waters with mercury advisories to Sublist 4B of the Integrated List in its Draft for public notice in May of 2002. In the Department's view, these lakes do not require TMDLs because other pollution control requirements, specifically the implementation of selected Mercury Task Force Recommendations, are reasonably expected to result in attainment of water quality standards. After much discussion with EPA, New Jersey has moved these waters to Sublist 5 with a low priority ranking. The Department will wait for an EPA-sponsored national mercury policy before reconsidering its listing policy regarding mercury advisories and their placement on the Integrated List.

Section 4.2a: Progress In Watershed Restoration And Protection

Introduction

This section describes some of the activities and progress being made to restore and protect water quality in New Jersey by the Department. Towards the goal of water management, the Department maintains several programs including the Watershed Management Program, the Green Acres Program, the Environmental Infrastructure Program and the Section 319(h) grant Program. The ultimate goal of watershed management is to provide comprehensive watershed management that will address water resources issues and protect water quality, water quantity and ecosystem health.

The *Watershed Management Program* address this process through stakeholder groups that develop a shared vision of the watershed, assess current conditions and water quality, delineate goals, and develop and implement strategies to meet these goals. *The Green Acres Program* acquires land for recreation, open space and conservation. Between July 1, 1999 and June 30, 2002, the Green Acres Program acquired 58,650 acres. The *Environmental Infrastructure Program* also provides loans to acquire lands to protect water resources. This program funded the acquisition and protection of an additional 2,028 acres. While these funding sources focus on protecting water quality, the Department utilizes *Section 319(h) grants* to restore water quality. Section 4.2a provides detailed descriptions of these four programs and delineates projects funded through these efforts.

Watershed Management Program

As stated earlier, the ultimate goal of watershed management generically is to provide a comprehensive watershed management plan for each of 20 Watershed Management Areas (WMA) (see Figure II-1, in Part II of this Report) that will, at a minimum, identify strategies to address watershed restoration and management to protect water quality, water quantity and ecosystem health.

The formal Watershed Management Program itself accomplishes this through the efforts of diverse stakeholder groups by developing a shared vision of the watershed, assessing current conditions and water quality, delineating goals, and developing strategies to meet these agreed upon goals, then implementing the strategies. Currently, through the Program, the watershed management process is taking place in all 20 WMAs of the state. The overall effort relies upon measurable goals and objectives and indicators of success. Through the Watershed Management Process, criteria for Open Space acquisition to protect water resources have been developed.

A note on terminology; the Watershed Management Program has initiated a series of local activities which are referred to by the terms “**action now projects**” and the “**dot strategy**.” The former represent remediation projects whereby the sources of impairment are obvious and no study or characterization is necessary to identify it. Corrective action can be taken immediately. The latter refers to efforts to determine the source of impairment to the State’s biological monitoring locations (dots on a map) that are assessed as impaired. It is hoped that in some cases the causes of impairment can be identified and corrective action taken to render the impaired sites non-impaired. Another frequently mentioned acronym is “**TMDL**,” which stands for Total Maximum Daily Load. This is an analysis to determine the quantity of a pollutant that can enter a waterbody and not cause a violation of a water quality standard. The analysis is used to determine the relative significance of various pollutant sources to water impairment and develop targets for pollutant reductions.

Within the context of the Watershed Management Program, the Department operates the **Watershed Ambassadors Program** (Ambassadors) through AmeriCorps. The Ambassadors addresses the diverse environmental needs of the State by raising awareness about the status of the State’s watersheds. The program strives to work with all sectors of society to improve the quality of New Jersey’s by exploring the relationships between people and the environment, nurturing community-based environmental activities and empowering residents to make responsible and informed decisions regarding their watershed. The Department has hired 20 AmeriCorps members and assigned each to one of the 20 watershed management areas. Through this program, the members assist the Department in monitoring the rivers of New Jersey through River Assessment Teams (RATS) and Biological Assessment Teams (BATS) volunteer monitoring programs. The members also train community volunteers to assist in these monitoring programs. Through audio-visual presentations, the members provide information and education to community organizations and schools, in order to have an informed citizenry about water and watershed issues in New Jersey.

Watershed Management Area 1

The Upper Delaware Watershed Management Area includes portions of Sussex, Morris, Hunterdon and all of Warren Counties and all or parts of 54 municipalities and encompasses 746 square miles. This region lies in the Highlands physiographic province with all streams and rivers flowing toward the Delaware River. Within Area 1 there are 6 major drainage basins: Delaware River, Flat Brook, Paulins Kill, Pequest River, Lopatcong and Pohatcong River Drainage, and the Musconetcong River.

The Education and Outreach Committee developed a list of outreach priorities, identifying municipal officials as the primary target audience. This committee has developed a presentation designed to educate and inform municipal officials about watershed management, a needs assessment protocol to gain a better understanding of the expectations and needs of local stakeholders, educated local stakeholders by participating in various local events throughout the watershed management area, and hosted two successful Watershed Festivals. The Action Now committee developed an evaluation criteria to rank projects for 319 nonpoint source control funding. The committee made recommendations to the Department on each project submitted for funding.

The Open Space and Farmland Preservation Committee has identified a series of needs including the need to open lines of communication among groups working to preserve lands and the need to provide assistance in directing individuals to the right funding sources for land preservation. The committee has prepared maps identifying protected lands and lands targeted for protection in the region, hosted meetings to encourage partnership acquisitions, held a training workshop on coordinating open space plan development for townships and non-profit organizations, developed a funding document, explaining different funding sources in the region that are available for land preservation, sponsored workshops for such topics as: Developing and Implementing Open Space Plans, Partnerships for Land Preservation, Open Space Planning and Implementation. The purpose of the Partnership Preservation workshops was to help groups working on preserving specific parcels of land. They also assisted in the development of a Water Resource Evaluation System GIS model that has been developed as a tool to help prioritize open space acquisition based on a water resource model. Information can be found at the Project's website: www.upperdelaware.org.

Watershed Management Area 2

Area 2 is also known as the Wallkill River Watershed and includes 11 townships in Sussex County. The Wallkill River watershed is unique in that its headwaters begin at Lake Mohowk in Sparta Township and then flows north into New York, eventually emptying into the Hudson River. The Wallkill Watershed is approximately 185 square miles in area, and is comprised of a variety of land uses including rural and centralized residential development, agriculture, commercial, recreational, and industrial usage. Also located within this watershed area is the Wallkill Wildlife Refuge. The refuge watershed/wetlands complex provides migratory and nesting habitats for numerous birds and waterfowl and is home to several endangered species. Major rivers include the Wallkill River, Papakating Creek, Pochuck Creek, Black Creek, Wawayanda Creek, and Lake Lookout Brook. Lakes and ponds in these watersheds include

Lake Mohawk, Newton Reservoir, Beaver Lake, Lake Grinnell, Wallkill Lake, Upper Greenwood Lake, Lake Wawayanda, and Highland Lake.

The Education and Outreach Committee has been actively working on watershed signs and has placed a total of 15 around the county. They have also worked with the Watershed Partnership of NJ to finalize locations for the future placement of State Watershed Boundary Signs. This committee has conducted many educational events such as tours of the SCMUA Wastewater Treatment Facility, for the purpose of raising watershed awareness around the community. In addition, this committee has set up display booths at various events around the county and has assisted in the production of a water conservation brochure. The TAC is working on characterization and assessment issues as well as TMDL strategy development. This committee has developed and implemented a water quality sampling plan for submittal to the Department. The committee played an active role in the development of the document; "Assessment and Approaches to Restore Impaired Waterbodies within the Wallkill River Watershed." A Coordinating Committee has been established to guide the overall process and the decision-making sessions of the PAC and the other committees.

Watershed Management Area 3

WMA 3 is comprised of the Pequannock, Wanaque, Ramapo, and Pompton Watersheds for a total of 238 square miles. The Pequannock, Wanaque, and Ramapo Rivers all flow into the Pompton River, which is a major tributary to the Upper Passaic River. WMA 3 contains 9 surface water reservoirs, including the Wanaque and Monksville Reservoirs, that supply high quality drinking water for more than 2 million New Jersey residents. WMA 3 spans 21 municipalities and lies mostly in Passaic County, but also includes parts of Bergen, Morris, Essex and Sussex Counties.

The WMA has a functioning Public Advisory Committee with by-laws and mission statement and various subcommittees and has adopted a vision with goals and objectives specific to their particular watershed and is in the process of refining the action plans. Open Space Criteria has been ranked based on drinking water source areas and recharge areas. Using these criteria, a GIS map was generated. In addition, legislation was recently passed in New York that mirrors an act passed in New Jersey two years ago, each formally titled the "Greenwood Lake Protection Act." The partnership of these two acts creates a 13-member commission of appointed representatives from both states that will serve to protect the area around Greenwood Lake, which straddles the New Jersey/New York border in the northernmost region of WMA 3. This cooperative effort will not only help Greenwood Lake and the surrounding region, but also pave the way for future cooperative efforts between these two states, which share multiple watershed interests in New Jersey and New York.

Watershed Management Area 4

WMA 4 includes the Lower Passaic River (from the Pompton River confluence downstream to the Newark Bay) and its tributaries, including the Saddle River, Preakness Brook, Second River,

and Third River. The drainage area of WMA 4 is approximately 180 mi², includes portions of five counties (Essex, Hudson, Morris, Bergen and Passaic Counties), and 66 municipalities. Several of the municipalities are older, industrial centers (Newark, Paterson, Clifton and East Orange) and a large portion of WMA 4 is already developed land and consists of impervious cover.

The WMA has a functioning Public Advisory Committee with by-laws and mission statement and various subcommittees and has adopted a vision with goals and objectives specific to their particular watershed and is in the process of refining the action plans. The Technical Advisory Committees proposed existing Water Quality Sites utilizing on-the-ground local knowledge to prioritize for the Department's water quality sampling plan. Open Space Criteria has been ranked based on highly urban areas, including brownfields and environmental justice categories. The mapping criteria is being used to develop GIS map. Currently WMA 4 PAC is reaching out to organizations such as the Friends of the Clark's Pond and Third River, who have been working on "Clark's Pond Nature Preserve". The Township of Bloomfield has dedicated this preserve as an urban refuge consisting of a 7-acre pond and 10 acres of surrounding woodland located on the Third River. This dedication is due to the efforts of this volunteer organization now actively involved the WMA 4 process.

Watershed Management Area 5

WMA 5 is the most populated watershed in New Jersey; it consists of the Hackensack River Watershed, the Pascack Brook Watershed and the Hudson River Watershed. WMA 5 covers 62 municipalities in Hudson and Bergen Counties. Approximately half of WMA 5 is still developable with over thirty percent of WMA 5 is residential development. A unique feature in WMA 5 is the Hackensack Meadowlands, home to more than 265 different species of birds. This 32 square-mile tidal marsh bridges Bergen and Hudson Counties and is governed by the New Jersey Meadowlands Commission.

The Hackensack River by itself drains an area of 202 square miles including Rockland County, New York and parts of Hudson and Bergen Counties. The major impoundments in New Jersey include Oradell Reservoir, Woodcliff Reservoir and Tappan Lake. Above the New York portion of Tappan Lake is DeForest Reservoir belonging to Suez Lyonnaise the owner of United Water of New York (UWNY) and United Water of New Jersey (UWNJ). Water quality and quantity in New York State have a direct impact on New Jersey. Several counties in WMA 5 rely on UWNJ to deliver finished water from the Oradell Reservoir.

The WMA has a functioning Public Advisory Committee with by-laws and mission statement and various subcommittees and has adopted a vision with goals and objectives specific to their particular watershed and is in the process of refining the action plans. The Technical Advisory Committees proposed existing Water Quality Sites utilizing on-the-ground local knowledge to prioritize for the Department's water quality sampling plan. WMA 5 ranked their Open Space Criteria in alignment with the Bergen county Open Space Plan. A GIS map is under development using the Open Space criteria.

Watershed Management Area 6

WMA 6 represents the area drained by waters from the upper reaches of the Passaic River Basin, including the Passaic River from its headwaters in Morris County to the confluence of the Pompton River. WMA 6 is characterized by extensive suburban development and reliance upon ground water sources for water supply. WMA 6 lies in portions of Morris, Somerset, Sussex and Essex counties and includes the Upper and Middle Passaic River, Whippany River and Rockaway River Watersheds. The 7,450 acre Great Swamp National Wildlife Refuge located within the Upper Passaic River Watershed, was the first wilderness area established by the United States Department of the Interior.

The WMA has a functioning Public Advisory Committee with by-laws and mission statement and various subcommittees and each WMA has adopted a vision with goals and objectives specific to their particular watershed and is in the process of refining the action plans. Open Space Criteria has been ranked based on drinking water source areas and recharge areas. Using this criteria GIS maps were generated and are being reviewed for use with the New Jersey Statewide Water Supply Plan. The Department established a TMDL for fecal coliform for the Whippany River Watershed as an amendment to the Northeast Water Quality Management Plan in April 2000. WMA 6 has received over one million dollars in grant funding to reduce nonpoint source pollution within the watershed. The PAC process has been utilized to help prioritize Action Now projects and 319(h) projects which dealt with a variety of issues from stormwater to non point source pollution, well head protection, streambank or shoreline restoration projects and projects specific to reduction of fecal coliform contamination in the Whippany River as part of the required TMDL implementation. The Department provided funding to Hanover Township to improve stormwater quality by increased clean outs of the storm drains. This has lead to dramatic reductions in total suspended solids, phosphorus, nitrogen, and oxygen-demanding materials.

Watershed Management Area 7

Watershed Management Area 7, a 160 square mile urban area known as the Metropolitan Watershed includes the Arthur Kill and its tributaries, the Elizabeth, Rahway and Woodbridge Rivers, Morses Creek, and the Elizabeth Channel. Watershed Management Area 7 includes large portions of Essex, Union, and Middlesex counties.

The overwhelming success of the WMA 7 effort in this region has been the personal relationships that have been established that have allowed sharing of information and partnering on projects when possible to restore and enhance the streams and rivers and all their attributes. The committees formed to recognize that outreach was a powerful tool in establishing and implementing, open space, as vital components in an area where these are often overlooked. Projects focussed on educating citizen that land and water resources are worth restoring and enhancing for a better quality of life for the 1,000,000 residents in this relatively small area.

The characterization/assessment document has been completed. WMA 7 has encouraged the New Jersey Wetlands Mitigation Council to fund mitigation in the watershed. Grant funds have been used successfully in urban stream bank and wetland restoration projects. WMA 7 has encouraged the Army Corp of Engineers to undertake large-scale restorations relating to lost natural resource benefits in the City of Rahway. Finally, A 'Road Salt Reduction' seminar for municipal road and traffic officials was sponsored by the WMA. For the future, the WMA plans to focus on projects related to Phase 2 Municipal Stormwater Management plans.

Watershed Management Areas 8

The North and South Branch Raritan watershed comprises all of WMA 8; encompassing a 468 area of square miles as parts of Hunterdon, Morris, and Somerset counties and 34 municipalities. The Branches join near Branchburg to form the main trunk of the Raritan River. South Branch Raritan River tributaries and lakes include: Round Valley Reservoir, Mulhockaway Creek, Spruce Run, Spruce Run Reservoir, Neshanic River, Drakes Brook, Beaver Brook, Cakepoulin Creek, First Neshanic River, Back Brook, Furmans Brook and Pleasant Run. North Branch Raritan River Tributaries are: Lamington River, Rockaway Creek, Burnetts Brook, Mine Brook, Middle Brook, Tanners Brook, Rockaway Creek South Branch and Chambers Brook.

Watershed Management Areas 9

The Lower Raritan watershed comprises all of WMA 9 and encompasses an area of 352 square miles with parts of Middlesex, Monmouth Somerset, and Union counties and 26 municipalities. Major waterways in WMA 9 include Green Brook, Cedar Brook, Bound Brook, Ambrose Brook, Dukes Brook, Peters Brook, Cuckels Brook, Middle Brook West Branch, Middle Brook East Branch, Mile Run, Mill Brook, Manalapan Brook. Matchaponix brook, Lawrence Brook and the South River.

Watershed Management Areas 10

The Stony Brook-Millstone (WMA 10) watershed comprises an area of 285 square miles with parts of Hunterdon, Mercer, Middlesex, Monmouth and Somerset counties and 16 municipalities. Waterbodies here include the Millstone River, Stony Brook and Carnegie Lake.

WMAs 8, 9 and 10 have focused on plan implementation and prioritization of the major strategy areas identified in the Raritan plan. The Stony Brook Millstone Watershed Association received grant funds to perform a characterization and assessment study of the upper Millstone and Bedens Brook, to develop restoration tools and to develop a River Friendly Program for stream bank stabilization and enhancement. All this marked the beginning of the planning phase for what has come to be known as “The Raritan Basin Watershed Management Project”, or the “Raritan Project”. The Raritan Project has completed its watershed plan for areas 8, 9 and 10. The following reports were completed this calendar year: Surface Water and Riparian Areas;

Ground Water; Landscape; Surface Water Quality and Loadings, and Raritan Basin: Portrait of a Watershed. These join five other technical reports that were generated in previous years, including Water Budget, Water Supply Availability, and a Settings report etc. Additionally, a water resource open space criteria for GIS model was finalized. The TAC is pursuing implementation of a project to design a Protocol to Determine Watershed Based Phosphorus Limits. Two Action Now projects are underway: one focusing on getting retailers to sell phosphorus free fertilizers and a second focusing on a case study of a NPS ordinance.

Watershed Management Area 11

Watershed Management Area 11, known as the Central Delaware Tributaries, effects the drainage in 24 municipalities within the counties of Hunterdon, Mercer and Monmouth. The predominant drainage funnels to the Delaware River or the D&R Canal. Watershed Management Area 11 covers approximately 272 square miles and is dominated by the Assunpink Creek and its tributaries to the south and much smaller creeks in the northern portions. Land uses in this area range from agricultural to urban. Area 11 includes the City of Trenton. The area has also been heavily impacted by suburban development. Population for this area over the past 10 years has greatly increased. Its development has stressed its water resources and impacted water quality. Information is available on the website: www.delawaretribs.org.

The Characterization and Assessment Committee is responsible for guiding the data needs of the Central Delaware Tributaries. This committee has reviewed available data layers for inclusion into a “Settings Report”, and has acted as a technical review board as necessary to complete the work of this project. The “Action Now” Committee is responsible for developing and soliciting “Action Now” nonpoint source projects in the Central Delaware Tributaries.

The Land Use Committee is working on developing the criteria to identify and prioritize open space areas for acquisition within the watershed and land use alternative scenarios. The Education and Outreach Committee has been developing a work plan to set priorities to raise watershed awareness. The group has held a Watershed Hike and has increased public awareness by participating in various events throughout the watershed. The committee is also helping to plan a “Get to Know Your Stream” day to get people into the watershed to learn about their streams and rivers.

Finally, the Regional Planning Partnership has developed a Goal Oriented Zoning Model (GOZ) which they have been presenting to municipalities throughout the watershed management area. The model allows a user to view the “build out” impacts of existing master plans and zoning ordinances and test center-based “smart growth” alternatives to the conventional approach to local planning.

Watershed Management Area 12

Watershed Management Area 12 is comprised of six coastal subwatersheds, consisting of 56 municipalities in the Raritan Bay and Atlantic Coastal drainage basins. Although the majority of impacted municipalities are in Monmouth County, several lie Middlesex and Ocean Counties.

The Monmouth Coastal Watersheds Partnership, with significant support from the Monmouth County Planning Board, is currently conducting water resource education activities and assisting the Department in the development of water budgets and TMDLs for segments in the Manasquan subwatershed listed on the state's "List of Water Quality Limited Waters". To assist with the TMDL implementation strategy development, the Partnership has developed, with Princeton Hydro, geomorphic assessments for selected sites in the Manasquan watershed, using Rosgen information to classify stream reaches and to demonstrate cause and effect between stormwater management and changes in stream morphology, with a link to water quality effects. The Partnership has sponsored an update of Monmouth County's GIS aerial layer to provide better resolution than previously available and to include portions of Middlesex and Ocean Counties; the GIS layer will be used in the wastewater management planning process, open space acquisition, and water quality improvement strategies. The Partnership has identified and proposed to NJDEP Action Now projects and open space acquisition priorities for watershed improvement and protection.

The Partnership has sponsored the development of (a) a Clean Marina Guidebook for the subwatersheds; (b) a home gardener Integrated Pest Management and Best Management Practices Demonstration Project by the Master Gardeners of Monmouth County; (c) a nonpoint source project at Sylvan Lake to remove goose feces and monitor the lake for bacteria concentrations; (d) a Freehold Soil Conservation District nonpoint source education effort; (e) volunteer monitoring by New Jersey Public Interest Research Group; (f) educational watershed seminars by Monmouth University; (g) open space acquisition and funding source by the Monmouth Conservation Foundation; and (h) an extensive Web page at www.visitmonmouth.com/area12.

Watershed Management Area 13

The Barnegat Bay-Little Egg Harbor Estuary and surrounding watershed encompasses most of the 33 municipalities in Ocean County as well as four municipalities in Monmouth County. Although long recognized for its great aesthetic, economic, and recreational value, this backbay system is now affected by an array of human impacts that potentially threaten its ecological integrity.



Watershed management planning for WMA 13 is being funded primarily under the Barnegat Bay Estuary Program (BBEP). The BBEP is "a partnership of federal, state, and local interests" overseeing the development of a management plan and the community efforts in the Bay area. The Program is made up of subcommittees who oversee the various aspects of the management plan: the Citizens Advisory Committee, the Science and Technical Advisory Committee, the Management Committee, and the Policy Committee. The BBEP Office is within the Ocean County Planning Department.

The Barnegat Bay Estuary Program has completed an extensive characterization report for the Barnegat Bay-Little Egg Harbor estuary and watershed. The final Comprehensive Conservation and Management (CCMP) for the estuary and watershed is completed and has been approved by the Governor as of May 15, 2002. The CCMP is divided into four major action plans: Water Quality/Water Supply; Habitat and Living Resources; Human Activities and Competing Uses; and Public Participation and Education. The plan also identifies and prioritizes action items for each of the four action plans that are needed to protect the Barnegat Bay Estuary. For a summary of water quality issues affecting the Bay see section 3.3c within the *Estuary and Coastal Assessment* contained in this report. The BBEP web address is www.BBEP.org. The characterization report and the CCMP may be viewed from the website and information on current events and activities are also available through this Internet link.

The Department is funding an action now project with the BBEP in the watershed that is associated with an action item in the CCMP. The proposed project is a natural lands restoration of sand dune areas along the eastern shore of Barnegat Bay. The project will protect and restore a threatened natural sand dune area from erosion while providing for additional open space. The project will entail a multi-phased approach to reduce wave actions using bio-log technologies and actual dune grass and other vegetation plantings to restore and enhance dune and wildlife habitat. The Department is also funding a project to retrofit and increase the efficiency of stormwater basins, in subwatersheds with segments listed on the state's "List of Water Quality Limited Waters", over the next two years to reduce nonpoint pollution and assist stormwater recharge or infiltration.

Watershed Management Area 14

The Mullica River and tributaries are considered the primary drainage system for the Pinelands. The total area of the drainage basin (Mullica River and tributaries) is some 561 square miles. Major tributaries within the watershed include the Wading River, Nochescatauxin Brook, Atsion Creek, the Bass River, Batsto River, Nescochaque Creek, Landing Creek, Hammonton Creek and the Oswego River. The Mullica River empties into Great Bay, a large estuarine system.

The Pinelands Commission has established a Mullica River Planning Project Web site at www.state.nj.us/pinelands/mullica. The Pinelands Commission has reevaluated the water quality and ecological impairments on the integrated list, taking into account the unique nature of the Pinelands area and the Commission's extensive data set. The Commission is expected to prepare a *New Assessment Strategy to Rank Stream Impairments in a Coastal Pinelands Environment*, which will provide for a more appropriate allocation of remediation resources to this area. A GIS-based characterization of the watershed and a water quality improvement project list for future funding were also developed.

The Pinelands Commission has been reviewing the stormwater systems of the area's municipalities with the intent of developing regional/municipal stormwater management plans to address non-point pollution. Currently, the Commission is in talks with Hammonton Township to develop a proposal for a municipal stormwater plan to address the problems in Hammonton Lake and Hammonton Creek; both are on the integrated list and in the memorandum of agreement with EPA for expedited TMDLs.

The Commission has also proposed to inspect and evaluate the existing stormwater management basins that have been constructed. Inefficient basin design and operation has increased nonpoint source contaminant concentrations in area streams.

The Department is sponsoring the Pinelands Commission in its development and implementation of a comprehensive program to reduce non-point source pollution that is caused by the use of conventional septic systems. This will supplement the work of a previously formed Ad Hoc Committee on Alternative Septic Systems that is investigating the use of innovative wastewater technologies that reduce the levels of nitrogen, phosphorus, biochemical oxygen demand, total suspended solids and other contaminants in septic system wastewater.

Watershed Management Area 15

The Great Egg Harbor River is 49 miles long and drains an area of 304 square miles. It originates in eastern Gloucester and Camden Counties, an agricultural and suburban area, before flowing through the Pinelands region. The river drains into Great Egg Harbor Bay before emptying into the Atlantic Ocean. The major tributaries are Hospitality Branch, Watering Race, Babcock Creek, Deep Run, South River and Stephens Creek. There are many lakes and ponds in this area, but the largest is Lake Lenape, near Mays Landing.

The Atlantic County Planning Department's watershed management effort has (a) developed a GIS-based characterization of the watershed to assist with issues identification; (b) performed an environmental assessment associated with the construction of a regional stormwater detention facility designed to alleviate local flooding and maintain and improve water quality in and around a county park; (c) increased watershed education in the county through expansion of the Adopt-a-Stream program; (d) incorporated additional environmental criteria into the county's open space acquisition process and list; (e) developed a water quality improvement project list for future funding (f) verified the bioassessment sampling results related to 303d listed sites for the TMDL process; (g) produced GIS parcel mapping for a digital block and lot coverage which will be maintained by the county to expedite property owner identification for open space acquisition and provide more accurate property identification for the wastewater management planning process; (h) developed a Web page at www.aclink.org/planning/area15.

Watershed Management Area 16

Cape May County is located at the southern-most point of New Jersey and represents a continuation of the Atlantic Coastal Plain. The watershed management area includes watersheds draining the Cape May portion of New Jersey. The region includes Cape May County south and east of the Tuckahoe River, Dennis Creek, Delaware Bay Coastal Drainage and Cape May Atlantic Coastal (ocean) Drainage. The county's permanent year-round population is about 77,000, with approximately 42 percent of the population residing on the barrier islands that comprise the eastern perimeter of the peninsula. The summertime population rises to 564,000, with 69 percent residing on the barrier islands. The region contains minimal surface water flow. Ground water and shellfish harvesting water quality are the principal water issues.

The Cape May County Planning Office has developed GIS-based watershed characterizations to facilitate environmental goal-setting and problem analysis. This watershed management process will have significant groundwater quality and quantity analyses provided by means of recently passed state legislation and funding. These analyses will address the significant water supply issues that could threaten the barrier islands and sensitive land features that exist throughout the watershed.

Watershed management in Cape May County has (a) developed the Cox Hall Creek action now project including preliminary field investigation and sampling costs leading to a 319h grant award for restoration activities; (b) produced GIS parcel mapping for a digital block and lot coverage which will be maintained by the county to expedite property owner identification for open space acquisition and provide more accurate property identification for the wastewater management planning process; (c) verified bioassessment sampling results related to 303d listed sites for the TMDL process; (d) conducted GPS of all stormwater outfall pipes in the watershed and incorporate locations into a GIS layer for nonpoint source investigation and remediation project development; (f) developed a GIS-based watershed characterization to facilitate water quality and water supply problem analysis; (g) evaluated water quality data for TMDL implementation strategy development; (h) developed an action now project list; and (i) developed a web page linked from www.capemaycountygov.net.

Watershed Management Area 17

Watershed Management Area 17 is comprised of the watersheds of the Salem River, Alloway and Hope Creeks, the Cohansey River and the Maurice River and associated tributaries. This area includes portions of Atlantic, Cumberland, Gloucester, and Salem counties, over 39 municipalities and encompasses 885 square miles.

A draft computer-based, interactive Characterization Report was rolled-out at the May 15, 2002 meeting. The final watershed characterization developed from the compiled data will be available to the public on the watershed website in the near future. CDs with the information will also be made available. This effort will make massive amounts of data and information readily accessible and usable for assessing scope and causes of impairments. Sites for expanded Existing Water Quality monitoring stations were selected. Watershed partners will be engaged in an exercise to identify potential sources of fecal impairment at a meeting regarding the expedited TMDLs to be held December 10, 2002.

The AmeriCorps Watershed Ambassadors for WMA 17 continue to coordinate citizen volunteer training for Department's Biological Assessment TeamS (BATS) and River Assessment TeamS (RATS). The BATS and RATS programs allow citizens to gain skills and the experience needed to monitor local waterways using identification techniques. The information that is gathered will be used to identify sources of impairment and sites that are candidates for Action Now restoration projects. One project currently funded will help to identify the root causes of impairments Parvin Branch and Tarkilin Brook (tributaries to the Maurice River) via intensive physical, biological and chemical monitoring, extensive education and outreach on NPS

pollution. In addition, a special allocation of \$1.3 Million of Corporate Business Tax (CBT) money was allocated for the purpose of setting up a State Conservation Cost Share program to assist farmers in WMA 17 to implement conservation management plans on their farms. Given that NPS are a major source of the pollutants for which there are impairments in WMA 17, addressing agricultural sources of NPS will help to improve water quality.

Watershed Management Area 18

Watershed Management Area 18 is comprised of the watersheds of the Pompeston Creek, Swede Run, Cooper River, Woodbury, Big Timber and Newton Creeks, Mantua Creek and Raccoon and Oldmans Creeks. WMA 18 covers all or parts of Burlington, Camden and Gloucester counties, including 68 municipalities covering 391 square miles.

The Characterization Report for WMA 18 has been completed, providing a tool for assessment of causes of impairments. An environmental issues list was compiled as well as an Action Now project list for needed restoration projects. Grant awards from federal sources, including 319(h) and the DELEP mini-grant program, have been used for environmental restoration work for projects such as Gloucester City Municipal Lake Water Quality Enhancements, Biofilter Wetlands/Sediment Traps for Stormwater Treatment and Lake Inlet Stabilization in the vicinity of Newton Lake. Completion of comprehensive RATS data collection for sites across all ten sub-watersheds was a major work effort in this WMA. A TMDL was completed for Strawbridge Lake and follow-up projects were initiated to refine the implementation plan.

Watershed Management Area 19

Watershed Management Area 19 represents the Rancocas Creek Drainage Basin. Portions of Burlington, Camden and Ocean counties, and approximately 33 municipalities, are within this management area which covers 360 square miles, and reaches deep into the Pinelands Preservation Area.

A Characterization and Assessment report for the Rancocas Watershed was completed in May of 2002. The report was distributed in CD format throughout the watershed and will be used to identify the scope and cause of impairments. A project was undertaken with Dr. Mark Robson from UMDNJ-School of Public Health to perform a Watershed Pesticide Monitoring Pilot Project. This project will analyze run-off from three different sites within the watershed, a residential development, a golf course and a farm field, and compare the levels/types of pesticides from each land-use. An interim report based on results from the first round of sampling was made to the PAC at the May 2002 meeting. The final results/ report is forthcoming and will inform root cause analysis.

A Riparian Buffer Gap Assessment was completed which evaluates the presence, absence and condition of the riparian buffer in the principal tributaries within the Rancocas Creek Watershed Management Area. Helicopter fly-over and video taping occurred in winter/spring 2002. The Conservancy reported out to the PAC at the July 2002 meeting. 176 linear miles of streams

throughout the watershed were assessed. Acreage of buffers present was calculated and presented in a summary table. Forested and non-forested areas were digitized then overlaid on county 2000 aerials from which maps were created and displayed at the November 2002 PAC meeting. A final report from the Heritage Conservancy will be forthcoming. This tool will be used to identify potential causes of biological impairment as well as areas in need of restoration.

A ranking system for Open Space Prioritization has been devised to prioritize open space considering factors such as water quality benefit, development pressure, and continuity with existing open space. Parcel based mapping for the watershed that shows the priority areas is being developed.

Several 319(h) projects have been implemented, including riparian reforestation, streambank stabilization, BMP installation and others expected to positively influence water quality.

Watershed Management Area 20

Watershed Management Area 20 represents the watersheds of Crosswicks Creek, Doctors Creek, Assicunk Creek, Crafts Creek and Blacks Creek. This watershed management area is comprised of 26 municipalities spanning four counties: Burlington, Mercer, Monmouth and Ocean encompassing 253 square miles. Crosswicks Creek, entering the Delaware River at Bordentown, is 25 miles long and drains an area of 146 square miles. Major tributaries include Jumping Brook, Lahaway Creek, North Run and Doctors Creek. Tides affect this stream up to the Crosswicks Mill Dam. Allentown Lake, Oxford Lake, Prospertown Lake, and Imlaystown Lake are major impoundments in the Crosswicks Creek Watershed. Important land uses in this watershed include agriculture, residential/commercial development and military installations, with remainder covered by woodland areas.

A TMDL was completed for Sylvan Lake. Lake restoration activities are expected to result in elimination of the listed impairments for this lake. Several watershed projects have been implemented in the WMA. Currently two projects are underway using 319(h) funds made available through the Clean Water Act. The first project is the Crosswicks Creek - Oakford Park and Paradise Park Restoration. Oakford Lake is upstream of a moderately impaired AMNET monitoring site, and Oakford Lake is listed on the 303(d) list for total phosphorus. Both parks have a growing Canada Geese problem since they provide ideal habitat for resident Canada Geese. Both Parks have severe erosion problems due to human and waterfowl activities. Therefore the applicant, Plumstead Township, is proposing a vegetated stream bank buffer to stabilize the stream banks, block waterfowl access and to serve as a biofilter for stormwater runoff. The second project is the Shady Brook Pond Restoration Project. Hamilton Township, Mercer County has been doing routine testing of the pond and has identified fecal and dissolved oxygen as significant water quality issues which need to be addressed. The pond is experiencing many problems with resident Canada Geese and past poor management practices. The proposed project will create a wetland buffer to surround the pond to act as a biofilter for NPS pollution and to discourage Canada Geese from accessing the pond.

Nonpoint Source Pollution Control Program: Section 319(h)

The Clean Water Act of 1972 has helped clean up of many of our country's waters, often achieving dramatic improvements. States, territories, and tribes estimate that at least half of these impairments are caused by nonpoint source (NPS) pollution, making it the Nation's leading source of water quality problems. To address these problems, Congress amended the Clean Water Act in 1987 and established the NPS Pollution Management Program under section 319 of the amendments. The program provides states, territories, and tribes with grants to implement NPS pollution controls described in approved NPS pollution management programs.

In 1990, the U.S. Environmental Protection Agency (EPA) began awarding grants to states, territories, and tribes with approved programs. Efforts to control runoff from agricultural land, urban sources, septic systems, and construction received significant funding under section 319, as did projects to manage wetlands and NPS pollution from forestry, habitat degradation, and changes to stream channels.

A well-developed NPS management program supports activities with the greatest potential to produce early, demonstrable water quality results; assists in the building of long-term institutional capacity to address NPS pollution problems; and encourages strong interagency coordination and ample opportunity for public involvement in the decision-making process.

New Jersey's 319 nonpoint source project funds measures that mitigate or prevent impairments to lakes, bathing areas, drinking water intakes, shellfish beds, special aquatic habitats, and stream corridor integrity. These measures can be applied to impaired waters that need to develop and implement total maximum daily loads. Examples of projects include such measures as stream bank and lake restoration, structural and nonstructural stormwater management measures, urban retrofit, and nonpoint source assessment leading to remediation. Table 4.2a-1 includes a description of projects funded in State fiscal years 2000 through 2002. For more information, please see http://www.state.nj.us/dep/watershedmgt/nps_program.htm.

Table 4.2a-1: Water Quality Projects funded with Section 319(h) Funds in State Fiscal Years 2000 through 2002

FY	RECIPIENT	PROJECT DESCRIPTION	WMA
2002	New Jersey Water Supply Authority	Mulhockaway Creek Watershed Study	8
2002	New York/New Jersey Baykeeper	Cedar Brook stream stabilization and buffer enhancement	9
2002	Union County	Warinaco Park Lake and Lagoon Restoration Project	7
2002	Rahway River Association	Robinson's Branch stream stabilization and rehabilitation	7
2002	Somerset County Park Commission	Riparian Buffer Restoration of Pond	10
2002	New Jersey Water Supply Authority	Delaware and Raritan Canal Tributary Assessment and NPS Management	9
2002	Swartswood Lake Watershed Assoc.n	Swartswood Lake Stormwater Management Grant	1
2002	Liberty Township	Mountain Lake and Mountain Lake Brook NPS Control Project	1

Table 4.2a-1 continued

FY	RECIPIENT	PROJECT DESCRIPTION	WMA
2002	North Jersey RC&D	Walkill River Agricultural BMP Project/ NPS Intervention Project	2
2002	Sparta Township	Wallkill River - Glen Brook Restoration	2
2002	Vernon Township	Highland Lakes Regional NPS Project	2
2002	City of Trenton	Assunpink Creek Greenway Restoration Project	11
2002	Roosevelt Borough	Siltation Abatement and Restoration of Wetlands	11
2002	Trout Unlimited	Bear Swamp Brook Restoration	3
2002	Passaic County	Goffle Brook, Goffle Brook Park Restoration of Riparian Corridor, Phase 2 and 3	4
2002	Clifton City Health Department	Race Track Pond at Memorial Park Restoration and Shoreline Stabilization	4
2002	Essex County Dept of Public Works	Verona Park Lake Bioengineering Shoreline Restoration Project	4
2002	Bergen County Dept of Parks	Van Saun Mill Brook Erosion Control	5
2002	Morris County Planning Department	Beaver Brook/Hibernia Brook Stormwater Management Plan	6
2002	Whippany River Watershed Action Committee	Whippany River Watershed Detention basin retrofit in Mendham Township	6
2002	Whippany River Watershed Action Committee	Speedwell Lake at the Whippany River - Phases 1-4	6
2002	Gloucester City Sewer & Water Department	Municipal lake water quality management - Newton Creek Watershed	18
2002	Moorestown Board of Education	Retrofitting stormwater management facilities of the public schools in Moorestown	18
2002	Camden County Department of Parks	Biofilter Wetlands/Sediment Trap for Stormwater Treatment in the Watershed of Newton Lake	18
2002	Willingboro Township	Implementation of water quality BMPs in Willingboro Twp. In the Rancocas Creek Watershed	19
2002	Citizens United to Protect the Maurice River and its Tributaries	Parvin Branch and Tarklin Brook Assessment and Monitoring	17
2002	Cinnaminson Twp Public Schools	Retrofit of a stormwater outfall and stream bank restoration of the Pompeston Creek	18
2002	Plumstead Township	Crosswicks Creek - Oakford Lake and Paradise Park Streambank Restoration for Water Quality Improvement	20
2002	Hamilton Township	Shady Brook Pond wetlands buffer restoration for water quality improvement	20
2002	Friends of Monmouth County Parks System	Riparian Restoration in the Manasquan Watershed	12
2002	Fairleigh Dickinson University	Mapping of SAV in Barnegat Bay	13
2002	Tuckerton Boro	Lake Pohatcong Restoration	13
2002	Lakewood Township	Lake Carasaljo Diagnostic/Feasibility Study	13
2002	Cape May County	Cox Hall Creek feasibility study and restoration plan	16

Table 4.2a-1 continued

FY	RECIPIENT	PROJECT DESCRIPTION	WMA
2002	Folsom Boro	Clean out of existing stormwater collection system in Folsom Boro	15
2001	Mount Holly Township	To construct a biofilter wetland complex at the edge of Woolman Lake, Mount Holly to purify turbid stormwater runoff.	19
2001	Township of Riverside	Stormwater Inventory and Management Plan	19
2001	County of Camden	To construct a biofilter wetland on the north side of Cooper River Lake in Collingswood.	18
2001	Pompeston Creek Watershed Association	Retrofit two detention basins and stabilize eroding stream banks along Pompeston Creek.	18
2001	City of Woodbury	Stabilize & restore eroded portion of Woodbury Creek.	18
2001	Delaware Riverkeeper Network (American Littoral Society)	Riparian buffer completion along Cooper River Lake in Collingswood	18
2001	County of Gloucester	Repair sedimentation & erosional problems along Rowan University stream corridor (Chestnut Branch, Mantua Creek)	18
2001	Hamilton Township (Mercer)	Restore Robert L. Martin Lake and Pond Run areas by reducing pollutant load, and install an aquatic shelf to increase riparian zone for geese.	11
2001	Lawrence Township (Mercer)	Restore & stabilize 450 linear feet of bank along Colonial Lake thru wetland plantings.	11
2001	North Jersey Resource Conservation & Development Council	Implement a comprehensive watershed restoration strategy to improve water quality in the Upper Delaware.	1
2001	Township of Bloomfield	Addresses a biologically impaired site (Clark's Pond) on the Third River thru streambank restoration.	4
2001	Hackensack Riverkeeper Inc.	Addresses a biologically impaired site (Cole's Brook in Staib Park) on the VanSaun Brook—which is a tributary to the Hackensack River.	5
2001	Whippany River Watershed Action Committee Inc.	Continuation of a streambank restoration (Phase II Burnham Park, Atno Brook) previously funded to address fecal impairment.	6
2001	Marine Trades Association of New Jersey	Proposes to increase awareness & encourage implementation of innovative pollution control measures by NJ Marinas.	State-wide
2001	Fairleigh Dickinson University	Proposes to plant eelgrass & widgeon grass as a technique for increasing water quality & reducing nonpoint source pollution in Barnegat Bay; to perform additional monitoring.	13
2001	Sylvan Lake Commission	Proposes to construct a concrete containment area to capture sediment & debris from the stormwater trunk line serving portions of Neptune City & Neptune Twp.	12
2001	Philadelphia Academy of Natural Sciences	Rapid bioassessment protocol for algae.	State-wide

Table 4.2a-1 continued

FY	RECIPIENT	PROJECT DESCRIPTION	WMA
2001	Hudson County, Office of Strategic Revitalization	Will demonstrate the applicability & utility of urban stormwater best management practices.	5
2001	Rutgers University	Will modify time of concentration methodology to properly reflect the predeveloped conditions in south and central jersey so that local runoff is properly assessed and managed.	State-wide
2001	NJ Department of Agriculture	Provide support to NJDEP Watershed Mgt Program and Nonpoint Source Implementation Program	State-wide
2001	Rutgers University, Office of Continuing Professional Education	Develop & promote best mgt practices in stormwater mgt and NPS pollution control in NJ through electronic outreach & training.	State-wide
2001	Hopewell Township (Mercer)	Woolsey Brook watershed improvement project; construction of 2 parking areas on the Hopewell Twp Mun facility utilizing porous paving.	11
2001	Ramapo College	Riparian restoration for Ramapo Reservation Lake Mahwah Twp.	3
2001	Skylands CLEAN	Pequannock River; channelized stream re-naturalization, Route 23-West Milford/Jefferson Twps.	3
2001	Hudson-Essex-Passaic SCD	WMA 3 Watershed Restoration Master Plan and Streambank Restoration will address all 3 AMNET mod impaired sites.	3
2001	Dover Township	To develop a multi-phase development & implementation plan designed to coordinate NPS strategies throughout the Long Swamp Creek watershed.	13
2001	Middletown Township Environmental Commission	To perform an assessment of McClees Brook for a wetland restoration project.	16
2001	City of Linwood	To restore Mary Jane Pond and retrofit the stormwater drainage system that feeds into it. There is also an education & outreach component for local schools.	15
2001	ANJAC	To perform a reforestation project in the headwaters of East Creek in Dennis Twp and perform monitoring.	16
2001	City of Rahway	To restore flood plain habitat and improve water quality of the Rahway River watershed at Union & Allen Streets.	7
2001	Upper Raritan Watershed Association	Assess causes of the current quality of the Peapack Brook in Chester Borough, Chester Twp, Boro of Peapack-Gladstone, and Bedminster Twp, and develop management strategies to protect & restore those areas.	8
2000	North Jersey RC & D	A Watershed Approach to Riparian Restoration	1
2000	Rider University	Centennial Lake: The University Model	11

Table 4.2a-1 continued

FY	RECIPIENT	PROJECT DESCRIPTION	WMA
2000	Gloucester County Parks & recreation	Backyard BMPs and Wildlife Habitats Project	17
2000	Salem County Dept of Planning	Salem County GreenKeepers Plan	17
2000	Ken Lockwood Chapter of Trout Unlimited	Restoring Our Rivers	10
2000	NY/NJ Baykeeper	Rahway River Watershed NP Pollution Implementation Project Milton Lake & Robinson's Branch, Rahway River Watershed	7
2000	South Branch Watershed Association	Action Plan Presentation to Communities to Address Nonpoint Source Pollution	8
2000	Borough of Middlesex	Restoration of Victor Crowell Park	9
2000	Ocean County SCD	Barnegat Bay Watershed-Specific Activity Guide	13
2000	Urban Cons Action Partnership (UCAP, Inc.)	Best Management Practices Workshop for WMA 6	6
2000	Stony Brook(restoration)	Streambank restoration on the Millstone River and Stony Brook	10
2000	Smithville (restoration) Burlington County SCD	Smithville Farm Environmental Restoration Project	19
2000	Mt.Holly (restoration)	Riparian Forest Buffer, Streambank Stabilization & Education Program for the Mill Dam/Ironworks Park along the Rancocas Creek	19
2000	Science & Research	NJ Air Deposition network	State-wide
2000	USGS	Toms River NPS Data Analysis	State-wide
2000	NJDA	Non-point source	State-wide
2000	Rutger's	Municipal NPS Program Guide	State-wide
2000	S&R F&W	Integrated Aquatic Assessment	State-wide
2000	USGS	Ecological Assessment Methodology	State-wide
2000	Swartswood Lakes Asso.	Watershed action NPS	State-wide
2000	Ten Towns Great Swamp: Site 28 Loantaka Brook -c/o Morris 2000 (watershed action NPS)	This project will design best management practices to correct sediment deposition and erosion at site 28 in the Loantaka Brook sub-watershed. These designs will be constructed as well as implemented. They will also develop a new way to continually monitor.	6

Table 4.2a-1 continued

FY	RECIPIENT	PROJECT DESCRIPTION	WMA
2000	Whippany River Watershed Action Committee, Inc.	Whippany River Streambank Restoration, town of Morristown, NJ & Twp. Of Morris-project design & construction for Bryant's stream, project design and phase one construction for the East Lake in Morristown's Burnham Park, Atno Brook	6
2000	Rockaway River Watershed Cabinet c/o Morris 2000	Whippany River Streambank Restoration, town of Morristown, NJ & Twp. Of Morris-project design & construction for Bryant's stream, project design and phase one construction for the East Lake in Morristown's Burnham Park, Atno Brook	6
2000	Water Monitoring		State-wide
2000	Science&Research (watershed action NPS)	Raptors	State-wide
2000	NJDA(watershed action NPS)	Fred Kelly	State-wide
2000	Seaside Heights	Watershed Action oriented NPs	State-wide
2000	Rutgers	NPS-education	State-wide
2000	Lafayette 4-H Club	Abbett Avenue Clean Water Project, this project will provide the Lafayette 4-H members (62) hands on workshop and activities to restore and clean the river bank area along Patriot's Path	6
2000	Passaic River Coalition	Watershed Management Area #6 Riparian Forest Buffer Protection Program will create a municipal based program to educate and implement a stream corridor protection program to enhance riparian forest buffers in WMA #6. This program will be modeled after the Chesapeake Bay Project.	6
2000	Passaic River Coalition – Upper Passaic River Riparian Conservation Committee	Protection of Water Resources from NPS Pollution in the Upper Passaic River Watershed from Bernards to Chatham and Summit, The Upper Passaic River Riparian Conservation Committee proposes to protect the water resources from NPS pollution in this watershed by the continuation of a riparian conservation project begun in 1998 through identification of recharge areas and protection of upland areas.	6
2000	Passaic River Coalition – Passaic Valley Ground Water Protection Committee	Protection of Ground Water from NPS Pollution in the Central Passaic River Basin of WMA #6. This project will be a continuation of well head protection work delineated within the WMA to start implementing NPS pollution prevention	6

Table 4.2a-1 continued

FY	RECIPIENT	PROJECT DESCRIPTION	WMA
2000	Rockaway River Watershed Cabinet c/o Ten Towns	Stream Corridor Improvement Program – An analysis of stream corridors along the Rockaway River and was identified in the Visions and Strategies report prepared by the Friends of Rockaway River. Stream bank restoration has already been started and this project will be a continuation.	6
2000	Great Swamp Watershed Association	Stormwater Management via Blue/Green Technologies Video will detail the blue/green approach to stormwater technologies. These technologies apply alternative, nonstructural approaches to stormwater management.	6
2000	Ten Towns Great Swamp Watershed Management Committee c/o Morris 2000	Implementation of Riparian Forest Buffers and Public Awareness Program in the Great Swamp Watershed will install 7 miles of riparian buffers within the environmentally sensitive Great Swamp watershed. Urban runoff and stream bank erosion has been identified as problems	6
2000	Friends of Rockaway River c/o Passaic River Coalition	Creating and Restoring Wetlands in Upper Berkshire Valley this project will create and restore wetlands on disturbed site that was once an active gravel quarry. A \$300,000 commitment from the NJ Wetlands Mitigation Council has been made to the project. The site's strategic location in the upper watershed offers water quality improvements, flood storage, wildlife habitat and passive recreation.	6
2000	Whippany River Watershed Action Committee – Hanover Township	Whippany River Watershed Action Committee Model Ordinances – This subcommittee of the Whippany PAG of municipal officials through an interlocal agreement will support a model ordinance for stormwater management in all 16 municipalities in the Whippany River Watershed.	6
2000	Whippany River Watershed Action Committee – Mt. Lakes Township	Restoration of the Whippany River Watershed through implementation of BMPs by Municipal Department of Public Works – This project will address identified NPS problems in the Whippany River watershed such as bacteria phosphorous and sedimentation. By engaging the DPW personnel and municipal officials in implementing solutions	6
2000	Union County	Echo Lake	7

New Jersey Environmental Infrastructure Financing Program (Land Acquisition)

The New Jersey Environmental Infrastructure Financing Program (EIFP) provides low-cost loans to municipalities, sewerage and utility authorities and other local government units for the purpose of land acquisition and conservation. "Land acquisition and conservation" means the fee simple purchase or easement acquisition by a local government unit of land that is deemed by the Department as appropriate for water quality protection. The Financing Program loans cover the certified market value of the parcel, as well as costs related to the recipient's administration of the project (up to 3% of land costs) and an allowance for planning and design (generally 10 to 15% of land costs).

Financing is provided from two sources, the Wastewater Treatment Fund (the Fund, administered by the New Jersey Department of Environmental Protection) and the New Jersey Environmental Infrastructure Trust (the Trust). The Fund provides loans at 0% interest for approximately 20 years for one-half of the allowable project costs. The Trust offers loans at about the market rate or less for the remaining allowable project costs, also for a 20 year term. Between these two funding sources, the rate on loans is less than half of the market rate obtainable by a local government unit. In 2001, the Program's interest rate was 2.2% and in 2002 the rate was 2.15 %.

Each project is evaluated and point scores assigned in accordance with the ranking criteria of the Federal Priority System which is developed each year by the Department. Land acquisition projects are included in the Nonpoint Source Pollution Management category. Projects are certified for funding based on list rank, the amount of available funds, and compliance with the Program's requirements and deadlines. Sufficient funds are anticipated to be available to cover projects in 2003 regardless of project rank.

Projects need to demonstrate a water quality benefit. Therefore, when dividing up a parcel for funding purposes, the project sponsor needs to look at planned or potential uses of the parcel in order to develop combinations that maximize and assure water quality protection. Detailed information regarding the program can be obtained by contacting Victoria Jenkins by e-mail (victoriajenkins@dep.state.nj.us) or at (609) 292-8961.

The following (Table 4.2a-2) is a listing of land acquisitions made under the EIFP in Federal FY 2002.

Table 4.2a-2: Land Acquisitions under the NJ Environmental Infrastructure Financing Program for Federal Fiscal Year 2002.

Municipality	Acres	Description
Allamuchy Township	328.86	The parcels drain to the Pequest River. The proposed acquisition and preservation of the land will result in the protection and maintenance of water quality of the surface water, groundwater and wetland resources of the area on a long-term basis. In addition to protection of these water resources and the prevention of flooding and streambank erosion, valuable plant and wildlife habitat will be protected.
Brick Township	87	The project will be part of the Midstreams Greenway and protects the groundwater recharge in the South Branch of Beaver Dam Creek, a tributary to the Metedeconk River.
Bridgewater Township	30.4	The site is forested and has steep topography that slopes down towards Echo Lake. Chambers Brook flows through Echo Lake and is tributary to the Raritan River.
Edgewater Borough	3.37	The land is characterized by steep slopes and wooded areas located along the Palisades.
Evesham Township	691	The site is located in the Pinelands Protection Area and is adjacent to an existing Township recreation area that is comprised of woods, wetlands and abandoned cranberry bogs.
Holmdel Township	417	The parcel is the largest undeveloped property in Holmdel and includes a 1.5 mile stretch of the Ramanessin Brook, four of its tributaries and two ponds. The parcel consists mainly of cleared land, with several large areas of mature forest. Extensive wetlands, floodplains, steep slopes and wooded areas are located along the Brook
East Windsor	68	Acquires land for Bear Brook Greenway which consists of upland forests, forested wetlands, agricultural fields and meadows.
Hamilton Township	16	Hamilton/Trenton Marsh is a freshwater tidal wetlands that supports several species of flora and fauna and is located along the Delaware River. The parcel is a sparsely wooded lowland to upland forest.
Montville Township	4.26	Open space preservation for the Passaic River watershed.
Readington Township	47.743	The parcel is bounded on two sides by tributaries that join together on the parcel to form the main stem of the Holland Brook. The property is presently open agricultural fields with forested areas along the stream corridors
Roxbury Township	24	The parcel is located on the slope of Mooney Mountain. The lot is forested and gently sloped and contains about one acre of wetlands at the bottom of the slope adjacent to a tributary to Flanders Brook which flows to the South Branch of the Raritan River.

Washington Township	109	The parcel is located within the Assunpink Watershed Area and consists of mixed vegetation and sparsely wooded areas.
West Windsor	202	The land is located in the Duck Pond Run and Little Bear Brook watersheds and consist of mixed-forest area, shrubby areas, farm field and lowland forest vegetation.

The Green Acres Program

The Green Acres Program was created in 1961 to meet New Jersey's growing recreational and conservation needs. As the principal land acquisition agent for the Department of Environmental Protection, Green Acres acquires land, which becomes part of the system of state parks, forests, natural areas and wildlife management areas. To date, Green Acres has protected more than 508,663 acres of open space and developed hundreds of public parks, bringing the state-wide system of preserved open space to more than 1,199,763 acres.

The Green Acres Program administers funds provided by the Garden State Preservation Trust. Green Acres works with landowners, municipal and county governments, nonprofit agencies and other conservation partners to protect land through direct purchase or conservation easement. The program provides low interest (2%) loans and partial grants to municipal and county governments to acquire open space and develop outdoor recreation facilities. The Green Acres Program also purchases land for the Pinelands National Reserve and administers the "Limited Practical Use" initiative to purchase land in the Pinelands from owners of less than 50 acres, whose land use is restricted due to current land use restrictions.

The Green Acres Program also administers the "Tax Exemption Program," which provides exemption from local property taxes to eligible nonprofit organizations that own recreation or conservation lands and allow for public access. More than 38,000 acres of privately owned lands have been opened to the public for a variety of conservation and recreational uses.

The Program monitors municipal and county sites acquired and developed with Green Acres funds and sites acquired by nonprofit organizations with Green Acres matching grants. Stewardship officers inspect these sites to ensure that they are well-maintained, open, and accessible for recreation and conservation purposes.

The Program also provides environmental planning and technical assistance for municipal, county, nonprofit and state open space acquisition and recreational development; and administers the "Payment in Lieu of Taxes Program" to municipalities in which lands are purchased by the DEP or nonprofit organizations for recreational or conservation purposes so that municipalities do not suffer a loss of taxes due to acquisition of lands.

To learn more about protecting your land or partnering with Green Acres to protect land in your region, visit their website at www.state.nj.us/dep/greenacres or call their office at 609-984-0500.

Table 4.2a-3: Purchases in State Fiscal Year 2000, 2001 and 2002 by the Green Acres Program by Watershed Management Area.

Watershed Management Area	<u>Acres</u>
No Watershed - Statewide	17,778
Upper Delaware River	6,207
Walkill, Pochuck, Papakating	1,008
Pompton, Pequannock, Wanaque, Ramapo	10,205
Upper Passaic, Whippany, Rockaway	325
North & South Branch Raritan	270
Lower Raritan, South River, Lawrence Brook	5
Millstone River	31
Central Delaware Tributaries	580
Monmouth Watersheds	171
Barnegat Bay Watersheds	1,582
Mullica, Wading River	2,070
Great Egg Harbor, Tuckahoe	6,865
Cape May Watersheds	2,930
Maurice, Salem, Cohansey	7,175
Lower Delaware Tributaries	225
Rancocas Creek	1,133
Crosswicks Creek	90

Table 4.2a-4: Purchases in State Fiscal Year 2000, 2001 and 2002 by the Green Acres Program by County and Municipality

<u>County</u>	<u>Municipality</u>	<u>Acreage</u>
ATLANTIC	BUENA VISTA TWP	689.65
ATLANTIC	EGG HARBOR TWP	1105.67
ATLANTIC	ESTELL MANOR	0.47
ATLANTIC	ESTELL MANOR CITY	700.95
ATLANTIC	FOLSOM BORO	250.62
ATLANTIC	GALLOWAY TWP	201.95
ATLANTIC	HAMILTON TWP	3455.99
ATLANTIC	HAMMONTON TOWN	664.36
ATLANTIC	MULLICA TWP	2451.537
ATLANTIC	NORTHFIELD CITY	4
ATLANTIC	PLEASANTVILLE CITY	71.89
ATLANTIC	WEYMOUTH TWP	828.405
BERGEN	NEW MILFORD BORO	0.25
BERGEN	RIVER EDGE BORO	0.76
BURLINGTON	BASS RIVER TWP	181.21
BURLINGTON	BORDENTOWN TWP	11.2
BURLINGTON	EVESHAM TWP	342.35
BURLINGTON	HAINESPORT TWP	0.76
BURLINGTON	MEDFORD TWP	815.18
BURLINGTON	PEMBERTON TWP	3.24
BURLINGTON	SHAMONG TWP	20.14
BURLINGTON	SOUTHAMPTON TWP	374.17
BURLINGTON	TABERNACLE TWP	206.98
BURLINGTON	WASHINGTON TWP	454.34
BURLINGTON	WOODLAND TWP	190.18
CAMDEN	WATERFORD TWP	143.73
CAMDEN	WINSLOW TWP	101
CAPE MAY	CAPE MAY CITY	2.362
CAPE MAY	DENNIS TWP	1533.163
CAPE MAY	LOWER TWP	147.771
CAPE MAY	MIDDLE TWP	242.235
CAPE MAY	SEA ISLE CITY	0.17
CAPE MAY	UPPER TWP	464.29
CUMBERLAND	COMMERCIAL TWP	367.966
CUMBERLAND	DEERFIELD TWP	7.38
CUMBERLAND	DOWNE TWP	255.35
CUMBERLAND	FAIRFIELD TWP	481.584
CUMBERLAND	GREENWICH TWP	22.804
CUMBERLAND	HOPEWELL TWP	268.662
CUMBERLAND	LAWRENCE TWP	679.59
CUMBERLAND	MAURICE RIVER TWP	1724.49

Table 4.2a-4, continued

<u>County</u>	<u>Municipality</u>	<u>Acreage</u>
CUMBERLAND	MILLVILLE CITY	807.8
CUMBERLAND	STOW CREEK TWP	512.178
CUMBERLAND	VINELAND CITY	2361.344
ESSEX	CEDAR GROVE TWP	240
ESSEX	FAIRFIELD TWP	9.7908
ESSEX	NORTH CALDWELL TWP	0
ESSEX	VERONA TWP	0
GLOUCESTER	DEPTFORD TWP	4.09
GLOUCESTER	FRANKLIN TWP	621.93
GLOUCESTER	MONROE TWP	734.98
GLOUCESTER	WOOLWICH TWP	100.11
HUNTERDON	ALEXANDRIA TWP	29.581
HUNTERDON	BETHLEHEM TWP	150.151
HUNTERDON	EAST AMWELL TWP	70.7615
HUNTERDON	FRANKLIN TWP	1.77
HUNTERDON	FRENCHTOWN BORO	12.03
HUNTERDON	GLEN GARDNER BORO	37.47
HUNTERDON	HIGH BRIDGE BORO	48.5
HUNTERDON	HOLLAND TWP	245.58
HUNTERDON	KINGWOOD TWP	274.547
HUNTERDON	LEBANON TWP	123.22
HUNTERDON	RARITAN TWP	347.33
HUNTERDON	READINGTON TWP	10.15
HUNTERDON	UNION TWP	94.18
HUNTERDON	WEST AMWELL TWP	522.81
MERCER	EWING TWP	9.8
MERCER	HOPEWELL TWP	453.522
MERCER	WASHINGTON TWP	33.94
MERCER	WEST WINDSOR TWP	48.77
MIDDLESEX	CRANBURY TWP	31.24
MIDDLESEX	MONROE TWP	334.994
MIDDLESEX	OLD BRIDGE TWP	8.5
MIDDLESEX	SOUTH BRUNSWICK TWP	4.164
MONMOUTH	FREEHOLD TWP	1393.863
MONMOUTH	HOLMDEL TWP	40.37
MONMOUTH	MANALAPAN TWP	169.09
MONMOUTH	MIDDLETOWN TWP	0.11
MONMOUTH	ROOSEVELT BORO	110.01
MORRIS	DENVILLE TWP	169.4
MORRIS	EAST HANOVER TWP	5.07
MORRIS	JEFFERSON TWP	2462.536
MORRIS	LINCOLN PARK BORO	4.197
MORRIS	MT OLIVE TWP	75.29
MORRIS	ROCKAWAY TWP	2759.84
MORRIS	ROXBURY TWP	32.02
MORRIS	WASHINGTON TWP	221.511

Table 4.2a-4: continued

<u>County</u>	<u>Municipality</u>	<u>Acreage</u>
OCEAN	BARNEGAT LIGHT BORO	0.826
OCEAN	BERKELEY TWP	2730.187
OCEAN	EAGLESWOOD TWP	7.8
OCEAN	JACKSON TWP	810.212
OCEAN	LACEY TWP	416.443
OCEAN	LITTLE EGG HARBOR TWP	174.099
OCEAN	MANCHESTER TWP	521.63
OCEAN	OCEAN TWP	396.35
OCEAN	PLUMSTED TWP	240.34
OCEAN	STAFFORD TWP	507.51
PASSAIC	LITTLE FALLS TWP	0.582
PASSAIC	NORTH HALEDON BORO	40.42
PASSAIC	POMPTON LAKES BORO	5.426
PASSAIC	WAYNE TWP	4.657
PASSAIC	WEST MILFORD TWP	1673.563
SALEM	ALLOWAY TWP	471.347
SALEM	CARNEYS POINT TWP	36.69
SALEM	EL SINBORO TWP	46.23
SALEM	LOWER ALLOWAYS CREEK TWP	1068.853
SALEM	MANNINGTON TWP	129.62
SALEM	PENNSVILLE TWP	61
SALEM	PIESGROVE TWP	161.27
SALEM	PITTS GROVE TWP	127.72
SALEM	QUINTON TWP	208.7
SOMERSET	FRANKLIN TWP	81.055
SOMERSET	HILLSBOROUGH TWP	188.27
SUSSEX	ANDOVER TWP	80.127
SUSSEX	BYRAM TWP	46.04
SUSSEX	FRANKFORD TWP	162.83
SUSSEX	FRANKLIN BORO	10.502
SUSSEX	FREDON TWP	101.67
SUSSEX	HAMBURG BORO	39.832
SUSSEX	HAMPTON TWP	229.26
SUSSEX	HARDYSTON TWP	531.651
SUSSEX	LAFAYETTE TWP	7
SUSSEX	MONTAGUE TWP	577.22
SUSSEX	OGDENSBURG BORO	131.41
SUSSEX	SANDYSTON TWP	31.994
SUSSEX	SPARTA TWP	910.517
SUSSEX	STILLWATER TWP	871.047
SUSSEX	VERNON TWP	5032.0592
SUSSEX	WANTAGE TWP	308.716
WARREN	ALLAMUCHY TWP	936.96
WARREN	BELVIDERE TOWN	28.61
WARREN	BLAIRSTOWN TWP	309.58

Table 4.2a-4: continued

<u>County</u>	<u>Municipality</u>	<u>Acreage</u>
WARREN	FRANKLIN TWP	0.87
WARREN	FRELINGHUYSEN TWP	197.51
WARREN	HACKETTSTOWN TWP	30.94
WARREN	HARDWICK TWP	706.782
WARREN	HARMONY TWP	270.98
WARREN	HOPE TWP	350.66
WARREN	INDEPENDENCE TWP	5.33
WARREN	KNOWLTON TWP	207.89
WARREN	LIBERTY TWP	539.3199
WARREN	LOPATCONG TWP	22.15
WARREN	MANSFIELD TWP	269.11
WARREN	PHILLIPSBURG TOWN	7.54
WARREN	POHATCONG TWP	129.539
WARREN	WASHINGTON TWP	96.82
WARREN	WHITE TWP	159.043

4.2b New York/New Jersey Harbor; Metals

Background

Based upon historical data assessments for metals, NJDEP originally had concerns that metal levels in the NY-NJ Harbor water column were exceeding surface water quality standards (SWQS) due to point source discharges. An initial assessment of historical data indicated exceedences of SWQS for silver (Ag), mercury (Hg), arsenic(As), cadmium(Cd), lead (Pb), zinc(Zn), nickel (Ni), and copper (Cu) concentrations throughout the Harbor. In 1991 and 1992, additional ambient and point source data were collected using the latest trace metal sampling techniques. The results of the sampling indicated significantly lower metal concentrations compared to the historical data. Exceedences of metal criteria were found only for mercury. The conflicting results were mostly attributed to sample contamination and lower laboratory procedure precision used in collecting and analyzing the historical data.

Additional water quality assessments in the Harbor included the development of a water quality model that predicted possible exceedences of chronic water quality criteria for three metals: copper, nickel, and lead (Hydroqual, 1994). However, it was noted that the data collected for the water quality model focused on New York's waters, but was used to predict water quality exceedences in New Jersey's waterbodies. While the model projected exceedences in these waterbodies, the available ambient data indicated that existing loads were adequate to meet applicable water quality standards. As a result of the various assessments, NJDEP concluded additional sampling of metal data were required to provide conclusive evidence of the current conditions of the water column in the Harbor.

Phase I TMDL

As part of the Phase I TMDL for the NY-NJ Harbor, municipal and industrial loads to the Hackensack River, Passaic River, Raritan River, Newark Bay, and Raritan Bay were limited to their existing loads (also known as EEQs)(59FR41293). In addition to establishing these EEQs, additional data collection and modeling for copper, nickel, and lead were required for these waters. The New Jersey Harbor Discharge Group (NJHDG) agreed to conduct the necessary monitoring and modeling.

The monitoring and analysis was conducted by the Great Lakes Environmental Center (GLEC), on behalf of the NJHDG, to determine whether Cu, Ni, Pb, and Hg were present at levels exceeding the SWQSs. Data collection was conducted on the Hackensack River, Passaic River, Raritan River, Newark Bay, and Raritan Bay for the four metals of concern.

Although numerous water quality criteria exceedences were projected for New Jersey tributaries, Raritan Bay, and Newark Bay based upon the 1991 data; the more comprehensive data set collected in 1995 resulted in few potential water quality exceedences with the exception of mercury. Copper and lead concentrations at all sites were below the SWQS, and nickel concentrations were below the criterion in Raritan Bay, Newark Bay, Raritan River, and Passaic River. However, statistical analysis of nickel concentrations in the Hackensack River showed exceedance of the criterion. In addition, mercury was exceeded in all waters with the exception of Raritan Bay (Great Lakes Environmental Center, 1996).

Phase II

Arthur Kill and Kill Van Kull

The 1991 statistical data evaluations for copper in the Arthur Kill and Kill Van Kull did not show potential exceedences, however, model projections did predict exceedences. No actual measurements exceeded the criterion. As a result of the findings made under Phase I, NJHDG, NJDEP, and EPA developed a Phase II Metals TMDL Monitoring and Modeling Program that focused on copper, nickel and lead in the Arthur Kill and Kill Van Kull; in addition to, sampling of nickel in the Hackensack and Passaic Rivers. Additional copper data were collected in 1997 during wet and dry conditions over a ten month period at four stations, two in the Arthur Kill and two in the Kill Van Kull. Data were also collected for combined sewer overflows (CSO), stormwater outfalls (SWO), and point source discharges. The model was re-run using the more recent ambient data and New Jersey specific discharge data. A statistical projection of the ambient data and the model results both support the conclusion that the copper criterion was not likely to be exceeded in either the Arthur Kill or the Kill Van Kull (GLEC, 1998).

The 1991 model projected SWQS exceedences in the Arthur Kill and Kill Van Kull for nickel and lead based on the *total recoverable* form of the metal. Since that time, the water quality standards for nickel and lead in New Jersey had changed to the *dissolved* form of the metal. As a result of the change in the water quality standards, the potential for SWQSs exceedences had to be re-evaluated based on the *dissolved* form. The probability distributions for ambient dissolved lead and nickel were re-analyzed and there were no projected exceedences. The water quality model was then revised to reflect the new dissolved criteria and also did not project any exceedences of criteria for lead or nickel in the Arthur Kill or Kill Van Kull (GLEC, 1998)(Locicero, 1997).

Results

Nickel

The nickel criterion was not exceeded in the Raritan River/Bay and Newark Bay (GLEC, 1996). No exceedences of criteria for nickel were projected in the Arthur Kill or Kill Van Kull (GLEC, 1998)(Locicero, 1997). EPA also determined that the Passaic River did not exceed the criterion for nickel and no TMDL was needed.(USEPA, 1999). EPA is establishing the TMDL for nickel in the Hackensack River at the request of NJDEP.

Lead

The lead criterion was not exceeded in the Hackensack River, Passaic River, Newark Bay, and Raritan River/Bay (GLEC, 1996). No exceedence of criteria for lead were projected in the Arthur Kill or Kill Van Kull (GLEC, 1998)(Locicero, 1997).

Copper

Based on the report submitted by the NJHDG (GLEC, 1996), USEPA agreed that Newark Bay, Hackensack River below the Oradell Dam, Passaic River below the Dundee Dam, Raritan River below Fieldsville Dam, and Raritan Bay were not exceeding the criteria for copper, therefore, no TMDL is required (USEPA 1999). EPA withdrew the copper TMDLs for these waters (FR 49226, September 19, 1997), and also acknowledged that data analysis and modeling projections

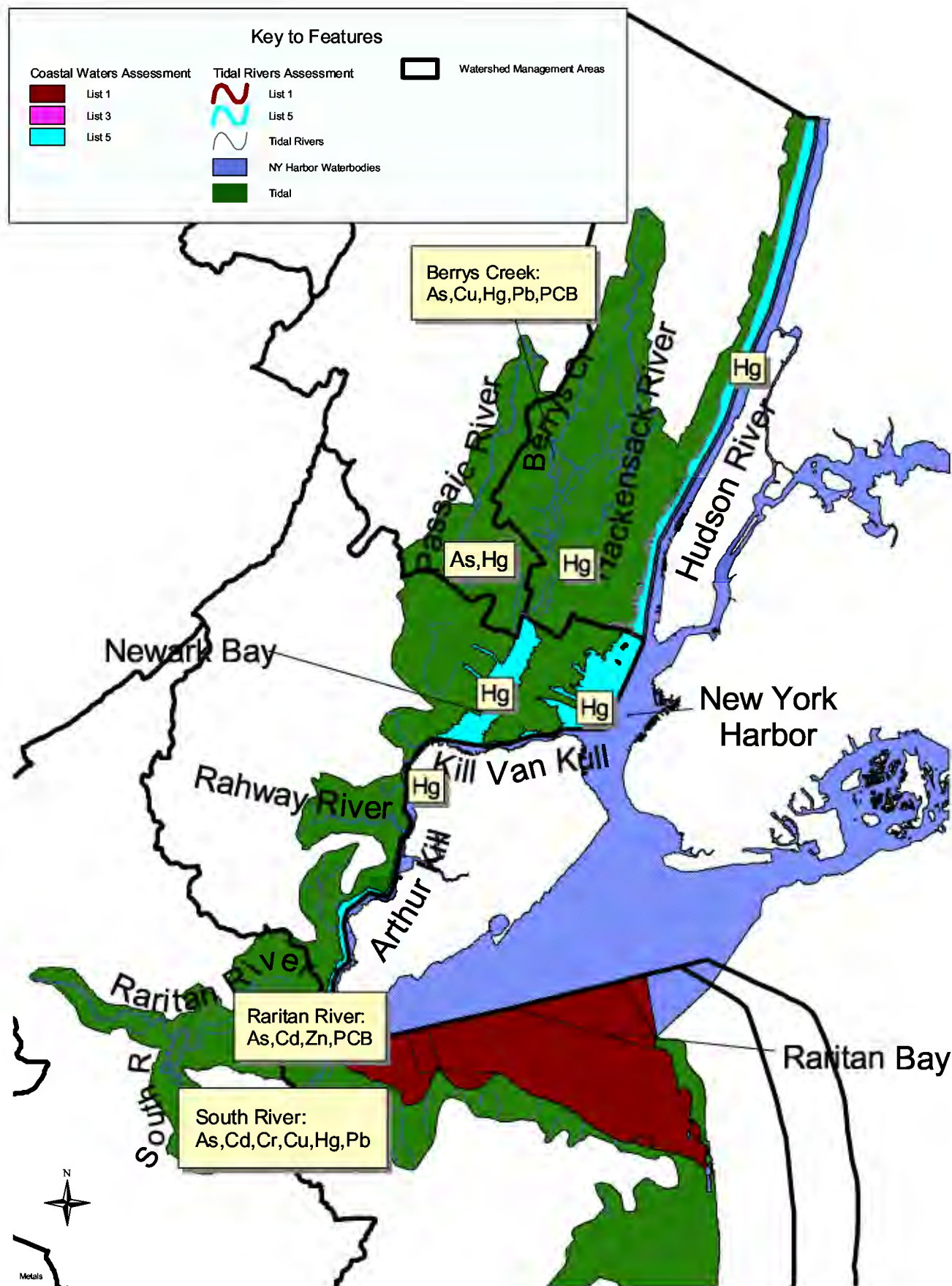
(GLEC, 1998) supported delisting the Kill Van Kull and the Arthur Kill from the 303(d) List (USEPA, 1999).

Mercury Mercury is exceeded everywhere except in Raritan Bay (GLEC, 1996).

Table 4.2b-1 2002 Metal Assessment Results for the NY-NJ Harbor Estuary

<i>WATERBODY</i>	<i>METAL RESULTS</i>				<i>METAL RESULTS</i> 1995 NJHDG Data				2002 303(d) List
	<i>1991 MODEL RUN</i>								
	Ni	Cu ‘	Pb	Hg	Ni	Cu	Pb	Hg	
Passaic R	X	X	X	X				X	List Hg
Hackensack R	X	X	X	X	X			X	Not Listed for Ni, TMDL completed by EPA. List Hg
Raritan R	X	X	X	X				X	List Hg
Raritan Bay	X	X	X	X					Attaining
Newark Bay	X	X	X	X				X	List Hg
Kill Van Kull	X	X	X	X				X	List Hg
Arthur Kill	X	X	X	X				X	List Hg
Note: In a Memorandum of Agreement (May 13, 1999), NJDEP and EPA established a schedule for development of TMDLs in New Jersey. Under this agreement, EPA had committed to completing TMDLs for metals in New Jersey.									

FIGURE 4.2b-1. Metals Status in the NY-NJ Harbor. The toxins PCB, Dioxin, PAH, and Pesticides are on sublist 5 for the entire Harbor



Fecal Coliform and Dissolved Oxygen

Sampling of the interstate waters is conducted by the Interstate Environmental Commission (IEC) at the request of USEPA, Region II under the auspices of the New York- New Jersey Harbor Estuary Program (HEP). The network consists of 42 stations throughout the harbor complex. Some of these stations historically were monitored on the New York edge of the waterbody but were relocated to the mid channel to represent the interstate characteristics of the waterbody.

Overall, the harbor water quality from 1991-2001 is significantly better than pre-1990 conditions. This is the result of:

- construction and upgrading of water pollution control plants;
- increased maintenance of the sewage system (including over 6,000 miles of sewer main);
- increased management of combined sewer overflows;
- the ongoing abatement of illegal discharges; and,
- an enhanced Industrial Pretreatment Program that controls commercial discharges by requiring targeted industries to treat and remove toxics from their wastewater.

The sampling survey consists of two runs per week for five weeks. The survey included wet and dry weather data. See Figure 4.2b-2 for station locations.

Fecal Coliform

The data met the requirements outlined in the Methods Document i.e. 2 or more years of data, minimum 10 samples, and 5 samples within 30 days for geometric mean calculations. Samples were collected during the time of the year when recreation is more prevalent and is considered representative of the water body with regards to the recreation designated use. The harbor area is primarily designated for secondary contact recreation (activities where the probability of ingestion is minimal, including boating and fishing). Data collected over the past five years were used to assess the fecal coliform levels in the harbor area (see Figure 4.2b-2 for station locations)..

The most recent 5 years of IEC data (approximately 50 data points for each station) only violate the SWQS less than 10% of the time (see Figure 4.2b-3 and Table 4.2b-2 for assessment results). This was not surprising as there has been much improvement in the sewerage infrastructure since these waterbodies were listed in the 1980's. In consideration of the recent data, the Department has delisted the harbor waters for fecal coliform. Normally waterbodies delisted by recent data assessments showing compliance with SWQS would be placed on sublist 1. The Department, however, placed the waterbodies in the NY-NJ Harbor on Sublist 3 for recreational use. Although the stations located in the mid-channel areas of the waterbody present a good overview of the waterbody, the Department recognized that a majority of secondary recreation activities occurred closer to the shoreline rather than mid-channel, and questioned whether the mid channel stations would accurately reflect water quality near the shoreline which may be influenced by flows from CSOs. By placing these waterbodies on sublist 3, the Department is acknowledging the possibility of near shore impairments. Additional monitoring and modeling being conducted under the auspices of the NY-NJ Harbor Estuary Program will identify potential designated use impairments. In the meantime, the Department is working with IEC to reevaluate the location sampling stations to better assess all impacts.

Dissolved Oxygen

Dissolved oxygen samples were collected at the surface and near the bottom of the water column monthly during the winter and weekly during the summer months. The assessment was based on approximately 90 samples collected from 1997 to 2001. All stations were assessed as fully attaining (see Figure 4.2b-4). The assessment results are summarized in Table 4.2b-3.

FIGURE 4.2b-2. Station Locations for Dissolved Oxygen and Fecal Coliform Monitoring in the NY-NJ Harbor.

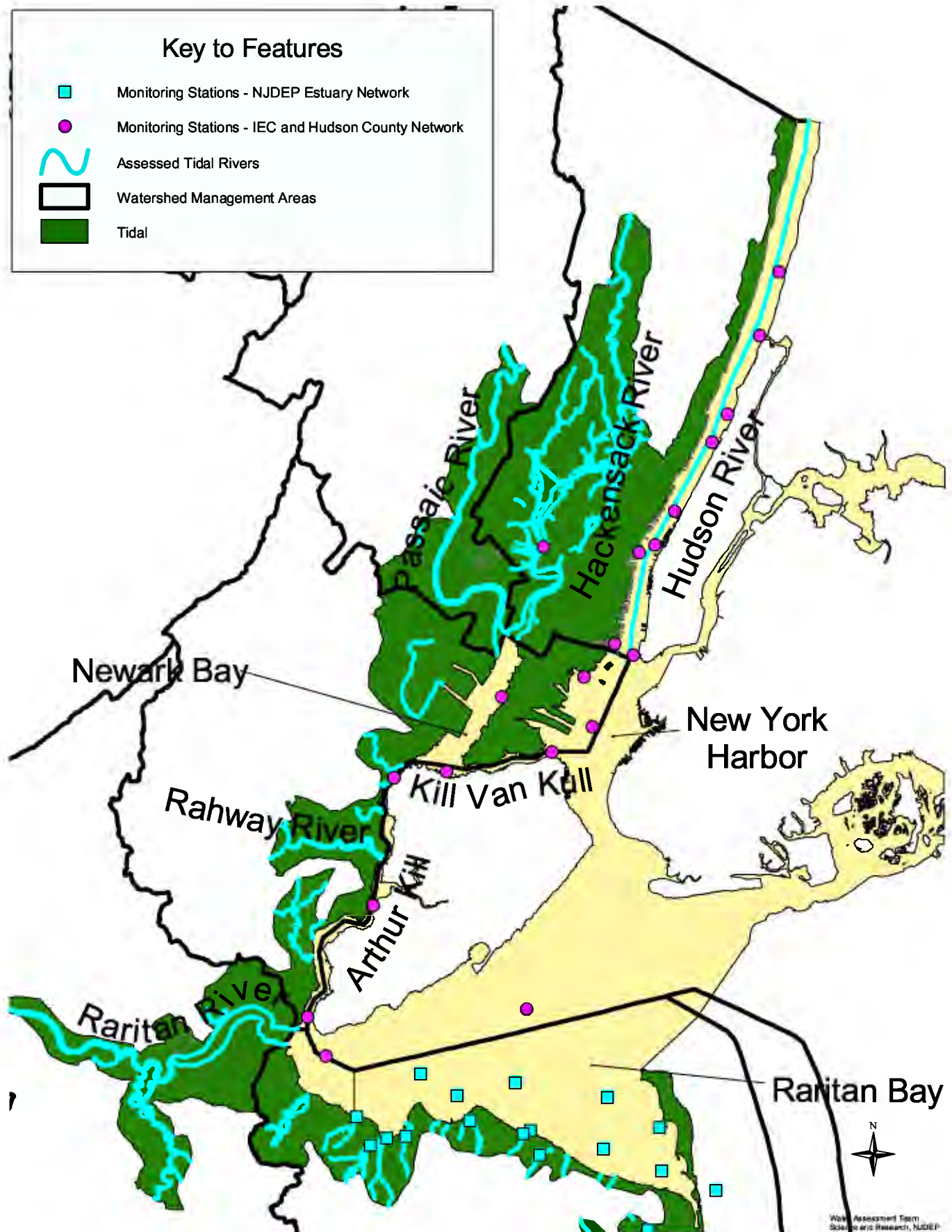


FIGURE 4.2b-3. Fecal Coliform Assessment Results.

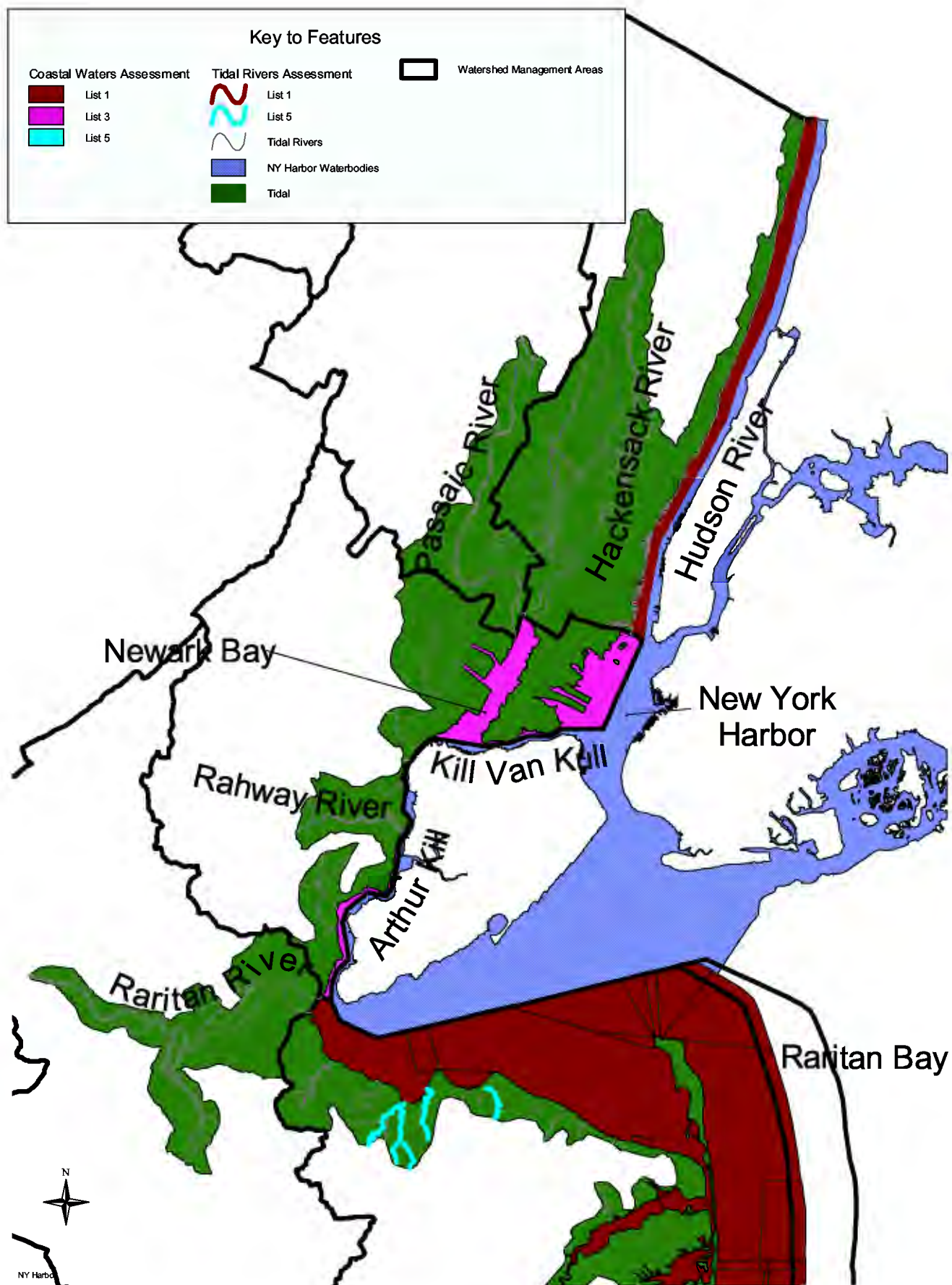


FIGURE 4.2b-4. Dissolved Oxygen Assessment Results.

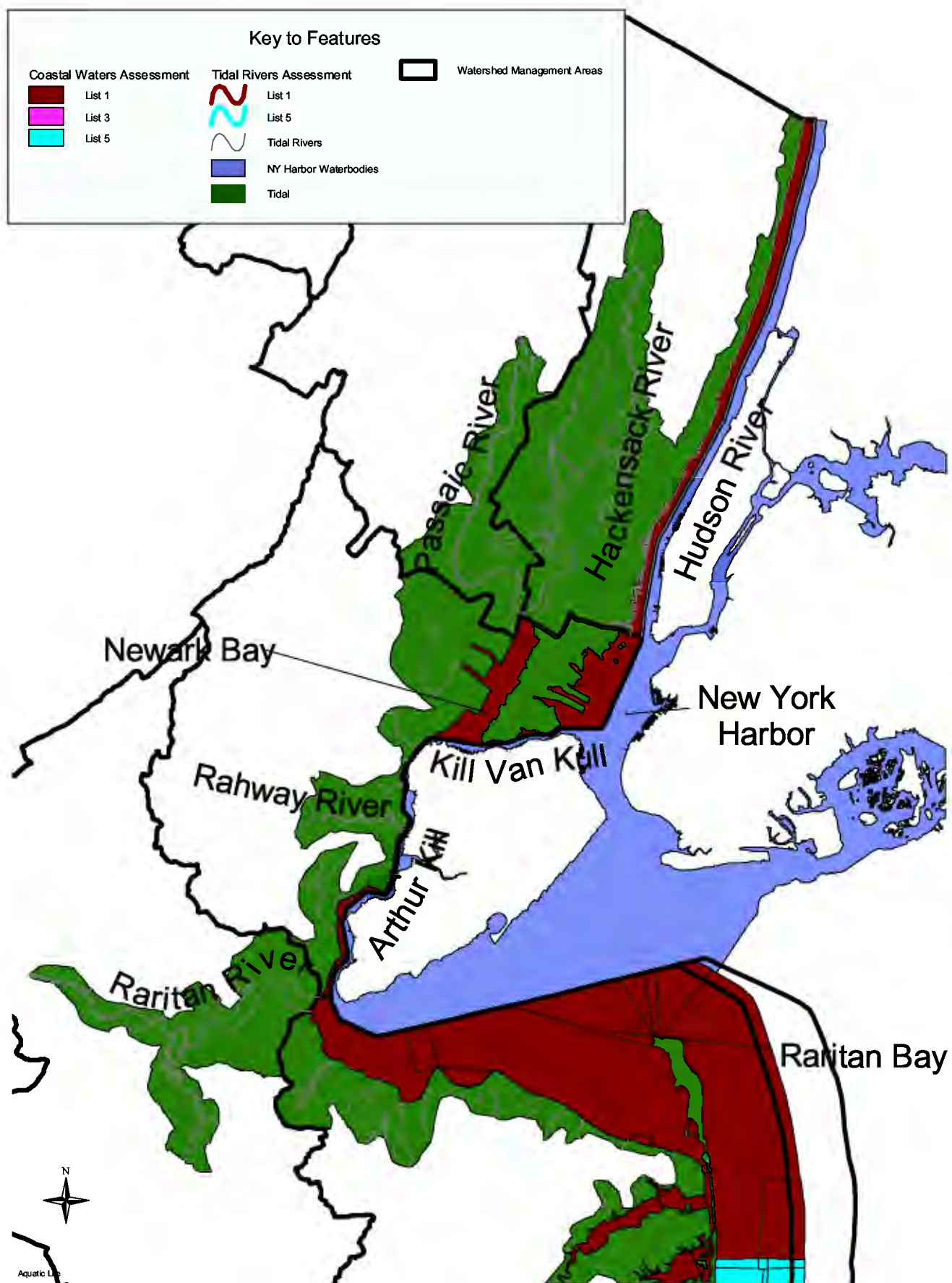


Table 4.2b-2. Assessment Results for Fecal Coliform in the NY-NJ Harbor Estuary

Station	Waterbody	SW Class	Years	FC SWQS (geomean/100ml)	FC (Top) Geomean (per 100ml)	Sample Number	FC (bottom) Geomean (per 100ml)	Sample Number	FC Assessment
K1	Kill Van Kull	SE2/SE3	1997-2001	770/1500	48	68	25	42	Attain
K2	Kill Van Kull	SE3	1997-2001	1500	45	62	9	41	Attain
K3	Arthur Kill	SE3	1997-2001	1500	11	63	110	39	Attain
K4	Arthur Kill	SE3	1997-2001	1500	55	67	53	41	Attain
K5	Arthur Kill	SE2	1997-2001	770	19	68	8	42	Attain
K5A	Raritan Bay	SE1	1997-2001	200(400)	10 (2%)	63	6 (0%)	40	Attain
K6	Raritan Bay	SE1	1997-2001	200(400)	2 (0%)	63	3 (0%)	40	Attain
N1	Hudson River	SE1	1997-2001	200(400)	29 (8%)	66	25 (3%)	36	Attain
N2	Hudson River	SE1/SE2	1997-2001	200(400)/770	34 (8%)	40	33(0%)	36	Attain
N3	Hudson River	SE2	1997-2001	770	47	40	46	35	Attain
N3A	Hudson River	SE2	1997-2001	770	48	41	42	35	Attain
N3B	Hudson River	SE2	1997-2001	770	46	67	37	36	Attain
N4	Hudson River	SE2	1997-2001	770	71	66	42	36	Attain
N5	Hudson River	SE2	1997-2001	770	45	66	17	37	Attain
N6	Hudson River	SE2	1997-2001	770	44	66	0	37	Attain
Location A –	Hackensack River, Secaucus	SE2	summer 2001	770	105	18			Attain
Location B –	Hudson River, Weehawken	SE2	summer 2001	770	115	18			Attain
Location C –	Upper NY Bay, Jersey City	SE2	summer 2001	770	16	18			Attain
Location D –	Newark Bay Hudson County Park;	SE3	summer 2001	1500	52	18			Attain
Location E –	Upper NY Bay, Jersey City	SE2	summer 2001	770	47	13			Attain

Table 4.2b-3. Assessment Results for Dissolved Oxygen in the NY-NJ Harbor Estuary

Station	Waterbody	SW Class	SWQS (not less than)	SWQS (24 hr avg.)	Years	DO: % violations Surface	DO: % violations Bottom
K1	Kill Van Kull	SE2/SE3	4/3 mg/l	NA	1997-2001	0	
K2	Kill Van Kull	SE3	4mg/l	NA	1997-2001	0	
K3	Arthur Kill	SE3	4 mg/l	NA	1997-2001	0	
K4	Arthur Kill	SE3	4mg/l	NA	1997-2001	0	
K5	Arthur Kill	SE2	3mg/l	NA	1997-2001	2	
K5A	Raritan Bay	SE1	4mg/l	5mg/l	1997-2001	2	
K6	Raritan Bay	SE1	4mg/l	5mg/l	1997-2001	0	
N1	Hudson River	SE1	4mg/l	5mg/l	1997-2001	0	
N2	Hudson River	SE1/SE2	4mg/l	5mg/l	1997-2001	0	
N3	Hudson River	SE2	3mg/l	NA	1997-2001	0	
N3A	Hudson River	SE2	3mg/l	NA	1997-2001	0	
N3B	Hudson River	SE2	3mg/l	NA	1997-2001	1	
N4	Hudson River	SE2	3mg/l	NA	1997-2001	0	
N5	Hudson River	SE2	3mg/l	NA	1997-2001	0	
N6	Hudson River	SE2	3mg/l	NA	1997-2001	0	

Section 4.3: Surface Water Quality Monitoring Schedule

Introduction

This section delineates the Department's current surface water monitoring activities and indicates how they relate to the various listings contained within the 2002 Integrated List. Also in this section is a monitoring and assessment plan and schedule for waterbodies currently listed on sublist 3 of the Integrated List.

The Department's monitoring schedule is presented on Table 4.3. The table describes the activities, indicates the scale of the effort (scope), denotes the nature of the funding and shows how the monitoring effort is linked to the 2002 Integrated List. The table also presents a timeline if the monitoring is multi-year.

Sublist 3 represents waters for which data are currently insufficient to properly assess the use support status. In many of these cases, new or additional data must be collected. In other instances, new assessment methods must be developed and these are discussed in this section. This section presents the status of sublist 3 reassessments as of the summer of 2002. The department is continually developing additional workplans and schedules through time to provide the necessary assessments to re-list these waters off of sublist 3, hence, much additional progress will most likely have been accomplished even as this report is finalized.

Table 4.3: Surface Water Quality Monitoring Schedule

**I.
ROUTINE/ONGOING**

MONITORING PROGRAM	DESCRIPTION	SCOPE	FUNDED TO	LINKAGE TO INTEGRATED LIST	COMMENTS	TIME LINE:				
Ambient Biomonitoring Network (AMNET)	single sampling performed on 5-yr rotating basis for benthic macroinvertebrates	freshwater, nontidal stream/rivers, 822 sites	funding based upon consistent ongoing commitment	Provides Aquatic Life Designated Use assessments for rivers and streams	Future modifications to protocol may reclassify AMNET sites on sublist 3	Round III: 7/02-11/02, 4/03-6/03: Upper Del Basin	7/03-11/03: No E Basin	4/04-11/04: Raritan Basin	4/05-11/05, 4/06-11/06, 4/07-6/07: Atlantic and Low Del Basins	7/07: Upper Del Basin
Warmwater Lake Fisheries Assessments	assessments of lake fisheries by Div. Of Fish Game and Wildlife.	fresh water lakes	funding based upon consistent ongoing commitment	provided assessments of Aquatic Life Designated Use attainment for lakes		2002: 3 lakes scheduled for assessment: Monksville Reservoir, DOD Lake, Shawsville Pond. Fieldwork to be completed by 11/02.	2003: 5 to 7 lakes will be assessed, to be selected from the "Warmwater Fisheries Management Plan"			
Fin-fish Integrated Biotic Assessment (IBI)	Assessment of fin-fish community structure	freshwater, nontidal stream/rivers in Northern NJ, aprox. 20 sites sampled per calendar year. Application to southern New Jersey under development.	funding based upon consistent ongoing commitment	currently not linked to 303d. See "Comments" Field	DEP is currently investigating how to integrate multiple biotic indicators	2000 & 2001 monitoring completed and reports generated	2002 Monitoring completed with 16 stations sampled (drought required curtailment of monitoring due to low stream flows)	2003 - Twenty stations projected to be sampled	2004 - Twenty new stations projected to be sampled. This will complete the first "round" of monitoring and will establish the North Jersey network.	2005 - Second round of monitoring will be initiated.
DEP/USGS Cooperative Ambient Network	Cooperative program between NJDEP and USGS. Quarterly sampling of sanitary/physical/chemical parameters plus chla.	freshwater, nontidal stream/rivers, 115 sites	funding based upon consistent ongoing commitment	general stream physical & sanitary quality	note: Sanitary monitoring = 5X in 30 days during May 1-Sept 30	Quarterly ea. yr.: Nov 1-Dec 15, Feb 1-Mar 15, May 1-June 15, Aug 1-Sept 15				

Table 4.3 continued

MONITORING PROGRAM	DESCRIPTION	SCOPE	FUNDED TO	LINKAGE TO INTEGRATED LIST	COMMENTS	TIME LINE:				
Supplemental Ambient Surface water Monitoring	Approximately 200 sites. Each site sampled quarterly for 2 years for physical/chemical parameters	Freshwater, largely nontidal stream/rivers, some tidal sites included. Represents supplemental monitoring covering locations not assessed in DEP/USGS network	Funded for 4 years, 3rd project yr. will begin as of 10/02	general stream physical/chemical quality	Formally termed the "Existing Water Quality Network" (EWQ)	Each site sampled quarterly ea. yr.: Jan 1-Mar 31, April 1-June 30, July 1-Sept 30, Oct 1-Dec 31.	Beginning in Oct. 02 Monitoring will occur in WMAs 2, 4, 5, 7, 11, 13, 14, 15, 16, 17, 20.			
Diurnal Dissolved Oxygen Monitoring	Summertime diurnal dissolved oxygen monitoring performed on an "as needed" basis.	freshwater, stream/rivers, covers locations assessed in other networks as having known or suspected DO violations	varies year to year depending on available funding	nutrient enrichment and associated depressed DO in fresh waters	Goal of monitoring 20 stations per fiscal year.	Highly variable				
Watershed "Hot-Spot" Investigations	Quick response sampling to investigate water quality issues raised through one of the other routine monitoring programs	can occur anywhere statewide	No funding during FY03 for this activity.	used to confirm unusual sampling results or investigate issues raised by the Department or by watershed cooperators						
Shellfish Sanitation Monitoring	Monitoring of over 2,500 sites between 5 & 12 times per yr. In accordance with the National Shellfish Sanitation Program for sanitary quality in support of shellfish consumption	tidal rivers, back bays, estuaries, inlets and open ocean	funding based upon consistent ongoing commitment	provides assessment of shellfish consumption use attainment for coastal waters and source and cause assessments	sanitary surveys are conducted as part of the program to determine sources of bacterial contamination					
Marine and Estuarine Monitoring	quarterly sampling of 260 sanitary/physical/chemical parameters plus chl a	tidal rivers, back bays, estuaries, inlets and open ocean	funding based upon consistent ongoing commitment	provides assessment of Aquatic Life Use attainment (coastal waters)						

Table 4.3 continued

MONITORING PROGRAM	DESCRIPTION	SCOPE	FUNDED TO	LINKAGE TO INTEGRATED LIST	COMMENTS	TIME LINE:				
Cooperative Coastal Monitoring Program	Cooperative program between NJDEP, NJ Dept. of Health and Senior Services and local health agencies. Beaches are monitored for sanitary quality weekly between Memorial Day and Labor Day at 179 ocean beaches and 139 bay beaches	Ocean and bay bathing beaches	funding based upon consistent ongoing commitment	assesses recreational use attainment in ocean and bay bathing beaches	results of monitoring are used to open or close beaches to protect public health	performed annually during bathing beach season				
EPA Region II Helicopter Monitoring	Overflights sample ocean DO and temperature during the critical summer period (May through September).	10 eastward ocean transects from Sandy Hook to Cape May. Samples taken at 1, 3, 5, 7 & 9 mile points. NJ assesses the 1 & 3 mile stations; those within NJ's jurisdictional authority	funding based upon consistent ongoing commitment	provides assessment of Aquatic Life Use attainment for ocean waters based upon DO levels		performed annually during bathing beach season				
Sediment Toxicity Testing	Chronic toxicity test (14 day) performed on sediment from "severely impaired" AMNET sites		5 sites per yr.	Assess cause of impairment in severely impaired benthic macroinvertebrate sites (sites on sublist 5)						

Table 4.3 continued

II. SPECIAL STUDIES										
MONITORING PROGRAM	DESCRIPTION	SCOPE	FUNDED TO	LINKAGE TO INTEGRATED LIST	COMMENTS	TIME LINE:				
Cooper R/Pennsauken Cr TMDL monitoring	bacteriological monitoring to support TMDL	Sites Listed in 303(d) (sub-list 5)	To completion (10/02)	303(d) Fecal coliform violation in the 2 watersheds		Ongoing. Anticipated completion in 10/02.				
Rancocas Basin TMDL Monitoring	Sanitary monitoring under both high and low flow conditions to support TMDL	Sites Listed in 303(d) (sub-list 5)		303(d) Fecal coliform violations in the watershed (including the 3 sites currently listed)						
303(d) Heavy Metals Monitoring	High and low flow monitoring of a suite of metals	fresh water rivers and streams previously listed on NJ's 303(d) List for metals	funds currently sufficient to cover only limited high flow monitoring by EPA. Additional funding needed to complete high flow monitoring at all scheduled sites	Necessary to complete assessment of current ambient status of heavy metal listing in NJ's 303(d) List	Low flow monitoring completed	Low flow monitoring completed. Very limited high flow work ongoing due to lack of funding				
New Fish Tissue Monitoring	Fish and shellfish species currently under consumption advisories will be collected and analyzed for organochlorinated pesticides, dioxin/furan and mercury.	Sampling will be conducted statewide over a period of 5 years and includes freshwater rivers, lakes, estuaries and marine waters.	Funded to end of 02. Funding for 03 under consideration. Later years not yet under discussion	Updates body burden status of all fish tissue consumption advisories statewide for organochlorinated pesticides, dioxin/furan and mercury		2002 (year 1) Passaic River Region - ongoing	2003: Raritan River Region	2004: Atlantic Coastal Region	2005: Delaware River Region, 2006: Marine and Estuarine Regions	

Table 4.3 continued

MONITORING PROGRAM	DESCRIPTION	SCOPE	FUNDED TO	LINKAGE TO INTEGRATED LIST	COMMENTS	TIME LINE:				
Algal Biostimulation Assessments	Assessment of phosphorus as limiting nutrient at selected sites. Note: this methodology is still undergoing development	freshwater rivers and streams listed in 303(d) for Total Phosphorus	funded through 2003. Expected funding for 16 sites in 2004.	assess phosphorus as limiting nutrient in waters listed on 303(d) for phosphorus	methodology is still undergoing development					
Round Valley/Spruce Run Monitoring	Water quality assessment of the reservoirs in relation to the water withdraws and resulting water level fluctuations	limited to the two reservoirs.	Funding to be provided by State Treasurer on as need basis.	Spruce Run Reservoir is on the 303(d) List due to an impaired fishery brought about by frequent and significant water withdrawals	Required by State law	Monitoring to be conducted as necessary to establish impacts to both reservoirs from withdrawal and pump-up.				

Monitoring and Assessment Schedule for Waters on Sublist 3 of the 2002 Integrated List

The waterbodies currently listed on sublist 3 of the Integrated List can be subdivided into 5 categories:

1. Benthic macroinvertebrate sites from pinelands waters and those delineated as “unique.”
2. Eutrophic lakes assessed by *Lake Water Quality Assessment Reports* or *Lake Intensive Surveys* for which the Department has no use impairment information.
3. DEP-USGS Ambient Stream Monitoring Network (Statewide Status Sites) possessing insufficient data to support full assessments.
4. Selected metal listings.
5. A limited selection of coastal shellfish sites.
6. Sanitary assessments for the NJ-NY Harbor waters within New Jersey’s jurisdiction.
7. Two recreational lakes for which bathing beach status is unclear.

NJDEP’s plan to reassess sublist 3 waters for reassignment to one of the other four sublist categories within the Integrated List is as follows.

1. Reassessment Of Benthic Macroinvertebrate Sites Assigned To Sublist 3 Of The Integrated List

The Department is exploring both short and long term assessment methods. Short term methods would be put into place relatively quickly, use existing data and allow a reassessment of some portion of the sublist 3 waters. These short term efforts would eventually give way to longer term methods which would require metric development or a some significant change in protocol and may require several years to develop.

Pinelands (PL) Waters

Short-term assessment: DEP is considering the use of finfish assessments by Pinelands Commission to isolate background (undisturbed) PL sites from sites displaying obvious anthropogenic disturbance.

Long-term: use of multi-metric assessment method applied to macroinvertebrates if possible. Sampling in support of this approach is anticipated to be completed at the end of 2002. This will be followed by the development and evaluation of assessment metrics. Metric development (DEP in cooperation with EPA Region II) is anticipated to take possibly 2 years.

Assessment of Headwaters Stream (watershed less than 6 sq. mi.):

Short term: a combination of *weight of evidence* possibly combined with an *indicator species approach*. Weight of evidence takes into account the condition of neighboring sites, surrounding landuse and relies on a preponderance of evidence as to whether the existing assessment is supported or should be called into question. The indicator species approach looks at the community of a site for the presence of pollution intolerant organisms. Towards this end, NJDEP and USGS are looking at the possibility of applying multivariate methods to explore the statistical certainties of the indicator species approach to categorizing headwater streams.

Long Term: Develop new macroinvertebrate metrics to be applied to headwaters. No states or EPA Regions have developed headwater metrics as yet. EPA Region II is assisting by investigating work directed towards the assessment of headwaters by other investigators.

Sites Immediately Downstream of Impoundments:

Sites will be re sampled either upstream of the impoundment, or further downstream of the lake, out if its zone of influence.

2. Eutrophic lakes assessed by Lake Water Quality Assessment Reports or Lake Intensive surveys for which the Department has no information indicating Use Impairment.

The Department does not currently have a lakes monitoring program. There are, however, discussions as to the feasibility of developing a program for public lakes. If such is developed, lakes listed on sublist 3 could be prioritized for use support status assessments.

3. DEP-USGS Ambient Stream Monitoring Network sites (Statewide Status Sites) possessing insufficient data to support full assessment.

Statewide Status Sites are designed to support statewide probabilistic water quality assessments. Annually, 40 stations were selected randomly from a network of over 800 AMNET locations and monitored quarterly for one year. Many of these sites had insufficient data for water quality assessments and were placed on sublist 3. The Department's response to these listings is to continue to amass data from this network in a stratified random manner until enough is collected sufficient to support a stratified probabilistic assessment as to the statistical probability of a particular site being impaired or not impaired.

At this time, NJDEP has many response options that have yet to be discussed. The Department might use the strength of the probabilistic assessment to decide that a location has a high likelihood of being impaired and schedule the location (as a high priority) to for intensive water quality investigations to confirm their status. Those locations possessing low statistical likelihood of being impaired might be assumed to be unimpaired or perhaps be scheduled for low priority follow-up assessment to confirm their status. These and other possible responses will be discussed within the Department in the months ahead.

4. Metal listings:

- a. Sites previously listed in 303(d) for which current monitoring (high and low flow) reveals no detection of the metal, however, the metal criterion is below the method detection limit (MDL) for the analysis currently employed.**
- b. Sites not previously listed in 303(d) for which new data (low and high flow) do not exceed any criteria but the criteria is below the MDL (and/or) if only low flow data is available and does not exceed any criteria. High flow data is still pending.**

Certain metals such as arsenic, mercury, and cadmium have criteria in NJ's Surface Water Quality Standards that are below the method detection limit (MDL) for the laboratory analysis currently employed by NJDEP and USGS. For these sites on sublist 3, current sampling has detected no metals. However, to ensure that there are no exceedances above the criteria, more sensitive analytical methods with lower MDLs (at or below these criteria) will need to be employed. The Department is currently discussing various analytical options with the USGS that could be applied to the Ambient Stream Monitoring Network (ASMN) in order to significantly lower the current levels of detection for these selected metals.

For sites not previously listed on 303(d), where low flow data are acceptable, but high flow data has yet to be collected; the Department will make every effort to ensure timely collection of high flow data in order to complete the metal assessments.

Coastal Shellfish Sites

The sanitary fitness of two regions for the support of shellfish harvesting, the Cape May Canal and in a region running from Cherry Tree Creek to Artificial Island, are currently unclear. Cape May Canal was listed based solely on land use and not collected data. The Cherry Tree Creek has not been monitored since the 1970's and has been classified as Special Restricted ever since. The status of both regions is expected to be clarified with new data within the near future.

5. Sanitary assessments for the NJ-NY Harbor waters contained within New Jersey's jurisdiction

The most recent 5 years of Interstate Environmental Commission (IEC) data did not reveal violations the SWQS for recreation designated use. This was not surprising as there has been considerable improvement to the sewerage infrastructure since the listing of these waterbodies in the 1980's. In consideration of the recent data, the Department was considering delisting these waterbodies, however, decided to place them on sublist 3 rather than sublist 1. The stations used in the assessment (and to list the waterbodies originally) are located in the mid-channel of the waterbodies in question and these locations, while serving to provide a good overview of general water quality, do not reflect conditions near the shore line where most secondary recreation occurs. The Department also questioned whether the mid-channel stations would accurately reflect water quality near the shoreline which may be influenced by CSO flows. In view of this, the waterbodies were placed on sublist 3. NJDEP plans to work with the IEC to modify their sampling plan and conduct additional monitoring to insure that near-shore waters also meet the SWQS for fecal coliform.

8. Two recreational lakes for which bathing beach status is unclear

In these cases the beaches were either closed or data were not provided. This represents Wood Lake in Medford Township and Sachaawea Camp on Gorden Lake in West Millford Township. The Department will work with the New Jersey Department of Health and Senior Services (NJDHSS) and the Department's Cooperative Coastal Monitoring Program to obtain assessment for the lakes in question.

List of Acronyms

Act: Federal Clean Water Act
AMNET: Ambient Biological Monitoring Network
ASMN: Ambient Stream Monitoring Network
Ag: Silver
As: Arsenic
AQLa: Aquatic Life Acute
AQLc: Aquatic Life Chronic
BBEP: Barnegat Bay Estuary Program
BFF: Bureau of Freshwater Fisheries
CCMP: Comprehensive Conservation and Management
Cd: Cadmium
Cr: Chromium
CSO: Combined Sewer Overflow
Cu: Copper
DO: Dissolved Oxygen
DRBC: Delaware River Basin Commission
DVRPC: Delaware Valley Regional Planning Commission
FC: Fecal Coliform
FW: Fresh Water
FW1: Fresh Water Category 1
FW2: Fresh Water Category 2
GIS: Geographic Information Systems
Harbor: NY-NJ Harbor
Hg: Mercury
HEP: Harbor Estuary Program
HH: Human Health
HUC: Hydrologic Unit Code
IBI: Index of Biotic Integrity
IEC: Interstate Environmental Commission
MDL: Method (minimum) Detection Limit
MPN: Most Probable Number (for Fecal Coliform bacteria)
MSW: Municipal Solid Waste
NAWQA: National Ambient Water Quality Assessment
NJDWSC: North Jersey District Water Supply Commission
NJDEP: New Jersey Department of Environmental Protection
N.J.A.C.: New Jersey Administrative Code
NJADN: New Jersey Atmospheric Deposition Network
NJWSA: New Jersey Water Supply Authority
NJDHSS: New Jersey Department of Health and Senior Services
NJHDG: New Jersey Harbor Discharge Group
NJR: New Jersey Register
NRCS: Natural Resources Conservation Service
NSSP: National Shellfish Sanitation Program

Ni: Nickel
NO₃: Nitrate
PAC: Public Advisory Committee
PAH: Polycyclic Aromatic Hydrocarbon
PCB: Polychlorinated Biphenyl
Pb: Lead
PL: Pinelands
RATS: River Assessment Teams
RF3: River Reach File 3
RPP: Regional Planning Partnership
SCMUA: Sussex County Municipal Utilities Authority
Se: Selenium
Sq Mi: Square Miles
SWAP: Source Water Assessment Program
SWO: Stormwater Outfall
SWQS: Surface Water Quality Standards
TAC: Technical Advisory Committee
TCE: Tetrachloroethylene
TDS: Total Dissolved Solids
Th: Thallium
TMDL: Total Maximum Daily Load
TSS: Total Suspended Solids
TP: Total Phosphorus
UIA: Unionized Ammonia
UWNY: United Water of New York
UWNJ: United Water of New Jersey
USEPA: US Environmental Protection Agency
USGS: US Geological Survey
WMA: Watershed Management Area
WQ: Water Quality
Zn: Zinc

Literature Cited

Bauder, J, 1998. When is Water Good Enough for Livestock. Montana State University. Online. Internet. July 9, 2000.

Belton, T.J. and J. Defina. 2000. Pilot Study: GIS-Based Trackdown of Pollution Sources from Known Contaminated Sites to the NY/NJ Harbor. (Proposal to USEPA Region 2, Harbor estuary Program: Funded FY 2000).

Belton, T.J., Ruppel, B. and K. Lockwood. 1982. PCBs (Aroclor 1256) in Fish Tissues throughout the State of New Jersey: A Comprehensive Survey. Office of Cancer and Toxics Substances Research, New Jersey Department of Environmental Protection. Technical Report. November 1982.

Belton, T.J., Hazen, R., Ruppel, B., Lockwood, K., Mueller, R. Stevenson, E. and J. Post. 1985. A Study of Dioxin (2,3,7,8,-TCDD) Contamination in Select Finfish, Crustaceans and Sediments in New Jersey. Office of Science and Research, New Jersey Department of Environmental Protection. Technical Report. October 1985.

Eisenreich, Steven J. and John Reinfelder, 2001, Interim Report to the New Jersey Department of Environmental Protection, March 2001, The New Jersey Atmospheric Deposition Network, Department of Environmental Sciences, Rutgers University, New Brunswick, NJ 08901.

Follet, R.H. and Soltanpour,P, 1999. Irrigation Water Quality Criteria. Colorado State University Cooperative Extension. Online. Internet. July 9, 2000.

Jaworski, N.A., Howarth, R.W. and L.J. Hetling, 1997. Atmospheric Deposition of Nitrogen Oxides onto Landscape Contributes to Coastal Eutrophication in the Northeast United States, Environ. Sci. Technol. 1997, 31, 1995-2004.

Hickman, R.E. and T.H. Barringer, 1999. Trends in Water Quality of New Jersey Streams, Water Years 1986-95. US Geological Survey Water-Resources Investigations Report 98-4204. West Trenton, New Jersey.

Kennen, J.G. 1999. *Relation of Macroinvertebrate Community Impairment to Catchment Characteristics in New Jersey Streams*. Journal of the American Water Resources Association. 35 (4): 939-955.

Niles, L., Clark, K., Stansley, W. and T.J. Belton. 2000. Monitoring Contaminants in Raptors in the Lower Delaware River Basin: Bioindicator Development and Source Trackdown. (Proposal to NJDEP/DWM. Funded FY 2000).

N.J.A.C. 7:9B New Jersey Surface Water Quality Standards

NJDEP. 1994. Mercury Contamination in New Jersey Freshwater Fish. Report to the Toxics in Biota Committee. July 1994.

NJDEP, 1996. New Jersey 1996 State Water Quality Inventory Report. Office of Environmental Planning, Trenton, New Jersey.

NJDEP, 1998. New Jersey 1998 State Water Quality Inventory Report. Division of Science, Research and Technology. Trenton, New Jersey.

NJDEP, 2001. 2000 New Jersey Water Quality Inventory Report 305(b). Division of Science, Research and Technology. Trenton, New Jersey.

NJDEP, 1998. Warmwater Fisheries Management Plan. January 1998. Division of Fish, Game and Wildlife, Bureau of Freshwater Fisheries, Trenton, NJ.

NJDEP, 2000a. Report on the Establishment of Total Maximum Daily Load (TMDL) for Phosphorus in Lower Sylvan Lake, Burlington Township, Burlington County, NJ, June 12, 2000, Proposed Amendment to the Tri-County Water Quality Management Plan. Division of Watershed Management, Trenton, NJ.

NJDEP, 2000b. Report on the Establishment of Total Maximum Daily Load (TMDL) for Phosphorus in Strawbridge Lake, Moorestown Township, Burlington County, NJ, May 31, 2000, Proposed Amendment to the Tri-County Water Quality Management Plan. Division of Watershed Management, Trenton, NJ.

NJDEP, 2002. Integrated Water Quality Monitoring and assessment Methods. November, 2002. Division of Science, Research and Technology. Trenton, New Jersey.

NOAA. 1997. The 1995 National Shellfish Registry of Classified Growing Waters, Office of Resources conservation and Assessment, National Ocean Service, National Oceanic and Atmospheric Administration, US Dept. Commerce, July 1997.

O'Brien, Anne K, 1997. Presence and Distribution of Trace Elements in Streambed Sediments, New Jersey. US Geological Survey Fact Sheet FS-049-97. West Trenton, New Jersey.

Seitzinger, S. P. and R.W. Sanders, 1999. Atmospheric Inputs of Dissolved Organic Nitrogen Stimulate Estuarine bacteria and Phytoplankton. Limnol. Oceanogr. 44:721-730.

USEPA, 1999. The Helicopter Monitoring Report, A Report on the New York Bight Water Quality, Summers of 1997 and 1998. EPA 902/R-99-001, February 1999.

USEPA. 2001. Memorandum from Robert H. Wayland III to EPA Regional Water Management Directors, Science and Technology Directors and State, Territory and

Authorized Tribe Water Quality Program Directors. Re: 2002 Integrated Water Quality Monitoring and Assessment Report Guidance. November 19, 2001.

USEPA. 2002. Consolidated Assessment and Listing Methodology: Toward a Compendium of Best Practices. First Edition. July 2002. U.S. Environmental Protection Agency. Office of Wetlands, Oceans, and Watersheds

US Geological Survey, 1996. Water Resources Data, New Jersey Water Year 1995, Volume 1. Surface-Water Data. USGS Water-Data Report NJ-95-1. West Trenton, New Jersey.

US Geological Survey, 1997. Water Resources Data, New Jersey Water Year 1996, Volume 1. Surface-Water Data. USGS Water-Data Report NJ-96-1. West Trenton, New Jersey.

US Geological Survey, 1998. Water Resources Data, New Jersey Water Year 1997, Volume 1. Surface-Water Data. USGS Water-Data Report NJ-97-1. West Trenton, New Jersey.

US Geological Survey, 1999. Water Resources Data, New Jersey Water Year 1998, Volume 3. Water-Quality Data. USGS Water-Data Report NJ-98-1. West Trenton, New Jersey.

US Geological Survey, 2000. Water Resources Data, New Jersey Water Year 1999, Volume 3. Water-Quality Data. USGS Water-Data Report NJ-99-1. West Trenton, New Jersey.

US Geological Survey, 2001. Water Resources Data, New Jersey Water Year 2000, Volume 3. Water-Quality Data. USGS Water-Data Report NJ-00-1. West Trenton, New Jersey.

Zimmer, B.J. and S. Groppenbacher, 1999. New Jersey Ambient Monitoring Program Report on Marine and Coastal Water Quality, 1993-1997. NJDEP, Bureau of Marine Water Monitoring, Leeds Point, New Jersey.

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Atlantic Coast	12	Big Brook at Laurelwood Dr in Colts Neck	57	Nitrate	Monmouth Co HD
Atlantic Coast	12	Big Brook at Maywood Drive in Marlboro	21	Nitrate	Monmouth Co HD
Atlantic Coast	12	Bordons Brook at Route 520 in Holmdel	54	Nitrate	Monmouth Co HD
Atlantic Coast	12	Doctors Creek at Route 539 in Upper Freehold	3	Fecal Coliform, Nitrate	Monmouth Co HD
Atlantic Coast	12	Gravelly Brook at Lloyd Rd in Marlboro	20	Fecal Coliform, Nitrate	Monmouth Co HD
Atlantic Coast	12	Haystack Brook at Maxim-Southard Rd in Howell	18	Phosphorus, Nitrate	Monmouth Co HD
Atlantic Coast	12	Hollow Brook at Route 35 in Neptune Twp	10	Phosphorus, Nitrate	Monmouth Co HD
Atlantic Coast	12	Husky Brook at South St in Eatontown	33	Phosphorus, Nitrate	Monmouth Co HD
Atlantic Coast	12	Jumping Brook at Green Grove	01407720	Phosphorus, Fecal Coliform, Temperature, Nitrate, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	12	Lafetras Brook at Hope Rd in Tinton Falls	32	Nitrate	Monmouth Co HD
Atlantic Coast	12	Lake Lefferts at Rt 34 - Buttonwood Manor in Matawan	66	Phosphorus, Fecal Coliform, Nitrate	Monmouth Co HD
Atlantic Coast	12	Lake Matawan at Main St in Matawan	65	Fecal Coliform	Monmouth Co HD
Atlantic Coast	12	Long Brook at Howell Rd in Howell	25	Nitrate	Monmouth Co HD
Atlantic Coast	12	Long Brook at Wyckoff Mills	01407868	Phosphorus, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	12	Manasquan Reservoir-12	Manasquan Reservoir	Aquatic Life	NJDEP Freshwater Fisheries
Atlantic Coast	12	Manasquan River at Hospital Rd in Wall Twp	AN0498	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Manasquan River at Squankum	01408000, 12-MA-1, 12-MA-2, 12-MA-3	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Chromium, Copper, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Atlantic Coast	12	Manasquan River Estuary	Manasquan River Estuary-1: Upper Manasquan R, Manasquan River Estuary-2: Manasquan R	Dissolved Oxygen, Fecal Coliform	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	12	Manasquan River Estuary	Manasquan River Estuary-3: Manasquan R	Fecal Coliform	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	12	Marsh Bog Brook at Preventorium Rd in Howell	24	Phosphorus, Nitrate	Monmouth Co HD
Atlantic Coast	12	Marsh Bog Brook at Squankum	01407997	Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	12	Millstone River at Route 33 in Millstone	5	Nitrate	Monmouth Co HD

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Atlantic Coast	12	Mine Brook at Mercer Rd in Colts Neck	58	Phosphorus, Fecal Coliform, Nitrate	Monmouth Co HD
Atlantic Coast	12	Mingamahone Brook near Earle	01408009	Phosphorus, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	12	Mingomohone Brook at Belmar Blvd in Farmingdale	23	Phosphorus, Fecal Coliform, Nitrate	Monmouth Co HD
Atlantic Coast	12	Navesink River Estuary	Shrewsbury/Navesink Estuary-4 thru 7	Dissolved Oxygen, Fecal Coliform	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	12	Pine Brook at Hockhockson Rd in Tinton Falls	34	Phosphorus, Nitrate	Monmouth Co HD
Atlantic Coast	12	Poplar Brook at Deal	01407630	Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	12	Poplar Brook at Ocean Ave in Deal	59	Nitrate	Monmouth Co HD
Atlantic Coast	12	RamanessIn Brook at Willow Rd in Holmdel	53	Nitrate	Monmouth Co HD
Atlantic Coast	12	Shadow Lake-12	Shadow Lake	Aquatic Life	NJDEP Freshwater Fisheries
Atlantic Coast	12	Shark River Brook at Shark River Station Rd in Tinton Falls	30	Fecal Coliform, Nitrate	Monmouth Co HD
Atlantic Coast	12	Shark River Estuary	Shark River Estuary-1: Shark R	Fecal Coliform	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	12	Shrewsbury River Estuary	Shrewsbury/Navesink Estuary-1 thru 3	Dissolved Oxygen, Fecal Coliform	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	12	Squankum Brook at Easy St in Howell	16	Phosphorus, Nitrate	Monmouth Co HD
Atlantic Coast	12	Squankum Brook at Spur 549 in Howell Twp	AN0497	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Stan Brook at Easy St in Howell Twp	AN0496	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Town Brook at Middletown	01407090	Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	12	Trout Brook at Richdale Rd in Colts Neck	55	Phosphorus, Nitrate	Monmouth Co HD
Atlantic Coast	12	Whale Pond Brook at Route 35 in Eatontown	31	Nitrate	Monmouth Co HD
Atlantic Coast	12	Willow Brook at Willow Brook Rd in Holmdel	52	Nitrate	Monmouth Co HD
Atlantic Coast	12	Wreck Pond Brook at Allenwood Rd in Wall	14	Phosphorus, Nitrate	Monmouth Co HD
Atlantic Coast	12	Yellow Brook at Elton-Adelphia Rd in Howell	15	Phosphorus, Fecal Coliform, Nitrate	Monmouth Co HD
Atlantic Coast	12	Yellow Brook near Malboro	01407360	Phosphorus, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Atlantic Coast	13	Barnegat Bay	Barnegat Bay-32: East Of Clam Island (Bb), Barnegat Bay-6: Barnegat Bay - Toms River	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	13	Barnegat Bay	Barnegat Bay-1 thru 40	Dissolved Oxygen, Fecal Coliform	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	13	Cedar Brook at Cedar Crest	01408830	Phosphorus, Fecal Coliform, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	13	Cedar Creek at Rt 9 in Lacey Twp	AN0549	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Davenport Br at Mule Rd in Berkeley Twp	AN0541	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Deer Head Lake-13	Deer Head - Upper Beach	Fecal Coliform	Sussex Co HD
Atlantic Coast	13	Echo Lake at Maxim-Southard Rd in Howell	67	Phosphorus, Fecal Coliform, Nitrate	Monmouth Co HD
Atlantic Coast	13	Forked River N Br near Forked River	01409050	Phosphorus, Fecal Coliform, pH, Temperature, Dissolved Oxygen, Nitrate, TSS, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	13	Forked River NB near Forked River	01409050	Phosphorus, Nitrate, Fecal Coliform, pH, Dissolved Oxygen, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	13	Four Mile Br at Oxycocus St in Stafford Twp	AN0554	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Harry Wrights Lake-13	Harry Wright Lake High Beach and Low Beach	Fecal Coliform	Ocean Co HD
Atlantic Coast	13	Haystack Brook (Muddy Ford Bk) at Greenville Rd in Howell Twp	AN0505	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Horicon Lake-13	Lake Horicon Beach - North and South	Fecal Coliform	Ocean Co HD
Atlantic Coast	13	Little Egg Harbor	Little Egg Harbor-1 thru 4	Fecal Coliform	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	13	Little Egg Harbor	Little Egg Harbor-1: Little Egg Harbor	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	13	Manahawkin Bay	Manahawkin Bay-1 thru 10	Fecal Coliform	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	13	Manahawkin Bay	Manahawkin Bay-1: East Of Clam Island (Bb)	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	13	Manahawkin Lake-13	Manahawkin Lake	Oligotrophic	NJDEP Clean Lakes Program
Atlantic Coast	13	Maple Root Br at Bowman Rd near Homansville	01408285	Phosphorus, pH, Nitrate, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	13	Medeteconk River Estuary	Medeteconk River Estuary-1: Upper Meteteconk R	Dissolved Oxygen, Fecal Coliform	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	13	Metedeconk River N Br at Aldrich Rd in Howell	MB-147	Aquatic Life	Monmouth Co HD
Atlantic Coast	13	Metedeconk River N Br at Jackson Mills Rd in Freehold	6	Nitrate	Monmouth Co HD

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Atlantic Coast	13	Metedeconk River N Br at Lakewood	01408100	Phosphorus, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	13	Metedeconk River N Br at Rt 88 in Brick Twp	AN0506	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Metedeconk River N Br at Rt 9 South in Howell	MB-135	Aquatic Life	Monmouth Co HD
Atlantic Coast	13	Metedeconk River S Br at Cedar Bridge Rd in Lakewood Twp	AN0511	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Metedeconk River S Br at Cooks Bridge Rd in Jackson Twp	AN0510A	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Metedeconk River S Br near Laurelton	01408152	Phosphorus, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	13	Mill Br of Tuckerton Creek at Nugentown Rd in Tuckerton	AN0559	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Muddy Ford Brook at Lakewood-Allenwood Rd in Howell	17	Phosphorus, Nitrate	Monmouth Co HD
Atlantic Coast	13	Shannoc Brook Trib at Colliers Mills	01408480	Phosphorus, Fecal Coliform, Temperature, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	13	Sunken Br at Mule Rd in Berkeley Twp	AN0538	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Titmouse Creek at Friendship Rd in Howell	19	Phosphorus, Nitrate	Monmouth Co HD
Atlantic Coast	13	Toms River at Oakridge Pkwy in Dover Twp	AN0535	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Toms River at Route 537 in Millstone	7	Nitrate	Monmouth Co HD
Atlantic Coast	13	Toms River at Rt 571 in Dover Twp	AN0524	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Toms River Estuary	Toms River Estuary-1: Toms R, Toms River Estuary-2: Toms R/Barneгат Bay	Dissolved Oxygen, Fecal Coliform	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	13	Toms River near Toms River	01408500, 13-TOM-1	Phosphorus, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Chromium, Copper, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Atlantic Coast	13	Turnmill Lake-13	Turnmill Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Atlantic Coast	13	Union Br at Beacon Ave in Manchester Twp	AN0534	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Westecunk Creek at RR Ave in Eagleswood Twp	AN0558	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Wrangel Brook at Congasia Rd in Manchester Twp	AN0536	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Wrangel Brook at S Hampton Rd in Berkeley Twp	AN0539	Aquatic Life	NJDEP AMNET

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Atlantic Coast	14	Absegami Lake-14	Bass River SF (Lake Absegami) Center, Left, Right	Fecal Coliform	Southern Region
Atlantic Coast	14	Albertson Br near Elm	0140940970	Phosphorus, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	USGS/Pinelands Data
Atlantic Coast	14	Atsion Lake-14	Atsion Lake, Atsion Rec. Area; Center, Left, and Right	Nutrients/Sedimentation (Eutrophic), Fecal Coliform	NJDEP Clean Lakes Program, Southern Region
Atlantic Coast	14	Bass River E Br near New Gretna	01410150	Phosphorus, Fecal Coliform, pH, Temperature, Dissolved Oxygen, Nitrate, TSS, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	14	Batsto River at Batsto	01409500, 14-BAT-1	Phosphorus, Fecal Coliform, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Chromium, Zinc	NJDEP/USGS Data, Metal Recon
Atlantic Coast	14	Batsto River at Hampton Furnace	01409432	Phosphorus, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	USGS/Pinelands Data
Atlantic Coast	14	Batsto River at Quaker Bridge	01409470	Phosphorus, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	14	Belhaven Lake-14	Belhaven Lake	Fecal Coliform	Burlington Co HD
Atlantic Coast	14	Blue Anchor Brook at Elm	0140940950	Phosphorus, Fecal Coliform, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	14	Camp Innwendiwine Lake-14	Boy Scouts	Fecal Coliform	Burlington Co HD
Atlantic Coast	14	Chips Folly-14	Chips Folly	Fecal Coliform	Burlington Co HD
Atlantic Coast	14	Clark Br near Atsion	0140940480	Phosphorus, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	USGS/Pinelands Data
Atlantic Coast	14	Egg Harbor City Lake-14	Egg Harbor City Lake (Eastside) and (Westside)	Fecal Coliform	Denville HD
Atlantic Coast	14	Great Bay	Great Bay-1 thru 6	Fecal Coliform	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	14	Great Bay	Great Bay-4: Great Bay, Great Bay-5: Broad Creek, Great Bay-6: Main Marsh Creek	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	14	Great Swamp Br Below Rt 206 near Hammonton	0140941070	Phosphorus, Fecal Coliform, Temperature, Dissolved Oxygen, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	14	Hammonton Creek at Westcoatville	01409416, 14-HAM-2	Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Chromium, Copper, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Atlantic Coast	14	Hays Mill Creek at Atco	01409401	Phosphorus, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	USGS/Pinelands Data

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Atlantic Coast	14	Hays Mill Creek near Chesilhurst	01409402	Phosphorus, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	USGS/Pinelands Data
Atlantic Coast	14	Hobb Lake-14	Great Times Camp	Fecal Coliform	Camden Co HD
Atlantic Coast	14	Indian Lake-14	Indian Branch	Fecal Coliform	Atlantic Co HD
Atlantic Coast	14	Indian Mills Brook at Indian Mills	01409449	Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	14	LandIng Creek near Egg Harbor	01409600	Phosphorus, pH, Temperature, Nitrate, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	14	Little Bay	Little Bay-1: Reeds Bay/Little Bay, Little Bay-2: Reeds Bay/Little Bay	Fecal Coliform	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	14	Little Bay	Little Bay-1: Reeds Bay/Little Bay	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	14	Mullica River Lower Estuary	2000, 2000A, 2000B, 2000C, 2001, 2001A, 2001B, 2001D, 2001E, 2002, 2002A, 2002B, 2003, 2003B, 2003C, 1900, 1900A, 1900B, 1900C, 1900D, 1903J	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	14	Mill Pond-14	Nacote Creek Beach	Fecal Coliform	Atlantic Co HD
Atlantic Coast	14	Morses Mill Stream at Riverside Dr in Port Republic	AN0614	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Moss Mill Lake-14	Evergreen Woods	Fecal Coliform	Atlantic Co HD
Atlantic Coast	14	Mullica River at Indian Mills	01409383	Phosphorus, pH, Temperature, Nitrate, Dissolved Solids, Unionized Ammonia	USGS/Pinelands Data
Atlantic Coast	14	Mullica River at Outlet Of Atsion Lake at Atsion	01409387	Phosphorus, Fecal Coliform, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	14	Mullica River Estuary	2011A, 2009A	Dissolved Oxygen, Fecal Coliform	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	14	Mullica River near Atco	01409375	Phosphorus, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	USGS/Pinelands Data
Atlantic Coast	14	Mullica River near Batsto	0140940050	Phosphorus, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	USGS/Pinelands Data
Atlantic Coast	14	Nescochague Creek at Pleasant Mills	01409411	Phosphorus, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	USGS/Pinelands Data
Atlantic Coast	14	Oswego River at Harrisville	01410000	Phosphorus, Fecal Coliform, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data, Metal Recon
Atlantic Coast	14	Papoose Br near Sim Place	01409960	Phosphorus, Fecal Coliform, pH, Temperature, Dissolved Oxygen, Nitrate, TSS, Unionized Ammonia	NJDEP/USGS Data

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Atlantic Coast	14	Paradise Lake-14	Paradise Lake	Fecal Coliform	Atlantic Co HD
Atlantic Coast	14	Pilgrim Lake-14	Pilgrim Lake Campground	Fecal Coliform	Burlington Co HD
Atlantic Coast	14	Pump Br near Waterford Works	01409408	Phosphorus, Fecal Coliform, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	14	Red Wing Lakes-14	Red Wing	Fecal Coliform	Atlantic Co HD
Atlantic Coast	14	Skit Br at Hampton Furnace	01409439	Phosphorus, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	USGS/Pinelands Data
Atlantic Coast	14	Sleeper Br near Atsion	0140940370	Phosphorus, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	USGS/Pinelands Data
Atlantic Coast	14	Springers Brook near Hampton Furnace	01409455	Phosphorus, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	USGS/Pinelands Data
Atlantic Coast	14	Timberline Lakes-14	Timberline Lake Campground	Fecal Coliform	Burlington Co HD
Atlantic Coast	14	Tulpehocken Creek near Jenkins	01409780	Phosphorus, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	USGS/Pinelands Data
Atlantic Coast	14	Wading River W Br at Chatsworth	01409690	Phosphorus, Temperature, Dissolved Oxygen, Nitrate, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	14	Wading River W Br at Maxwell	01409815	Phosphorus, Fecal Coliform, pH, Temperature, Dissolved Oxygen, Nitrate, TSS, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	14	Wading River W Br near Jenkins	01409750	Phosphorus, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	USGS/Pinelands Data
Atlantic Coast	15	Absecon Bay	Absecon Bay-1 thru 15	Fecal Coliform	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	15	Absecon Creek S Br near Pomona	01410455	Phosphorus, Fecal Coliform, pH, Temperature, Dissolved Oxygen, Nitrate, TSS, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	15	Babcock Creek near Mays Landing	01411196	Phosphorus, Fecal Coliform, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	15	Buena Vista CG-15	Buena Vista CG	Fecal Coliform	Atlantic Co HD
Atlantic Coast	15	Gibson Creek at Rt 50 near Corbin	01411241	Phosphorus, Fecal Coliform, pH, Temperature, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	15	Gravelly Run at Rt 559 in Hamilton Twp	AN0641	Aquatic Life	NJDEP AMNET

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Atlantic Coast	15	Great Egg Harbor	Great Egg Harbor-2: Steelman Bay, Great Egg Harbor-12: Ship Channel	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	15	Great Egg Harbor	Great Egg Harbor-1 thru 14	Dissolved Oxygen, Fecal Coliform	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	15	Great Egg Harbor River at Folsom	01411000	Phosphorus, Fecal Coliform, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	15	Great Egg Harbor River at Weymouth	01411110, 15-GEH-3	Phosphorus, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Chromium, Nickel, Selenium, Zinc	NJDEP/USGS Data
Atlantic Coast	15	Great Egg Harbor River Estuary	2822A, 2821B, 2814, 2812, 2804, 2801	Dissolved Oxygen	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	15	Great Egg Harbor River near Blue Anchor	01410820	Total Phosphorus, Fecal Coliform	NJDEP/USGS Data
Atlantic Coast	15	Great Egg Harbor River near Sicklerville	01410784, 15-GEH-1	Phosphorus, Fecal Coliform, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Chromium, Copper, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Atlantic Coast	15	Hospitality Br at Blue Bell Road near Cecil	01411035	Phosphorus, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	15	Hospitality Br near Cecil	01411050	Phosphorus, Fecal Coliform, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	15	Lakes Bay	Lakes Bay-1 thru 12	Fecal Coliform	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	15	Lakes Bay	Lakes Bay-11: Shelter Island	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	15	Lazy River Lake-15	Lazy River	Fecal Coliform	Atlantic Co HD
Atlantic Coast	15	Maple Lake-15	Maple Lake	Aquatic Life	NJDEP Freshwater Fisheries
Atlantic Coast	15	Reeds Bay	Reeds Bay-1 thru 8	Fecal Coliform	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	15	Reeds Bay	Reeds Bay-4: Reeds Bay, Reeds Bay-7: Sand Thorofare	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	15	Resort Campground Lake-15	Resort County Club	Fecal Coliform	Cape May Co HD
Atlantic Coast	15	Skulls Bay	Skulls Bay-1 thru 5	Fecal Coliform	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	15	Skulls Bay	Skulls Bay-1: Mulberry Thorofare, Skulls Bay-4: Ship Channel, Skulls Bay-5: Longport 2	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	15	Sleepy Hollow CG Lake-15	Sleepy Hollow	Fecal Coliform	Atlantic Co HD

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Atlantic Coast	15	South River near Belcoville	01411220	Phosphorus, Fecal Coliform, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	15	Tuckahoe Lake-15	Tuckahoe Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Atlantic Coast	15	Tuckahoe River Estuary	2902A, 2901A	Dissolved Oxygen	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	15	Tuckahoe River Estuary	2903	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	16	Bayberry Cove-16	Bayberry Cove (large) and (small)	Fecal Coliform	Cape May Co HD
Atlantic Coast	16	Beachcomer Lake-16	Beachcomer Campground	Fecal Coliform	Cape May Co HD
Atlantic Coast	16	Corson Sound	Corson Sound-1 thru 13	Dissolved Oxygen, Fecal Coliform	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	16	Corson Sound	Corson Sound-3: Crook Horn Creek, Corson Sound-4: Unnamed Creek, Corson Sound-8: Corsons Inlet, Corson Sound-12: Ludlam Bay,	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	16	Deep Creek Estuary	3300A, 3300B, 3300C	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	16	Dennis Creek Trib 2 at Dennisville	01411428	Phosphorus, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	16	Devauls Creek Estuary	3132	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	16	Driftwood Camping Resorts Lake-16	Driftwood Camping Resorts	Fecal Coliform	Rockaway Twp HD
Atlantic Coast	16	Edward Creek Estuary	3011c	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	16	Fishing Creek at Rio Grande	01411400	Phosphorus, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	16	Garden Park Lake-16	Garden Park Lake	Fecal Coliform	Cape May Co HD
Atlantic Coast	16	Great Sound	Great Sound-1 thru 6	Dissolved Oxygen, Fecal Coliform	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	16	Great Sound	Great Sound-2: Great Sound, Great Sound-3: Ingram Thorofare, Great Sound-4: Long Reach	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	16	Hands Millpond-16	Hands Mill Pond Bathing Area	Fecal Coliform	Cumberland Co HD
Atlantic Coast	16	Hidden Acres Lake-16	Hidden Acres	Fecal Coliform	Cape May Co HD
Atlantic Coast	16	James Sound	James Sound-1 thru 11	Dissolved Oxygen, Fecal Coliform	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	16	Jenkins Sound	Jenkins Sound-1 thru 10	Dissolved Oxygen, Fecal Coliform	Coastal Water Quality Monitoring-DEP-BMWM

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Atlantic Coast	16	Old Roblins Br near North Dennis	01411440	Nitrate, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	16	Outdoor World Lake-16	Outdoor World Lake and Shore	Fecal Coliform	Cape May Co HD
Atlantic Coast	16	Outdoor World Sea Pines Lake-16	Outdoor World Sea Pines	Fecal Coliform	Cape May Co HD
Atlantic Coast	16	Pine Haven Lake-16	Pine Haven Campground	Fecal Coliform	Cape May Co HD
Atlantic Coast	16	Richardson Sound	Richardson Sound-1 thru 16	Dissolved Oxygen, Fecal Coliform	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	16	Richardson Sound	Richardson Sound-5,9: Grassy Sound, Richardson Sound-10,11: Unnamed Creek	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	16	Savages Run in Belleplaln State Forest	01411441	Phosphorus, Temperature, Dissolved Oxygen, Unionized Ammonia	NJDEP/USGS Data
Atlantic Coast	16	Seashore Campsites Lake-16	Seashore Campsites	Fecal Coliform	Cape May Co HD
Atlantic Coast	16	Stiles Sound	Stiles Sound-2: Ingram Thorofare	Dissolved Oxygen, Fecal Coliform	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	16	Stiles Sound	Stiles Sound-1: Stites Sound	Dissolved Oxygen, Fecal Coliform, Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	16	Townsend Sound	Townsend Sound-1 thru 3	Dissolved Oxygen, Fecal Coliform	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	16	Townsend Sound	Townsend Sound-3: Stow Creek	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	16	View Lake-16	Oceanview Campground	Fecal Coliform	Cape May Co HD
Atlantic Coast	16	West Creek at Leesburg	01411444	Phosphorus, pH, Temperature, Dissolved Oxygen, Nitrate, TSS, Unionized Ammonia	NJDEP/USGS Data
Atlantic Ocean	16	Mill Creek Estuary	3207B	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Ocean	Atlantic Ocean	Atlantic Ocean	Atlantic Ocean-5,9,10,11,13,15,17,18,19,21,22,23,25,26,31,33,38,,39,40,42,43,44,45,47,48,49,51,67,68,69,70,71,72,74,78,79,80,81,82,86,87,88,89,90,91,92,94,103,105,106,107,108,112,114,115,117,118: Atlantic Ocean, Atlantic Ocean-25,32,34,35,37,52,56,58,61,63,65: Atlantic City Offshore, Atlantic Ocean-29: Outfall, Atlantic Ocean-46: Outfall Closure, Atlantic Ocean-85: Island Beach Offshore, Atlantic Ocean-99,100,101,111,113,119,120: Asbury Park Offshore, Atlantic Ocean-121: Mantoloking Offshore, Atlantic Ocean-122,123,124: Delaware Bay East	Pathogens	NJDEP Shellfish Monitoring Program

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Atlantic Ocean	Atlantic Ocean	Atlantic Ocean	Atlantic Ocean-9,10,18,19,31,33,68: Atlantic Ocean, Atlantic Ocean-95,97,98,102,104,122,123: Asbury Park Offshore, Atlantic Ocean-32,34,58: Atlantic City Offshore, Atlantic Ocean-29: Outfall	Dissolved Oxygen, Fecal Coliform	Bureau of Marine Water Monitoring, USEPA-Region II
Lower Delaware	17	Berryman Br at Rt 49 in Millville	AN0761	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Buckshutem Creek at Rt 555 in Millville	AN0756	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Buckshutem Creek near Laurel Lake	01411950	Phosphorus, pH, Temperature, Nitrate, TSS, Unionized Ammonia	NJDEP/USGS Data
Lower Delaware	17	Burnt Mill Br at Rt 55 in Vineland	AN0735	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Camp Merrywood-17	Camp Merrywood	Fecal Coliform	Salem Co HD
Lower Delaware	17	Camp Roosevelt Lake-17	Camp Roosevelt	Fecal Coliform	Salem Co HD
Lower Delaware	17	Canton Drain at Maskell Mill	01413065	Phosphorus, Fecal Coliform, Temperature, Nitrate, Dissolved Solids, Unionized Ammonia	NJDEP/USGS Data
Lower Delaware	17	Clarks Pond-17	Clarks Pond Capps Day Camp Beach	Fecal Coliform	Cumberland Co HD
Lower Delaware	17	Cohansey River at Seeley	01412800	Phosphorus, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Lower Delaware	17	Cool Run at Stockington - Pleasant Hill Rd in Alloway Twp	AN0700	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Davis Mill Pond-17	Davis Mill Pond	Aquatic Life	NJDEP Freshwater Fisheries
Lower Delaware	17	Delaware Bay	Delaware Bay-5: Delaware Bay East, Delaware Bay-13: Delaware Bay Offshore, Delaware Bay-16: Delaware Bay East	Pathogens	NJDEP Shellfish Monitoring Program
Lower Delaware	17	Elmer Lake-17	Elmer Lake	Aquatic Life	NJDEP Freshwater Fisheries
Lower Delaware	17	Gravelly Run at Laurel Lake	01411955	Phosphorus, Fecal Coliform, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Lower Delaware	17	Green Br at Crow Pond Rd in Pittsgrove Twp	AN0736	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Green Br at Jesse Bridge Rd in Pittsgrove Twp	AN0737	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Hudson Lake-17	Sportsman Club	Fecal Coliform	Salem Co HD
Lower Delaware	17	Indian Br near Malaga	01411466	Phosphorus, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Lower Delaware	17	Laurel Lake 2-17	Laurel Lake: Mist Road Bathing Area, Nymph Road Bathing Area, Olive Road Bathing Area, Narcissus Dock Bathing Area, Narcissus Rd Bathing Area	Fecal Coliform	Cumberland Co HD
Lower Delaware	17	Lebanon Br (Mill Creek) at Sherman Ave in Deerfield Twp	AN0752	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Little Ease Run at Porchtown	01411458	Phosphorus, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Lower Delaware	17	Manantico Creek at Rt 49 in Millville	AN0760	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Maskells Millpond-17	Maskells Millpond	Aquatic Life	NJDEP Freshwater Fisheries
Lower Delaware	17	Maurice River at Almond Ave in Vineland	AN0740	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Maurice River at Norma	01411500	Phosphorus, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Lower Delaware	17	Maurice River near Millville	01411800	Phosphorus, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Lower Delaware	17	Menantico Lake-17	Menantico Pond	Aquatic Life	NJDEP Freshwater Fisheries
Lower Delaware	17	Mill Creek at off Spur 552 (Union Lk WMA) in Millville	AN0753	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Muddy Run at Burlington Rd in Upper Pittsgrove Twp	AN0741	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Muddy Run at Lebanon Rd in Pittsgrove Twp	AN0749	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Muddy Run near Norma	01411780	Phosphorus, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Lower Delaware	17	Pages Run at Newport	01412200	Fecal Coliform, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	NJDEP/USGS Data
Lower Delaware	17	Panther Br (Manantico Creek) at Italia Ave in Vineland	AN0758	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Parvin Lake-17	Parvin Lake	Aquatic Life	NJDEP Freshwater Fisheries
Lower Delaware	17	Salem River at Woodstown	01482500	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Lower Delaware	17	Sarah Run at Telegraph Rd in Stow Creek Twp	AN0705	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Scotland Run at Clayton - Williamstown Rd (Rt 610) in Clayton	AN0722	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Scotland Run at Rt 538 in Franklin Twp	AN0723	Aquatic Life	NJDEP AMNET

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Lower Delaware	17	Sheppards Mill Pond-17	Sheppards Mill Pond	Fecal Coliform	Cumberland Co HD
Lower Delaware	17	Still Run at Aura Rd in Elk Twp	AN0729	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Still Run at Rt 40 in Franklin Twp	AN0732	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Still Run near Malaga	01411453	Phosphorus, Fecal Coliform, Temperature, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Lower Delaware	17	Sunset Lake-17	Sunset Lake	Aquatic Life	NJDEP Freshwater Fisheries
Lower Delaware	17	Sunset Lake-17	Sunset Lake Bathing Beach	Fecal Coliform	Cumberland Co HD
Lower Delaware	17	Two Penny Run near Danceys Corner	01482560	Dissolved Solids, Unionized Ammonia	NJDEP/USGS Data
Lower Delaware	17	Union Lake-17	Union Lake	Aquatic Life	NJDEP Freshwater Fisheries
Lower Delaware	17	Union Lake-17	Union Lake Bathing Area	Fecal Coliform	Cumberland Co HD
Lower Delaware	17	Wilson Lake-17	Wilson Lake	Aquatic Life	NJDEP Freshwater Fisheries
Lower Delaware	17		Camp Grice	Fecal Coliform	Salem Co HD
Lower Delaware	17		Double A Marina	Fecal Coliform	Cape May Co HD
Lower Delaware	17		Pickle Factory Dock	Fecal Coliform	Cumberland Co HD
Lower Delaware	17		Rabins Beach	Fecal Coliform	Cumberland Co HD
Lower Delaware	17		Southern NJ Council	Fecal Coliform	Salem Co HD
Lower Delaware	17		Vineland YMCA	Fecal Coliform	Salem Co HD
Lower Delaware	18	Bellmawr Lake-18	Bellmawr Lake	Fecal Coliform	Camden Co HD
Lower Delaware	18	Big Timber Creek N Br at Glendora	01467359	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Lower Delaware	18	Big Timber Creek S Br at Blackwood Terrace	01467329, 18-BIG-1	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Chromium, Copper, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Lower Delaware	18	Big Timber Creek S Br at Glenloch	01467327	Phosphorus, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Lower Delaware	18	Big Timber Creek S Br at Turnersville	01467325	Phosphorus, Fecal Coliform, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS	NJDEP/USGS Data

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Lower Delaware	18	Cooper River at Haddonfield	01467150, 18-CO-4	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Chromium, Copper, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Lower Delaware	18	Cooper River at Rt 130 at Camden	18-CO-1	Chromium, Copper, Nickel, Selenium, Zinc	NJDEP Metal Recon
Lower Delaware	18	Cooper River N Br at Kresson	01467155, 18-CO-2	Temperature, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data, Metal Recon
Lower Delaware	18	Delaware River Zone 2/3, 02040202-043		Copper, Lead	DRBC
Lower Delaware	18	Delaware River Zone 3 at Ben Franklin Bridge		pH, Fecal Coliform	DRBC
Lower Delaware	18	Delaware River Zone 3, 02040202-030		Copper, Lead, Zinc	DRBC
Lower Delaware	18	Delaware River Zone 4 at Eddystone, Pa		DO, pH, Fecal Coliform	DRBC
Lower Delaware	18	Delaware River Zone 4 at Paulsboro		DO, pH, Fecal Coliform	DRBC
Lower Delaware	18	Delaware River Zone 4 at Phil. Navy Yard		DO, pH, Fecal Coliform	DRBC
Lower Delaware	18	Gilman Lake-18	Lake Gilman	Fecal Coliform	Gloucester Co HD
Lower Delaware	18	Kandle Lake-18	Lake Kandle	Fecal Coliform	Gloucester Co HD
Lower Delaware	18	Mantua Creek at Greentree Rd in Glassboro	AN0668	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Oldmans Creek at Jessups Mill	01477440	Phosphorus, Temperature, Dissolved Oxygen, Nitrate, Unionized Ammonia	NJDEP/USGS Data
Lower Delaware	18	Oldmans Creek at Porches Mill	01477510	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Lower Delaware	18	Oldmans Creek Lake-18	Oldmans Creek Lake	Fecal Coliform	Gloucester Co HD
Lower Delaware	18	Pennsauken Creek N Br near Morrestown	01467069, 18-PE-1, 18-PE-2	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Chromium, Copper, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Lower Delaware	18	Pennsauken Creek S Br at Cherry Hill	01467081	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	NJDEP/USGS Data
Lower Delaware	18	Pine Hill Scout Camp Lake-18	Camp Pine Hill	Fecal Coliform	Camden Co HD
Lower Delaware	18	Raccoon Creek near Swedesboro	01477120, 18-RAC-1	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Chromium, Copper, Lead, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Lower Delaware	18	Still Run near Mickelton	01476600	Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Lower Delaware	18	Washington Lake-18	Washington Township Lake	Fecal Coliform	Gloucester Co HD
Lower Delaware	18	Wenonah Lake-18	Wenonah Lake Playground	Fecal Coliform	Gloucester Co HD
Lower Delaware	18		Hurff Lake	Fecal Coliform	Gloucester Co HD
Lower Delaware	19	Birchwood Lake-19	Birchwood Lakes Beach	Fecal Coliform	Burlington Co HD
Lower Delaware	19	Blue Lake-19	Blue Lake Beach	Fecal Coliform	Burlington Co HD
Lower Delaware	19	Braddocks Millpond-19	Braddocks Mill Lake	Fecal Coliform	Burlington Co HD
Lower Delaware	19	Cardinal Ridge-19	Cardinal Ridge Condos	Fecal Coliform	Burlington Co HD
Lower Delaware	19	Centennial Lake-19	Centennial Lake	Fecal Coliform	Burlington Co HD
Lower Delaware	19	Country Lake-19	Country Lakes	Fecal Coliform	Burlington Co HD
Lower Delaware	19	Delanco Camp Lake-19	Delanco Camp Meeting	Fecal Coliform	Cumberland Co HD
Lower Delaware	19	Flamingo Lake-19	Clubhouse Marlton Lake Civic Assn., East Lake Marlton Lake Civic Assn.	Fecal Coliform	Sussex Co HD
Lower Delaware	19	Harmony Lake-19	Harmony Lake	Fecal Coliform	Burlington Co HD
Lower Delaware	19	Holly Lake-19	Holly Lake Association	Fecal Coliform	Burlington Co HD
Lower Delaware	19	JCC Camp Lake-19	JCC Camps at Medford	Fecal Coliform	Burlington Co HD
Lower Delaware	19	Kettle Run-19	Girl Scouts Kettle Run	Fecal Coliform	Burlington Co HD
Lower Delaware	19	Lake Inawendiwin-19	Camp Inawendiwin	Fecal Coliform	Burlington Co HD
Lower Delaware	19	Lake Mishe-Mokwa-19	Medford Lakes Colony Club Beach 3 and Beach 4	Fecal Coliform	Burlington Co HD
Lower Delaware	19	Lake Stockwell-19	Camp Ockanickon Boys, Family, and Pomona	Fecal Coliform	Burlington Co HD
Lower Delaware	19	Little Creek at Chairville	01465893	Phosphorus, Fecal Coliform, Temperature, Dissolved Oxygen, Nitrate, TSS, Unionized Ammonia	NJDEP/USGS Data
Lower Delaware	19	Lower Aetna Lake-19	Medford Lakes Colony Club Beach 1 and Beach 2	Fecal Coliform	Burlington Co HD
Lower Delaware	19	McDonalds Br in Lebanon State Forest	01466500	Phosphorus, Fecal Coliform, pH, Temperature, Dissolved Oxygen, Nitrate, TSS, Unionized Ammonia	NJDEP/USGS Data
Lower Delaware	19	Mimosa Lakes-19	Mimosa Lake Beach	Fecal Coliform	Burlington Co HD

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Lower Delaware	19	Mohegan Lake-19	Mohegan Lake YMCA Camp Moore, YMCA Camp Moore Family Lake	Fecal Coliform	Burlington Co HD
Lower Delaware	19	Mt. Misery Lake-19	Methodist Camps	Fecal Coliform	Burlington Co HD
Lower Delaware	19	Oakwood Lake-19	Oakwood Lakes	Fecal Coliform	Burlington Co HD
Lower Delaware	19	Pemberton Lake-19	Pemberton Lake	Aquatic Life	NJDEP Freshwater Fisheries
Lower Delaware	19	Pine Lake-19	East Lake Pine Colony Club, South Lake Pine Colony Club	Fecal Coliform	Burlington Co HD
Lower Delaware	19	Pole Bridge Br near Browns Mills	01466200	pH, Temperature, Dissolved Oxygen, Nitrate, Unionized Ammonia	NJDEP/USGS Data
Lower Delaware	19	Rancocas Creek N Br at Hanover Furnace	01465950	Phosphorus, pH, Temperature, Dissolved Oxygen, Nitrate, Unionized Ammonia	NJDEP/USGS Data
Lower Delaware	19	Rancocas Creek N Br at Iron Works Park at Mt Holly	01467005	Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Lower Delaware	19	Rancocas Creek N Br at Pemberton	01467000, 19-RA-3N	Phosphorus, Fecal Coliform, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Chromium, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Lower Delaware	19	Rancocas Creek N Br at Pine St at Mt Holly	01467006, 19-RA-4N	Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia, Chromium, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Lower Delaware	19	Rancocas Creek S Br at Vincentown	01465850, 19-RA-3S	Fecal Coliform, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Chromium, Copper, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Lower Delaware	19	Saipe Lake-19	Medford Pines	Fecal Coliform	Burlington Co HD
Lower Delaware	19	Sharps Run at Rt 541 at Medford	01465884	pH, Temperature, Nitrate, TSS, Unionized Ammonia	NJDEP/USGS Data
Lower Delaware	19	Shawnee Country Lake-19	Shawnee Country OSA	Fecal Coliform	Burlington Co HD
Lower Delaware	19	Sherwood Forest Pond-19	Sherwood Forest	Fecal Coliform	Burlington Co HD
Lower Delaware	19	Squaw Lake-19	Camp Ockanickon Girls	Fecal Coliform	Burlington Co HD
Lower Delaware	19	Tamarack Lake-19	Tamarac Lake	Fecal Coliform	Burlington Co HD
Lower Delaware	19	Taunton Lake-19	Taunton Lake	Fecal Coliform	Burlington Co HD
Lower Delaware	19	Union Mill Lake-19	Union Mill Lake Colony Club	Fecal Coliform	Burlington Co HD
Lower Delaware	19	Upper Aetna Lake-19	Medford Lakes Colony Club Beach 5	Fecal Coliform	Burlington Co HD
Lower Delaware	19		Lion Tamers Club	Fecal Coliform	Burlington Co HD

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Lower Delaware	20	Annaricken Brook near Jobstown	01464578	Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	NJDEP/USGS Data
Lower Delaware	20	Bacons Creek near Mansfield Square	01464529	Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	NJDEP/USGS Data
Lower Delaware	20	Barkers Brook N Br near Jobstown	01464583	Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	NJDEP/USGS Data
Lower Delaware	20	Crafts Creek at Old York Rd in Mansfield Twp	AN0137	Aquatic Life	NJDEP AMNET
Lower Delaware	20	Crosswicks Creek at Extonville	01464500, 20-CRO-1	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Chromium, Copper, Lead, Nickel, Selenium, Zinc	NJDEP/USGS Data
Lower Delaware	20	Crosswicks Creek at Extonville Rd in Hamilton Twp	AN0125	Aquatic Life	NJDEP AMNET
Lower Delaware	20	Crosswicks Creek at Groveville Rd. at Groveville	01464504	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	NJDEP/USGS Data
Lower Delaware	20	Crosswicks Creek at Walnford Rd in Upper Freehold	2	Nitrate	Monmouth Co HD
Lower Delaware	20	Crosswicks Creek near New Egypt	01464420	Fecal Coliform, pH, Temperature, Nitrate, Dissolved Solids, Unionized Ammonia	NJDEP/USGS Data
Lower Delaware	20	Delaware River/Estuary (Trenton to head of Delaware Bay)		PAH	DRBC
Lower Delaware	20	Delaware River Zone 2, 02040201-004		Arsenic, Beryllium, Copper, Chromium, Lead, Silver, Zinc	DRBC
Lower Delaware	20	Delaware River Zone 2, 02040202-053		Lead	DRBC
Lower Delaware	20	Delaware River Zone 3, 02040402-035		Lead, Zinc	DRBC
Lower Delaware	20	Doctors Creek At Allentown	01464515	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Lower Delaware	20	Lahaway Creek At Rt 537 At Mercerville	01464440	Fecal Coliform, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS	NJDEP/USGS Data
Lower Delaware	20	Liberty Lake-20	Liberty Lake	Fecal Coliform	Burlington Co HD
Lower Delaware	20	Prosperstown Lake-20	Prosperstown Lake	Aquatic Life	NJDEP Freshwater Fisheries
Lower Delaware	20	Shabakunk Creek near Lawrenceville	01463810	Temperature, Nitrate	NJDEP/USGS Data
Northeast	03	Bear Swamp Lake 2-03	Simplicity Inn at Blueberry Point Lake Beach Area and Area B	Fecal Coliform	Passaic Co HD
Northeast	03	Camp Gial Pond-03	Solid Rock Day Camp, Camp Gial	Fecal Coliform	Passaic Co HD
Northeast	03	Canistear Reservoir-03	Canistear Reservoir	Aquatic Life	NJDEP Freshwater Fisheries
Northeast	03	Cliffwood Lake-03	Cliffwood Lake	Fecal Coliform	Sussex Co HD
Northeast	03	Clinton Brook at LaRue Rd in West Milford Twp	AN0261	Aquatic Life	NJDEP AMNET
Northeast	03	Clinton Reservoir-03	Clinton Reservoir	Aquatic Life	NJDEP Freshwater Fisheries
Northeast	03	Cold Spring Lake-03	Cold Spring Lake Conference Center	Fecal Coliform	Passaic Co HD
Northeast	03	Crystal Lake-03	Crystal Lake (Ramapo Mountain Lakes, Inc.)	Fecal Coliform	Sparta Twp HD

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Northeast	03	Cupsaw Lake-03	Cupsaw	Fecal Coliform	Ocean Co HD
Northeast	03	Echo Lake-03	Echo Lake	Aquatic Life	NJDEP Freshwater Fisheries
Northeast	03	Echo Lake-03	Echo Lake	Fecal Coliform	Atlantic Co HD
Northeast	03	Farm Crest Acres-03	Farm Crest Acres Assoc.	Fecal Coliform	Sparta Twp HD
Northeast	03	Franklin Lake-03	Indian Trail Club Lakes 1 through 12	Fecal Coliform	Bergen Co HD
Northeast	03	Glen Wild Lake-03	Glen Wild Lake, Glenwild Lake	Fecal Coliform	Passaic Co HD
Northeast	03	Green Brook at Union Valley Rd in West Milford Twp	AN0255D	Aquatic Life	NJDEP AMNET
Northeast	03	Greenwood Lake-03	Greenwood Lake Beach Assoc, Lakeside Community Club	Fecal Coliform	Passaic Co HD
Northeast	03	Harrison Mountain Lake-03	Harrison Mountain Lake	Fecal Coliform	Passaic Co HD
Northeast	03	Henion Pond-03	Camp Vacamus Lily Pad, Camp Vacamus Sun Fish	Fecal Coliform	Passaic Co HD
Northeast	03	Hidden Valley Lake-03	Hidden Valley Lake	Fecal Coliform	Sussex Co HD
Northeast	03	High Crest Lake-03	High Crest Lake	Fecal Coliform	Passaic Co HD
Northeast	03	Kampfe Lake-03	Kampfe Lake Assoc., Kampfe Lake	Fecal Coliform	Twp of Pequannock
Northeast	03	Kanouse Brook at Rt 23 in West Milford Twp	AN0262	Aquatic Life	NJDEP AMNET
Northeast	03	Lake Edenwold-03	Lake Edenwold	Fecal Coliform	Butler HD
Northeast	03	Lake Stockholm-03	Lake Stockholm North and South	Fecal Coliform	Sparta Twp HD
Northeast	03	Macopin River at Echo Lake	01382410	Phosphorus, Fecal Coliform, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northeast	03	Macopin River at Macopin Reservoir	01382450	Phosphorus, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northeast	03	Macopin River blw Echo Lk in West Milford Twp	AN0263	Aquatic Life	NJDEP AMNET
Northeast	03	McDonalds Ponds-03	P.V. Park: Diving Boards, Left Beach, Left Guard Stand, North Shore, Right Beach, Right Guard Stand, South Shore	Fecal Coliform	Twp of Pequannock
Northeast	03	Monksville Reservoir-03	Monksville Reservoir	Aquatic Life	NJDEP Freshwater Fisheries
Northeast	03	Mossmans Brook at Clinton Rd (abv res) in West Milford Twp	AN0260	Aquatic Life	NJDEP AMNET
Northeast	03	Mountain Springs Lake-03	Mountain Springs Lake	Fecal Coliform	Passaic Co HD
Northeast	03	Mt. Glen Lakes-03	Mt. Glen Lakes	Fecal Coliform	Passaic Co HD
Northeast	03	Pacock River	PQ02	Temperature	Pequannock River Coalition
Northeast	03	Pequannock River at Macopin Intake Dam	01382500, 3-SITE-8, 3-PEQ-1	Phosphorus, Fecal Coliform, pH, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Chromium, Copper, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Northeast	03	Pequannock River at Rt 23 (Macopin Intake) in West Milford Twp	AN0264	Aquatic Life	NJDEP AMNET
Northeast	03	Pequannock River at Rt 511 in Butler	AN0265	Aquatic Life	NJDEP AMNET
Northeast	03	Pia Costa Lake-03	Lincoln Park Community Lake Beginning, Diving Area, and Swim Lanes	Fecal Coliform	Lincoln Park HD
Northeast	03	Pinecliff Lake-03	Pinecliff Lake	Fecal Coliform	Passaic Co HD
Northeast	03	Pompton River at Newark Pompton Tnpk in Pequannock Twp	AN0268	Aquatic Life	NJDEP AMNET

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Northeast	03	Pompton River at Pompton Plains	01388500, 3-SITE-7	Phosphorus, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Copper	NJDEP/USGS Data, Metal Recon
Northeast	03	Post Brook Farms Lake-03	Post Brook Farms CC	Fecal Coliform	Passaic Co HD
Northeast	03	Ramapo Lake-03	Ramapo Lake	Aquatic Life	NJDEP Freshwater Fisheries
Northeast	03	Ramapo River at Lenape Ln in Oakland	AN0267	Aquatic Life	NJDEP AMNET
Northeast	03	Ramapo River at Pompton Lakes	01388000	Phosphorus, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	NJDEP/USGS Data
Northeast	03	Ramapo River at W Ramapo Ave in Mahwah Twp	AN0266	Aquatic Life	NJDEP AMNET
Northeast	03	Ramapo River near Mahwah	01387500, 3-SITE-9, 3-RAM-1	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Sodium, Chromium, Copper, Lead, Nickel, Selenium, Zinc	NJDEP/USGS Data
Northeast	03	Rickonda Lake-03	Lake Riconda Beach	Fecal Coliform	Passaic Co HD
Northeast	03	Rock Lodge Pond-03	Rock Lodge Club (Rocky) and (Sandy)	Fecal Coliform	Sparta Twp HD
Northeast	03	Scarlet Oak Pond-03	Scarlet Oak Pond	Aquatic Life	NJDEP Freshwater Fisheries
Northeast	03	Sheppard Pond-03	Shepherd Lake	Aquatic Life	NJDEP Freshwater Fisheries
Northeast	03	Sheppard Pond-03	Ringwood SP, Shepherd Lake	Fecal Coliform	Northern Region
Northeast	03	Smoke Rise UNK Trib	PQ9	temperature	Pequannock River Coalition
Northeast	03	Star Lake-03	Star Lake Belmont and Hilltop	Fecal Coliform	Passaic Co HD
Northeast	03	Stonehouse Brook	PQ12	Temperature	Pequannock River Coalition
Northeast	03	Stoneybrook Swim Club Lake-03	Stoneybrook Swim Club	Fecal Coliform	Butler HD
Northeast	03	Wanaque River at E Shore Dr in West Milford Twp	AN0255	Aquatic Life	NJDEP AMNET
Northeast	03	Wanaque River at Highland Avenue at Wanaque	01387010	Total Phosphorus, Fecal Coliform, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northeast	03	Wanaque River at Wanaque Ave in Pompton Lakes	AN0257	Aquatic Life	NJDEP AMNET
Northeast	03	Wanaque River near Awosting	01383505	Phosphorus, Fecal Coliform, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northeast	03		Awosting Association	Fecal Coliform	Passaic Co HD
Northeast	03		Highlands/Weis	Fecal Coliform	Passaic Co HD
Northeast	03		Middle Lake Village	Fecal Coliform	Passaic Co HD
Northeast	04	Diamond Brook at Fair Lawn	01389860	Temperature, Dissolved Oxygen, Nitrate, Unionized Ammonia	NJDEP/USGS Data
Northeast	04	Hohokus Brook at Old Mill Rd in Franklin Lakes	AN0283	Aquatic Life	NJDEP AMNET
Northeast	04	Kilroy Park Lake-04	Kilroy Park (Tom's Lake)	Fecal Coliform	Passaic Co HD
Northeast	04	Oldham Pond-04	North Haledon Beach (left) and (right)	Fecal Coliform	Passaic Co HD
Northeast	04	Passaic Estuary		Copper, Lead, Nickel	HEP (GLEC, 1996)
Northeast	04	Passaic River at Elmwood Pk	01389880	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northeast	04	Passaic River at Little Falls	01389500	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Northeast	04	Passaic River at Riverview Rd in Totowa	AN0274	Aquatic Life	NJDEP AMNET
Northeast	04	Passaic River below Pompton River at Two Bridges	01389005	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	NJDEP/USGS Data
Northeast	04	Preakness Brook at Paterson - Hamburg Tnpk in Wayne Twp	AN0272	Aquatic Life	NJDEP AMNET
Northeast	04	Ramsey Brook at Allendale	01390900	pH, Temperature, Dissolved Oxygen, Nitrate, TSS, Unionized Ammonia	NJDEP/USGS Data
Northeast	04	Saddle River at E Ridgewood Ave in Paramus	AN0282	Aquatic Life	NJDEP AMNET
Northeast	04	Saddle River at Fair Lawn	4-SITE-13; 4-SAD-1	Cadmium, Chromium, Copper, Lead, Nickel, Selenium, Zinc	NJDEP/USGS Metal Recon.
Northeast	04	Saddle River at Lodi	01391500, 4-SITE-12	Dissolved Solids, TSS, Unionized Ammonia, Cadmium, Chromium, Copper, Lead, Zinc	NJDEP/USGS Data, Metal Recon
Northeast	04	Saddle River at Old Stone Church Rd in Upper Saddle River	AN0279	Aquatic Life	NJDEP AMNET
Northeast	04	Saddle River at Ridgewood	01390500	Phosphorus, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northeast	04	Saddle River at Ridgewood Avenue at Ridgewood	01390510	Phosphorus, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northeast	04	Saddle River at Rochelle Park	01391490	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northeast	04	Saddle River at Saddle River	01390470	Phosphorus, pH, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northeast	04	Saddle River W Br at Upper Saddle River	01390445	Nitrate, Unionized Ammonia	NJDEP/USGS Data
Northeast	04	Toms Lake-04	North Cove Beach and Swim Lanes	Fecal Coliform	Passaic Co HD
Northeast	05	Coles Brook at Hackensack	01378560	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northeast	05	Dwars Kill at End of Anderson Ave in Alpine	AN0208	Aquatic Life	NJDEP AMNET
Northeast	05	Hackensack River - Tidal		Copper, Lead	HEP (GLEC, 1996), EPA, 1999
Northeast	05	Hackensack River at Old Tappan	01376970	Phosphorus, pH, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northeast	05	Hackensack River at Rivervale	01377000	Phosphorus, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northeast	05	Hudson River	N1, N2, N3, N3A, N3B, N4, N5, N6	Fecal Coliform, Dissolved Oxygen	IEC
Northeast	05	Hudson River - NYC & Battery	HR1, HR2	Copper, Lead, Nickel	HEP (GLEC, 1996)
Northeast	05	Hudson River at G.W. Bridge	HR4	Copper, Lead, Nickel	HEP (GLEC, 1996)
Northeast	05	Hudson River near Yonkers	HR7	Copper, Lead, Nickel	HEP (GLEC, 1996)
Northeast	05	Hudson River- NYC Area		Copper, Lead, Nickel	HEP (GLEC, 1996)

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Northeast	05	Musquapsink Brook at River Vale	01377499	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northeast	05	Pascack Brook at Westwood	01377500	pH, Temperature, Dissolved Oxygen, Nitrate, TSS, Unionized Ammonia	NJDEP/USGS Data
Northeast	05	Pascack Brook at Westwood Ave & Harrington Ave in Westwood	AN0207	Aquatic Life	NJDEP AMNET
Northeast	05	Tenakill Brook at Cedar Lane at Closter	01378387	pH, Temperature, Dissolved Oxygen, Nitrate, TSS, Unionized Ammonia	NJDEP/USGS Data
Northeast	06	Arrowhead Lake-06	Lake Arrowhead	Fecal Coliform	Deer Lake Club
Northeast	06	Beaver Brook at Lyonville Rd in Rockaway Twp	AN0245	Aquatic Life	NJDEP AMNET
Northeast	06	Beaver Brook at Rockaway	01380100	Phosphorus, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northeast	06	Belmont Left and Right	Belmont Left and Right	Fecal Coliform	Twp 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Northeast	06	Passaic River at Tempewick Rd in Mendham Twp	AN0213	Aquatic Life	NJDEP AMNET
Northeast	06	Passaic River at Two Bridges	01382000	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northeast	06	Passaic River at Valley Rd in Long Hill Twp	AN0224	Aquatic Life	NJDEP AMNET
Northeast	06	Passaic River near Chatham	01379500	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	NJDEP/USGS Data
Northeast	06	Passaic River near Millington	01379000	pH, Temperature, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northeast	06	Primrose Brook at Jockey Hollow Nat'l Pk in Harding Twp	AN0215	Aquatic Life	NJDEP AMNET
Northeast	06	Primrose Brook at Lees Mill Rd in Harding Twp	AN0216	Aquatic Life	NJDEP AMNET
Northeast	06	Primrose Brook at Morristown National Park	01378780	Phosphorus, Fecal Coliform, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northeast	06	Rock Ridge Lake-06	Rock Ridge	Fecal Coliform	Denville HD
Northeast	06	Rockaway River blw Longwood Lk in Jefferson Twp	AN0240	Aquatic Life	NJDEP AMNET
Northeast	06	Rockaway River at Blackwell St (Rt 513) in Rockaway Twp	AN0243	Aquatic Life	NJDEP AMNET
Northeast	06	Rockaway River at Boonton	01380500	Phosphorus, Fecal Coliform, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northeast	06	Rockaway River at Longwood Valley	01379680	Phosphorus, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northeast	06	Rockaway River at Pine Brook	01381200, 6-SITE-10, 6-ROC-1	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Chromium, Copper, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Northeast	06	Rockaway River at Pocono Rd in Denville Twp	AN0248	Aquatic Life	NJDEP AMNET
Northeast	06	Russia Brook at Milton - Dover Rd in Jefferson Twp	AN0239	Aquatic Life	NJDEP AMNET
Northeast	06	Ryker Lake-06	Ryker Lake	Aquatic Life	NJDEP Freshwater Fisheries
Northeast	06	Sparta Lake-06	Sparta Lake	Fecal Coliform	Sparta Twp HD
Northeast	06	Stony Brook at Boonton	01380320	Phosphorus, pH, Temperature, Dissolved Oxygen, Nitrate, Unionized Ammonia	NJDEP/USGS Data
Northeast	06	Sun Air Campground-06	Sun Air Campground	Fecal Coliform	Jefferson Twp HD
Northeast	06	Troy Brook at Beaverwyck Rd in Parsippany-Troy Hills Twp	AN0237	Aquatic Life	NJDEP AMNET
Northeast	06	Valhalla Lake-06	Lake Valhalla Beach and Dock	Fecal Coliform	Montville Twp HD

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Northeast	06	Watnong Brook at Lake Rd in Morris Twp	AN0234A	Aquatic Life	NJDEP AMNET
Northeast	06	Whippany River at Morristown	01381500, 6-WHI-1	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Chromium, Copper, Lead, Nickel, Selenium	NJDEP/USGS Data, Metal Recon
Northeast	06	Whippany River at Mt Pleasant Rd in Mendham Twp	AN0232	Aquatic Life	NJDEP AMNET
Northeast	06	Whippany River at Ridgedale Ave in Morristown	AN0234	Aquatic Life	NJDEP AMNET
Northeast	06	Whippany River near Pine Brook	01381800, 6-WHI-2	pH, Temperature, Nitrate, Dissolved Solids, Unionized Ammonia, Chromium, Copper, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Northeast	06	White Rock Lake-06	White Rock Lake Assoc.	Fecal Coliform	Jefferson Twp HD
Northeast	06		Hilltop Left and Right	Fecal Coliform	Twp of Pequannock
Northeast	06		Inlet Left and Right	Fecal Coliform	Twp of Pequannock
Northeast	06		Lafayette Municipal Beach	Fecal Coliform	Sussex Co HD
Northeast	06		Smoke Rise Beach	Fecal Coliform	Borough of Kinnelon
Northeast	06		Village Left and Right	Fecal Coliform	Twp of Pequannock
Northwest	01	Bass Lake-01	Princeton-Blairstown Lake	Fecal Coliform	Warren Co HD
Northwest	01	Beaver Brook above Silver Lk in Hope Twp	AN0045	Aquatic Life	NJDEP AMNET
Northwest	01	Beaver Brook at Sarepta Rd in White Twp	AN0047	Aquatic Life	NJDEP AMNET
Northwest	01	Big Flat Brook at Rt 521 in Sandyston Twp	AN0006	Aquatic Life	NJDEP AMNET
Northwest	01	Big Flat Brook at Tuttle's Corner	01439830	Phosphorus, Fecal Coliform, pH, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northwest	01	Blair Creek at Rt 94 in Blairstown Twp	AN0027	Aquatic Life	NJDEP AMNET
Northwest	01	Blair Creek at Shannon Rd in Hardwick Twp	AN0026	Aquatic Life	NJDEP AMNET
Northwest	01	Brass Castle Creek at Brass Castle Rd in Washington Twp	AN0056	Aquatic Life	NJDEP AMNET
Northwest	01	Buck Horn Creek at Hutchinson Sta Rd in Harmony Twp	AN0050	Aquatic Life	NJDEP AMNET
Northwest	01	Camp Taylor Lake-01	Camp Taylor Lake	Fecal Coliform	Warren Co HD
Northwest	01	Cranberry Lake-01	Cranberry Lake Club House and Rose Beach	Fecal Coliform	Sussex Co HD
Northwest	01	Crandon Lakes-01	Crandon Lakes East and West	Fecal Coliform	Hunterdon Co HD
Northwest	01	Culvers Creek at Rt 206 in Frankford Twp	AN0017	Aquatic Life	NJDEP AMNET
Northwest	01	Culvers Lake-01	Culvers Lake	Fecal Coliform	Passaic Co HD
Northwest	01	Deer Lake-01	Deer Lake	Fecal Coliform	Lincoln Park HD
Northwest	01	Delawanna Creek at Rt 46 in Knowlton Twp	AN0033	Aquatic Life	NJDEP AMNET
Northwest	01	Dry Brook at Mill Rd in Brville	AN0020	Aquatic Life	NJDEP AMNET
Northwest	01	Dry Brook at Rt 519 near Brville	01443370	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	NJDEP/USGS Data
Northwest	01	Dunnfield Creek at Dunnfield	01442760	Phosphorus, Fecal Coliform, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northwest	01	Dunnfield Creek at River Rd (off Rt 80) in Hardwick Twp	AN0012	Aquatic Life	NJDEP AMNET

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Northwest	01	Fairview Lake-01	Fairview Lake YMCA, Fairview Lake: Blue Mt. Day Camp	Fecal Coliform	Passaic Co HD
Northwest	01	Flat Brook at Rt 615 in Walpack Twp	AN0007, AN0008	Aquatic Life	NJDEP AMNET
Northwest	01	Flat Brook near Flatbrookville	01440000	Phosphorus, Fecal Coliform, Nitrate, pH, Temperature, Dissolved Oxygen, TSS, Unionized Ammonia	NJDEP/USGS Data
Northwest	01	Forest Lake-01	Forest Lake: Boardwalk Beach, Cove Beach, Harbor View Beach, Main Beach	Fecal Coliform	Sussex Co HD
Northwest	01	Frenches Pond-01	Mt Allamuchy Scout Reservation	Fecal Coliform	Sussex Co HD
Northwest	01	Holiday Lake-01	Holiday Lakes	Fecal Coliform	Sussex Co HD
Northwest	01	Honey Run at Rt 519 in Hope Twp	AN0046	Aquatic Life	NJDEP AMNET
Northwest	01	Iliff Lake-01	Lake Iliff	Fecal Coliform	Sussex Co HD
Northwest	01	Jacksonburg Creek at Rt 602 in Hardwick Twp	AN0028	Aquatic Life	NJDEP AMNET
Northwest	01	Jacksonburg Creek at Rt 94 in Blairstown Twp	AN0029	Aquatic Life	NJDEP AMNET
Northwest	01	Jacksonburg Creek near Blairstown	01443600	Phosphorus, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northwest	01	Jacksonburg Creek near Millbrook	01443550	Phosphorus, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northwest	01	Jefferson Lake-01	Jefferson Lake	Aquatic Life	NJDEP Freshwater Fisheries
Northwest	01	Jefferson Lake-01	Jefferson Lakes	Fecal Coliform	Sussex Co HD
Northwest	01	Kittatinny Lake-01	Kittatinny Lake East Shore and West Shore	Fecal Coliform	Sussex Co HD
Northwest	01	Lake Aeroflex-01	Lake Aeroflex	Aquatic Life	NJDEP Freshwater Fisheries
Northwest	01	Lake Ashroe-01	Lake Ashroe: Kittatinny Mt. BSA Res.	Fecal Coliform	Sussex Co HD
Northwest	01	Lake Kemah-01	Kemah Lake Big Beach and Little Beach	Fecal Coliform	Sussex Co HD
Northwest	01	Lake Lenape-01	Lake Lenape	Fecal Coliform	Sussex Co HD
Northwest	01	Lake Robert Rooke-01	Rooke Lake (Camp Linwood MacDonald)	Fecal Coliform	Sussex Co HD
Northwest	01	Lake Shawanni-01	Lake Shawanni; Lindley Cook 4H	Fecal Coliform	Sussex Co HD
Northwest	01	Lake Tranquility-01	Lake Tranquility Beach A and Beach B	Fecal Coliform	Sussex Co HD
Northwest	01	Lake Winona-01	Lake Winona Civic Association	Fecal Coliform	Jefferson Twp HD
Northwest	01	Lawrenceville School Camp Pond-01	Lawrenceville School Camp Pond	Fecal Coliform	Warren Co HD
Northwest	01	Little Flat Brook at Deckertown Tnpk (Rt 650) in Montague Twp	AN0004	Aquatic Life	NJDEP AMNET
Northwest	01	Little Flat Brook at Degroat Rd in Sandyston Twp	AN0005, AN0005A	Aquatic Life	NJDEP AMNET
Northwest	01	Long Pine Pond-01	YMCA Long Pine Pond	Fecal Coliform	Sussex Co HD
Northwest	01	Lopatcong Creek at Montana Mt Rd in Harmony Twp	AN0051	Aquatic Life	NJDEP AMNET
Northwest	01	Lopatcong Creek at Old Rt 22 in Phillipsburg	AN0053	Aquatic Life	NJDEP AMNET
Northwest	01	Lopatcong Creek at Rt 57 in Lopatcong Twp	AN0052	Aquatic Life	NJDEP AMNET
Northwest	01	Lubbers Run at Rt 206 in Byram Twp	AN0066	Aquatic Life	NJDEP AMNET
Northwest	01	Lubbers Run at Rt 607 in Byram Twp	AN0065	Aquatic Life	NJDEP AMNET
Northwest	01	Marcia Lake-01	High Point SP, Lake Marcia	Fecal Coliform	Northern Region
Northwest	01	Mashipacong Pond-01	Lake Masipacong: Trail Blazers Boys and Trail Blazers Girls	Fecal Coliform	Sussex Co HD
Northwest	01	Merrill Creek at Farm Rd in Greenwich Twp	AN0060	Aquatic Life	NJDEP AMNET
Northwest	01	Merrill Creek at Merrill Creek Rd (abv res) in Harmony Twp	AN0059	Aquatic Life	NJDEP AMNET

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Northwest	01	Merrill Creek Reservoir-01	Merrill Creek Reservoir	Aquatic Life	NJDEP Freshwater Fisheries
Northwest	01	Mine Brook at Rt 517 in Washington Twp	AN0067	Aquatic Life	NJDEP AMNET
Northwest	01	Mountain Lake-01	Mountain Lake	Fecal Coliform	Warren Co HD
Northwest	01	Musconetcong River at Beattystown	01456200, 1-MUS-3	Phosphorus, pH, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Cadmium, Chromium, Copper, Lead, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Northwest	01	Musconetcong River at Kings Hwy in Washington Twp	AN0069	Aquatic Life	NJDEP AMNET
Northwest	01	Musconetcong River at Riegelsville	01457400, 1-MUS-5	pH, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Cadmium, Chromium, Copper, Lead, Nickel, Selenium, Zinc	NJDEP/USGS Data
Northwest	01	Musconetcong River at River Rd in Pohatcong Twp	AN0074	Aquatic Life	NJDEP AMNET
Northwest	01	Musconetcong River at Rt 579 in Greenwich Twp	AN0073	Aquatic Life	NJDEP AMNET
Northwest	01	Musconetcong River blw Lk Musconetcong in Mount Olive Twp	AN0063	Aquatic Life	NJDEP AMNET
Northwest	01	Musconetcong River near Bloomsbury	01457000, 1-MUS-4	Phosphorus, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Cadmium, Chromium, Copper, Lead, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Northwest	01	Musconetcong River off Rt 604 (abv Lubbers Run) in Byram Twp	AN0064	Aquatic Life	NJDEP AMNET
Northwest	01	Musconetcong River UNK Trib at Rt 57 in Mansfield Twp	AN0071	Aquatic Life	NJDEP AMNET
Northwest	01	Panther Lake-01	Panther Lake Beach 1 and Beach 2	Fecal Coliform	Sussex Co HD
Northwest	01	Paulins Kill at Balesville	01443440, 1-PAU-1	Phosphorus, pH, Dissolved Oxygen, Nitrate, Dissolved Solids, Temperature, TSS, Unionized Ammonia, Cadmium, Chromium, Copper, Lead, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Northwest	01	Paulins Kill at Blairstown	01443500	Phosphorus, Nitrate, pH, Dissolved Oxygen, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northwest	01	Paulins Kill at Rt 626 in Hampton Twp	AN0021	Aquatic Life	NJDEP AMNET
Northwest	01	Paulins Kill at USGS gage in Blairstown Twp	AN0025	Aquatic Life	NJDEP AMNET
Northwest	01	Paulins Kill at Vail Rd in Blairstown Twp	AN0032A	Aquatic Life	NJDEP AMNET
Northwest	01	Paulins Kill UNK Trib at Rt 623 in Lafayette Twp	AN0014	Aquatic Life	NJDEP AMNET
Northwest	01	Pequest River at Belvidere	01446400	Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia,	NJDEP/USGS Data

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Northwest	01	Pequest River at Cemetery Rd in Independence Twp	AN0041	Aquatic Life	NJDEP AMNET
Northwest	01	Pequest River at Huntsville	01445000	Phosphorus, Fecal Coliform, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	NJDEP/USGS Data
Northwest	01	Pequest River at Pequest	01445500, 1-PEQ-2	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia, Cadmium, Chromium, Copper, Lead, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Northwest	01	Pequest River at Pequest Rd in Green Twp	AN0037	Aquatic Life	NJDEP AMNET
Northwest	01	Pequest River at Pequest Rd in White Twp	AN0043	Aquatic Life	NJDEP AMNET
Northwest	01	Pequest River at Rt 615 in Allamuchy Twp	AN0039	Aquatic Life	NJDEP AMNET
Northwest	01	Pequest River at Rt206 Below Springdale	01444970	Phosphorus, pH, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northwest	01	Pequest River at Water St in Belvidere	AN0048	Aquatic Life	NJDEP AMNET
Northwest	01	Plymouth Lake-01	Plymouth Lake	Fecal Coliform	Sussex Co HD
Northwest	01	Pohatcong Creek at Carpentersville Rd in Pohatcong Twp	AN0061	Aquatic Life	NJDEP AMNET
Northwest	01	Pohatcong Creek at Edison Rd in Franklin Twp	AN0058	Aquatic Life	NJDEP AMNET
Northwest	01	Pohatcong Creek at Janes Chapel Rd in Mansfield Twp	AN0054	Aquatic Life	NJDEP AMNET
Northwest	01	Pohatcong Creek at New Village	01455200	Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northwest	01	Pophandusling Brook at off Rt 519 in White Twp	AN0049	Aquatic Life	NJDEP AMNET
Northwest	01	Ramseysburg Creek at Rt 46 in Knowlton Twp	AN0034	Aquatic Life	NJDEP AMNET
Northwest	01	Sand Pond-01	Camp No-Be-Bo-Sco	Fecal Coliform	Warren Co HD
Northwest	01	Shawnee Lake-01	Lake Shawnee Club Beach 1 and Beach 3	Fecal Coliform	Jefferson Twp HD
Northwest	01	Shimers Brook at Rt 521 in Montague Twp	AN0003	Aquatic Life	NJDEP AMNET
Northwest	01	Silver Lake-01	Silver Lake	Fecal Coliform	Warren Co HD
Northwest	01	Stony Lake-01	Stokes SF, Stoney Lake	Fecal Coliform	Northern Region
Northwest	01	Swartwood Lake-01	Swartwood SP Beach	Fecal Coliform	Northern Region
Northwest	01	Trout Brook at Pond Brook Rd (Rt 612) in Stillwater Twp	AN0024	Aquatic Life	NJDEP AMNET
Northwest	01	Troy Brook at Swartwood Rd in Stillwater Twp	AN0023A	Aquatic Life	NJDEP AMNET
Northwest	01	Van Campens Brook at Flatbrookville - Middleville Rd in Walpack Twp	AN0009	Aquatic Life	NJDEP AMNET
Northwest	01	Van Campens Brook at Mill Rd in Hardwick Twp	AN0010	Aquatic Life	NJDEP AMNET
Northwest	01	Van Campens Brook at Old Mine Rd in Hardwick Twp	AN0011	Aquatic Life	NJDEP AMNET
Northwest	01	Wapalanne Lake-01	Lake Wapalanne: NJ School of Cons.	Fecal Coliform	Sussex Co HD
Northwest	01	White Lake-01	White Lake	Aquatic Life	NJDEP Freshwater Fisheries
Northwest	01	Yards Creek at Rt 94 in Knowlton Twp	AN0031	Aquatic Life	NJDEP AMNET
Northwest	01		Bell Lake	Fecal Coliform	Sussex Co HD
Northwest	01		Camp Lou Henry Hoover	Fecal Coliform	Sussex Co HD
Northwest	01		Crystal Springs: The Quarry	Fecal Coliform	Sussex Co HD

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Northwest	01		Garden State Academy Pond	Fecal Coliform	Sussex Co HD
Northwest	02	Arapaho Lake-02	Arapaho Lake	Fecal Coliform	Sparta Twp HD
Northwest	02	Barry Lakes-02	Barry Lakes	Fecal Coliform	Sussex Co HD
Northwest	02	Beaver Lake-02	Beaver Lake	Fecal Coliform	Sparta Twp HD
Northwest	02	Black Creek near Vernon	01368950	Phosphorus, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northwest	02	Clove Brook at Unionville Rd in Wantage Twp	AN0309A	Aquatic Life	NJDEP AMNET
Northwest	02	Double Kill at Waywayanda	01368820	Phosphorus, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northwest	02	East Highland Lake-02	Highland Lake, Lake 3 Beach 6	Fecal Coliform	Passaic Co HD
Northwest	02	Fawn Lake-02	Fawn Lake	Fecal Coliform	Burlington Co HD
Northwest	02	Gerard Lake-02	Lake Gerard	Fecal Coliform	Sparta Twp HD
Northwest	02	Glenwood Lake-02	Lake Glenwood	Fecal Coliform	Sussex Co HD
Northwest	02	Great Gorge-02	The Resorts Club Lake (Spa at Great Gorge Lake)	Fecal Coliform	Sussex Co HD
Northwest	02	Heritage Lakes-02	Heritage Lakes: The Quarry	Fecal Coliform	Sussex Co HD
Northwest	02	Highland Lake 1-02	Highland Lake, Lake 4 Beach5	Fecal Coliform	Sussex Co HD
Northwest	02	Highland Lake-02	Highland Lake, Lake 1 Beach1, Lake 2 Beach 4, Lake 2 Beach2, Lake 2 Beach3, Highland Lakes Raceway	Fecal Coliform	Sussex Co HD
Northwest	02	Lake Conway-02	Lake Conway	Fecal Coliform	Sussex Co HD
Northwest	02	Lookover Lake-02	Lake Lookover	Fecal Coliform	Passaic Co HD
Northwest	02	Mount Laurel Lake-02	Mt. Laurel Beach Club	Fecal Coliform	Passaic Co HD
Northwest	02	Neepaulin Lake-02	Lake Neepaulin	Fecal Coliform	Sussex Co HD
Northwest	02	Panorama Lake-02	Lake Panorama	Fecal Coliform	Sussex Co HD
Northwest	02	Papakating Creek W Br at Rt 519 in Wantage Twp	AN0305	Aquatic Life	NJDEP AMNET
Northwest	02	Papakating Creek at Pelletown	01367800	Phosphorus, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northwest	02	Papakating Creek at Rt 619 & Gunn Rd in Frankford Twp	AN0303	Aquatic Life	NJDEP AMNET
Northwest	02	Papakating Creek near Sussex	01367860, 2-PAP-1	Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Chromium, Cooper, Lead, Nickel, Selenium	NJDEP/USGS Data, Metal Recon
Northwest	02	Papakating Creek near Wykertown	01367780	Phosphorus, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northwest	02	Papakating Creek W Br at McCoys Corner	01367850	Phosphorus, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	NJDEP/USGS Data
Northwest	02	Pleasant Valley Lake-02	Pleasant Valley Lake	Fecal Coliform	Sussex Co HD
Northwest	02	Saginaw Lake-02	Saginaw Lake	Fecal Coliform	Sparta Twp HD
Northwest	02	Scenic Lake-02	Scenic Lakes	Fecal Coliform	Sussex Co HD
Northwest	02	Silver Lake-02	Silver Lake	Aquatic Life	NJDEP Freshwater Fisheries

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Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Northwest	02	Tamaracks Lake-02	Tamarack Lake North, Remote, South, and Stockholm	Fecal Coliform	Sparta Twp HD
Northwest	02	Upper East Highland Lake-02	Highland Lake, Lake 5 Beach7	Fecal Coliform	Sussex Co HD
Northwest	02	Upper Greenwood Lake-02	Upper Greenwood Lake POA	Fecal Coliform	Passaic Co HD
Northwest	02	Vernon Valley Lake-02	Vernon Valley Lake	Fecal Coliform	Sussex Co HD
Northwest	02	Walkill Lake-02	Lake Walkill	Fecal Coliform	Sussex Co HD
Northwest	02	Walkill River at Rt 94 in Hamburg	2-WAL-3	Chromium, Copper, Lead, Nickel, Selenium, Zinc	NJDEP Metal Recon
Northwest	02	Walkill River at Scott Road at Franklin	01367715, 2-WAL-2	Phosphorus, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Chromium, Copper, Lead, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Northwest	02	Walkill River at Sparta	01367625	pH, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northwest	02	Walkill River near Franklin	01367700, 2-WAL-1	Temperature, Chromium, Copper, Lead, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Northwest	02	Walkill River near Sussex	01367770, 2-WAL-4	Phosphorus, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Chromium, Copper, Lead, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Northwest	02	Walkill River near Unionville	01368000, 2-WAL-5	Phosphorus, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Chromium, Copper, Lead, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Northwest	02	Wawayanda Lake-02	Wawayanda SP East Beach and West Beach	Fecal Coliform	Northern Region
Northwest	02	White Lake-02	White Lake Camp Sacajawea, Swim Club Bathing Area 1, and Swim Club Bathing Area 2	Fecal Coliform	Sparta Twp HD
Northwest	02		Glen Harbor HOA	Fecal Coliform	Sussex Co HD
Northwest	02		Harmony Ridge Beach at Small Lake	Fecal Coliform	Sussex Co HD
Northwest	02		Toyes Recreation	Fecal Coliform	Sussex Co HD
Northwest	11	Airport Br of Jacobs Creek at Rt 579 in Ewing Twp	AN0103	Aquatic Life	NJDEP AMNET
Northwest	11	Alexauken Creek at Lambertville Rd in Lambertville	AN0096	Aquatic Life	NJDEP AMNET
Northwest	11	Alexauken Creek at Rt 29 in Lambertville	AN0098	Aquatic Life	NJDEP AMNET
Northwest	11	Alexauken Creek UNK Trib at Queen Rd & Alexauken Creek Rd in West Amwell Twp	AN0097	Aquatic Life	NJDEP AMNET
Lower Delaware	11	Assunpink Creek at Route 539 in Upper Freehold	4	Fecal Coliform, Nitrate	Monmouth Co HD
Northwest	11	Assunpink Creek at Peace Street at Trenton	01464020, 11-AS-3	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Chromium, Nickel, Selenium	NJDEP/USGS Data, Metal Recon
Northwest	11	Assunpink Creek at Trenton	01464000	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Northwest	11	Assunpink Creek near Clarksville	01463620, 11-AS-2	Phosphorus, Fecal Coliform, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data, Metal Recon
Northwest	11	Copper Creek near Frenchtown	01458710	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	NJDEP/USGS Data
Northwest	11	Gold Run at Rt 29 & L Ferry Rd in Ewing Twp	AN0107	Aquatic Life	NJDEP AMNET
Northwest	11	Hakihokake Creek at Bridge St in Milford	AN0077	Aquatic Life	NJDEP AMNET
Northwest	11	Hakihokake Creek at Miller Park Rd in Holland Twp	AN0076	Aquatic Life	NJDEP AMNET
Northwest	11	Hakihokake Creek at Myler Rd in Holland Twp	AN0075	Aquatic Life	NJDEP AMNET
Northwest	11	Harihokake Creek at Hartpence Rd in Alexandria Twp	AN0078	Aquatic Life	NJDEP AMNET
Northwest	11	Harihokake Creek at River Rd in Alexandria Twp	AN0079	Aquatic Life	NJDEP AMNET
Northwest	11	Jacobs Creek at Bear Tavern	01462739	Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northwest	11	Jacobs Creek at Rt 29 in Ewing Twp	AN0106	Aquatic Life	NJDEP AMNET
Northwest	11	Jacobs Creek at Rt 546 in Hopewell Twp	AN0105	Aquatic Life	NJDEP AMNET
Northwest	11	Jacobs Creek at Woosamonsa Rd in Hopewell Twp	AN0102	Aquatic Life	NJDEP AMNET
Northwest	11	Little Nishisakawick at Rt 29 in Frenchtown	AN0083	Aquatic Life	NJDEP AMNET
Northwest	11	Lockatong Creek at Oak Grove Rd in Franklin Twp	AN0086	Aquatic Life	NJDEP AMNET
Northwest	11	Lockatong Creek at Rt 12 in Kingwood Twp	AN0087	Aquatic Life	NJDEP AMNET
Northwest	11	Lockatong Creek at Rt 29 in Delaware Twp	AN0089	Aquatic Life	NJDEP AMNET
Northwest	11	Lockatong Creek at Rt 519 in Kingwood Twp	AN0088	Aquatic Life	NJDEP AMNET
Northwest	11	Miry Run at Route 533 at Mercerville	01463850	Phosphorus, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northwest	11	Moore's Creek at Barry Rd in West Amwell Twp	AN0100	Aquatic Life	NJDEP AMNET
Northwest	11	Moore's Creek at Rt 29 in Hopewell Twp	AN0101	Aquatic Life	NJDEP AMNET
Northwest	11	Nishisakawick Creek at Airport Rd in Alexandria Twp	AN0080	Aquatic Life	NJDEP AMNET
Northwest	11	Nishisakawick Creek at Creek Rd (Frenchtown Pk) in Frenchtown	AN0082	Aquatic Life	NJDEP AMNET
Northwest	11	Nishisakawick Creek at off Creek Rd in Alexandria Twp	AN0081	Aquatic Life	NJDEP AMNET
Northwest	11	Nishisakawick Creek near Frenchtown	01458570	Phosphorus, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northwest	11	Plum Brook near Locktown	01461262	Nitrate	NJDEP/USGS Data
Northwest	11	Shabakunk Creek near Lawrenceville	01463810	Temperature, Nitrate	NJDEP/USGS Data
Northwest	11	Wickecheoke Creek at Croton	01461220	Nitrate	NJDEP/USGS Data
Northwest	11	Wickecheoke Creek at Rt 29 in Stockton	AN0095	Aquatic Life	NJDEP AMNET
Northwest	11	Wickecheoke Creek at Sergeantsville Rd in Delaware Twp	AN0094	Aquatic Life	NJDEP AMNET

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Raritan	07	Arthur Kill	K3, K4, K5	Fecal Coliform, Dissolved Oxygen, Copper, Lead, Nickel	IEC
Raritan	07	Elizabeth River at North Ave in Hillside Twp	AN0204	Aquatic Life	NJDEP AMNET
Raritan	07	Elizabeth River at Ursino Lk at Elizabeth	01393450	pH, Temperature, Dissolved Oxygen, Nitrate, TSS, Unionized Ammonia	NJDEP/USGS Data
Raritan	07	Elizabeth River W Br near Union	01393350	Temperature, Nitrate, TSS, Unionized Ammonia	NJDEP/USGS Data
Raritan	07	Hackensack River, Secaucus	Location A	Fecal Coliform	Hudson Co HD
Raritan	07	Hudson River, Weehawken	Location B	Fecal Coliform	Hudson Co HD
Raritan	07	Kill Van Kull	K2, K1, UH-11	Fecal Coliform, Dissolved Oxygen, Copper, Lead, Nickel	IEC
Raritan	07	Newark Bay		Copper, Lead, Nickel	HEP (GLEC, 1996)
Raritan	07	Newark Bay Hudson County Park;	Location D	Fecal Coliform	Hudson Co HD
Raritan	07	NYC and Battery	HR1, HR2	Copper, Lead, Nickel	HEP (GLEC, 1996)
Raritan	07	Rahway River at Rahway	01395000, 7-RAH-1	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Cadmium, Chromium, Copper, Lead, Selenium, Zinc	NJDEP/USGS Data
Raritan	07	Rahway River near Springfield	01394500	Phosphorus, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Raritan	07	Rahway River W Br at Northfield Ave. at West Orange	01393960	pH, Temperature, Nitrate, Unionized Ammonia	NJDEP/USGS Data
Raritan	07	Robinson Br at Scotch Plains	01395200	Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	NJDEP/USGS Data
Raritan	07	Robinson Br at St Georges Av at Rahway	01396003	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	NJDEP/USGS Data
Raritan	07	Upper New York Harbor	Upper New York Harbor-1, Upper New York Harbor-2	Dissolved Oxygen	IEC
Raritan	07	Upper NY Harbor Jersey City	Location E, Location C	Fecal Coliform	Hudson Co HD
Raritan	08	Assiscong Creek at River Rd in Raritan Twp	AN0328	Aquatic Life	NJDEP AMNET
Raritan	08	Beaver Brook at Herman Thau Rd in Clinton Twp	AN0323	Aquatic Life	NJDEP AMNET
Raritan	08	Budd Lake-08	Budd Lake	Aquatic Life	NJDEP Freshwater Fisheries
Raritan	08	Burnett Brook at Old Mill Rd in Mendham Twp	AN0348	Aquatic Life	NJDEP AMNET
Raritan	08	Capepoulin Creek at L Lansdown Rd in Franklin Twp	AN0325	Aquatic Life	NJDEP AMNET
Raritan	08	Capepoulin Creek at Rt 513 in Franklin Twp	AN0325B	Aquatic Life	NJDEP AMNET
Raritan	08	Chambers Brook A at Coddington Rd in Readington Twp	AN0372	Aquatic Life	NJDEP AMNET
Raritan	08	Chambers Brook A at Station Rd in Brburg Twp	AN0373	Aquatic Life	NJDEP AMNET
Raritan	08	Chambers Brook at North Br Depot	01399900	Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	NJDEP/USGS Data
Raritan	08	Cold Brook at Vlietown Rd in Tewksbury Twp	AN0362	Aquatic Life	NJDEP AMNET
Raritan	08	Dawsons Brook at S Rd & Ironia Rd in Mendham Twp	AN0347	Aquatic Life	NJDEP AMNET

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Raritan	08	Dawsons Brook near Ironia	01398300	Phosphorus, pH, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Raritan	08	Drakes Brook at Bartley Long Valley Rd in Washington Twp	AN0312	Aquatic Life	NJDEP AMNET
Raritan	08	Electric Brook at Fairview Ave in Washington Twp	AN0314	Aquatic Life	NJDEP AMNET
Raritan	08	Furmans Brook at Welisewitz Rd in East Amwell Twp	AN0336	Aquatic Life	NJDEP AMNET
Raritan	08	Holland Brook at Holland Brook Rd in Readington Twp	AN0342	Aquatic Life	NJDEP AMNET
Raritan	08	Horseshoe Lake-08	Horseshoe Lake 1 and Lake 2	Fecal Coliform	Health
Raritan	08	India Brook at Calais Rd BR#733 in Randolph Twp	AN0344A	Aquatic Life	NJDEP AMNET
Raritan	08	India Brook at MountainSide Rd in Mendham	AN0345	Aquatic Life	NJDEP AMNET
Raritan	08	India Brook UNK Trib at Calais Rd in Randolph Twp	AN0344	Aquatic Life	NJDEP AMNET
Raritan	08	Lamington River at Burnt Mills	01399780	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Raritan	08	Lamington River at Rt 24 in Chester Twp	AN0358	Aquatic Life	NJDEP AMNET
Raritan	08	Lamington River at Rt 512 in Tewksbury Twp	AN0360	Aquatic Life	NJDEP AMNET
Raritan	08	Lamington River at Rt 523 in Tewksbury Twp	AN0363	Aquatic Life	NJDEP AMNET
Raritan	08	Lamington River at Walsh Rd in Bedminster Twp	AN0370	Aquatic Life	NJDEP AMNET
Raritan	08	Lamington River near Pottersville	01399500	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Raritan	08	Lamington River UNK Trib at Black River Rd in Bedminster Twp	AN0361	Aquatic Life	NJDEP AMNET
Raritan	08	Lingerts Pond-08	Demott Pond	Aquatic Life	NJDEP Freshwater Fisheries
Raritan	08	Marine Lake-08	Lake Silver Springs	Fecal Coliform	Health
Raritan	08	Middle Brook at Burnt Mills	01399100	Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	NJDEP/USGS Data
Raritan	08	Middle Brook at River Rd in Bedminster Twp	AN0355	Aquatic Life	NJDEP AMNET
Raritan	08	Middle Brook at Spook Hollow Rd in Bedminster Twp	AN0354	Aquatic Life	NJDEP AMNET
Raritan	08	Mine Hill Lake-08	Mine Hill Beach	Fecal Coliform	Madison Boro Board of Health
Raritan	08	Mulhockaway Creek at Rt 635 in Union Twp	AN0321	Aquatic Life	NJDEP AMNET
Raritan	08	Mulhockaway Creek at Van Syckel	01396660, 8-MU-1	Phosphorus, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Chromium, Copper, Lead, Nickel, Selenium, Zinc	NJDEP/USGS Data
Raritan	08	Neshanic River at Reaville	01398000	Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	NJDEP/USGS Data
Raritan	08	Peapack Brook at Fox Chase Rd in Chester Twp	AN0349	Aquatic Life	NJDEP AMNET
Raritan	08	Peapack Brook at Old Dutch Rd in Bedminster Twp	AN0350	Aquatic Life	NJDEP AMNET

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Raritan	08	Pleasant Run at Pleasant Run Rd in Readlington Twp	AN0339	Aquatic Life	NJDEP AMNET
Raritan	08	Prescott Brook at Station Rd in Readlington Twp	AN0327	Aquatic Life	NJDEP AMNET
Raritan	08	Raritan River N Br at Burnt Mills	01399120	Phosphorus, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Raritan	08	Raritan River N Br at Rt 202 in Bedminster Twp	AN0351	Aquatic Life	NJDEP AMNET
Raritan	08	Raritan River N Br at Rt 202 in Brburg Twp	AN0374	Aquatic Life	NJDEP AMNET
Raritan	08	Raritan River N Br at Rt 24 in Mendham Twp	AN0346	Aquatic Life	NJDEP AMNET
Raritan	08	Raritan River N Br near Chester	01398260	Phosphorus, pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Raritan	08	Raritan River N Br near Raritan	01400000	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Raritan	08	Raritan River S Br Arch St at High Bridge	01396535, 8-SB-2	Phosphorus, pH, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Chromium, Copper, Lead, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Raritan	08	Raritan River S Br at Elm St in Brburg Twp	AN0338	Aquatic Life	NJDEP AMNET
Raritan	08	Raritan River S Br at Middle Valley	01396280, 8-SB-1	pH, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Chromium, Copper, Lead, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Raritan	08	Raritan River S Br at Neshanic Station	01398070	Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Raritan	08	Raritan River S Br at River Rd (dwnstr of Rt 512) in Califon	AN0316	Aquatic Life	NJDEP AMNET
Raritan	08	Raritan River S Br at River Rd (Ken Lockwood Gorge) in Lebanon Twp	AN0317	Aquatic Life	NJDEP AMNET
Raritan	08	Raritan River S Br at Rt 173 & Rt 513 in Clinton	AN0322	Aquatic Life	NJDEP AMNET
Raritan	08	Raritan River S Br at Rt 517 in Washington Twp	AN0315	Aquatic Life	NJDEP AMNET
Raritan	08	Raritan River S Br at Rt 613 in Raritan Twp	AN0329	Aquatic Life	NJDEP AMNET
Raritan	08	Raritan River S Br at South Br	01398102	Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Raritan	08	Raritan River S Br at Stanton Station	8-SB-3	Chromium, Copper, Lead, Nickel, Selenium, Zinc	NJDEP Metal Recon
Raritan	08	Raritan River S Br at Studdiford Dr in Brburg Twp	AN0341	Aquatic Life	NJDEP AMNET
Raritan	08	Raritan River S Br at Three Bridges	01397400, 8-SB-4	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Chromium, Copper, Lead, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Raritan	08	Rockaway Creek at Island Rd in Readlington Twp	AN0369	Aquatic Life	NJDEP AMNET
Raritan	08	Rockaway Creek at Whitehouse	01399700	Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Raritan	08	Rockaway Creek N Br at Rockaway Rd in Tewksbury Twp	AN0365	Aquatic Life	NJDEP AMNET

Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Nitrate	Monmouth Co HD
Raritan	08	Rockaway Creek N Br at Rockaway Rd in Tewksbury Twp	AN0366	Aquatic Life	NJDEP AMNET
Raritan	08	Rockaway Creek N Br at Rt 512 in Tewksbury Twp	AN0364	Aquatic Life	NJDEP AMNET
Raritan	08	Rockaway Creek S Br at Windy Acres Farm in Clinton Twp	AN0367	Aquatic Life	NJDEP AMNET
Raritan	08	Rogerene Lake-08	Lake Rogerene Civic Assoc.	Fecal Coliform	Madison Boro Board of Health
Raritan	08	Round Valley Reservoir-08	Round Valley Reservoir	Aquatic Life	NJDEP Freshwater Fisheries
Raritan	08	Shongum Lake-08	Shongum Lake	Fecal Coliform	Health
Raritan	08	Spruce Run at Newport	01396550	Phosphorus, pH, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Raritan	08	Spruce Run at Newport Rd in Lebanon Twp	AN0318	Aquatic Life	NJDEP AMNET
Raritan	08	Spruce Run at Rt 31 in Glen Gardner	AN0319	Aquatic Life	NJDEP AMNET
Raritan	08	Spruce Run near Glen Gardner	01396588, 8-SP-2	Phosphorus, pH, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia, Chromium, Copper, Lead, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Raritan	08	Spruce Run Reservoir-08	Spruce Run SP (East Beach) and (West Beach)	Fecal Coliform	Central Region
Raritan	08	Stony Brook at Fairview Ave in Washington Twp	AN0313	Aquatic Life	NJDEP AMNET
Raritan	08	Stony Brook at Fairview Avenue at Naughtright	01396219	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Raritan	08	Tanners Brook at Tanners Brook Rd in Chester Twp	AN0357	Aquatic Life	NJDEP AMNET
Raritan	08	Trout Brook at Hacklebarney Rd in Washington Twp	AN0359	Aquatic Life	NJDEP AMNET
Raritan	08	Willoughby Brook at Rt 31 in Lebanon Twp	AN0320	Aquatic Life	NJDEP AMNET
Raritan	08		Baptist Camp and Conf. Ctr.	Fecal Coliform	Hunterdon Co HD
Raritan	08		Cross Roads Outdoor Ministries (Camp Beisler)	Fecal Coliform	Bergen Co HD
Raritan	08		Manor House Outlet	Fecal Coliform	Mount Olive HD
Raritan	08		Pax Amicus Beach	Fecal Coliform	Mount Olive HD
Raritan	09	Barclay Brook near Englishtown	01405285	Phosphorus, Temperature, Nitrate, Unionized Ammonia	NJDEP/USGS Data
Raritan	09	Bound Brook at Middlesex	01403900	pH, Temperature, Dissolved Oxygen, Nitrate, Dissolved Solids, Unionized Ammonia	NJDEP/USGS Data

Wtrshd Region	WMA	Station Name/Waterbody	Site ID	Parameters (Insufficient Data)	Data Source
Atlantic Coast	12	Big Brook at Laurelwood Dr In Colts Neck	57	pH, TSS	Monmouth Co HD
Atlantic Coast	12	Big Brook at Maywood Drive In Marlboro	21	pH, TSS	Monmouth Co HD
Atlantic Coast	12	Big Brook at Rt 79 in Marlboro Twp	AN0469	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Bordons Brook at Route 520 In Holmdel	54	pH, TSS	Monmouth Co HD
Atlantic Coast	12	Debois Creek at Rt 33 in Freehold Twp	AN0486	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Hannabrand Brook at Old Mill Rd in Wall Twp	AN0484	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Haystack Brook at Maxim-Southard Rd In Howell	18	pH, TSS	Monmouth Co HD
Atlantic Coast	12	Hollow Brook at Route 35 In Neptune Twnshp	10	pH, TSS	Monmouth Co HD
Atlantic Coast	12	Husky Brook at South St in Eatontown	MB-33	Aquatic Life	Monmouth Co HD
Atlantic Coast	12	Husky Brook at South St In Eatontown	33	pH, TSS	Monmouth Co HD
Atlantic Coast	12	Jumping Brook at Essex Rd in Tinton Falls	AN0479	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Jumping Brook at Green Grove	01407720	Dissolved Oxygen, Dissolved Solids, TSS	NJDEP/USGS Data
Atlantic Coast	12	Lafetras Brook at Hope Rd In Tinton Falls	32	pH, TSS	Monmouth Co HD
Atlantic Coast	12	Lake Lefferts at Rt 34 - Buttonwood Manor In Matawan	66	pH, TSS	Monmouth Co HD
Atlantic Coast	12	Long Brook at Howell Rd In Howell	25	pH, TSS	Monmouth Co HD
Atlantic Coast	12	Mahoras Brook at Holland Rd in Middletown	MB-PARK3	Aquatic Life	Monmouth Co HD
Atlantic Coast	12	Mahoras Brook at Rt 35 in Holmdel Twp	AN0460	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Manasquan River at off Turkey Swamp Rd in Freehold Twp	AN0485	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Manasquan River at Squankum	01408000, 12-MA-1, 12-MA-2, 12-MA-3	Arsenic, Cadmium, Mercury, Silver	NJDEP/USGS Data, Metal Recon
Atlantic Coast	12	Manasquan River UNK Trib at Strickland Rd in Howell Twp	AN0488	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Marsh Bog Brook at Cranberry Bog Rd in Howell Twp	AN0491	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Marsh Bog Brook at Preventorium Rd In Howell	24	pH, TSS	Monmouth Co HD
Atlantic Coast	12	Marsh Bog Brook at Yellow Brook Rd in Howell Twp	AN0492	Aquatic Life	NJDEP AMNET

Wtrshd Region	WMA	Station Name/Waterbody	Site ID	Parameters (Insufficient Data)	Data Source
Atlantic Coast	12	Matawan Creek UNK Trib at Morganville Rd in Old Bridge Twp	AN0456	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	McClees Creek at Whipporwill Rd in Middletown Twp	AN0462	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Mine Brook at Mercer Rd In Colts Neck	58	pH, TSS	Monmouth Co HD
Atlantic Coast	12	Mingamahone Brook at Cranberry Rd in Howell Twp	AN0494	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Mingomohone Brook at Belmar Blvd In Farmingdale	23	pH, TSS	Monmouth Co HD
Atlantic Coast	12	Nut Swamp Brook at Normandy Rd in Middletown Twp	AN0464	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Pine Brook at Hockhockson Rd in Tinton Falls	MB-34	Aquatic Life	Monmouth Co HD
Atlantic Coast	12	Pine Brook at Hockhockson Rd In Tinton Falls	34	pH, TSS	Monmouth Co HD
Atlantic Coast	12	Poplar Brook at Almyr Ave in Deal	AN0478	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Poplar Brook at Deal	01407630	pH, TSS	NJDEP/USGS Data
Atlantic Coast	12	Poplar Brook at Ocean Ave In Deal	59	pH, TSS	Monmouth Co HD
Atlantic Coast	12	Poricy Brook at Navesink River Rd in Middletown Twp	AN0463	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Ramanessin Brook at Willow Rd In Holmdel	53	pH, TSS	Monmouth Co HD
Atlantic Coast	12	Silver Lake-12	Silver Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Atlantic Coast	12	Squankum Brook at Easy St In Howell	16	pH, TSS	Monmouth Co HD
Atlantic Coast	12	Town Brook at Middletown	01407090	Phosphorus, pH	NJDEP/USGS Data
Atlantic Coast	12	Town Brook at Spruce Rd in Middletown Twp	AN0461	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Trout Brook at Richdale Rd in Colts Neck	MB-55	Aquatic Life	Monmouth Co HD
Atlantic Coast	12	Turkey Swamp-12	Turkey Swamp	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Atlantic Coast	12	Whale Pond Brook at Route 35 In Eatontown	31	pH, TSS	Monmouth Co HD
Atlantic Coast	12	Wilkson Creek at Church St in Aberdeen Twp	AN0458	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Willow Brook at Willow Brook Rd In Holmdel	52	pH, TSS	Monmouth Co HD
Atlantic Coast	12	Wreck Pond Brook at Allenwood Rd in Wall	MB-14	Aquatic Life	Monmouth Co HD

Wtrshd Region	WMA	Station Name/Waterbody	Site ID	Parameters (Insufficient Data)	Data Source
Atlantic Coast	12	Wreck Pond Brook at Allenwood Rd In Wall	14	pH, TSS	Monmouth Co HD
Atlantic Coast	12	Yellow Brook at Elton-Adelphia Rd In Howell	15	pH, TSS	Monmouth Co HD
Atlantic Coast	12	Yellow Brook at Rt 537 in Colts Neck Twp	AN0471	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Yellow Brook near Malboro	01407360, 12-YEL-1	pH, Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Silver, Zinc	NJDEP/USGS Data, Metal Recon
Atlantic Coast	13	Beaverdam Creek at Rt 88 in Brick Twp	AN0513	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Blacks Br at Naval Air Sta boundary in Manchester Twp	AN0529	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Blacks Br at Rt 70 in Lakehurst	AN0530	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Bordens Mill Br at Colliers Mills WMA in Jackson Twp	AN0525	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Carasaljo Lake-13	Carasaljo Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Atlantic Coast	13	Cedar Creek at Double Trouble St Pk in Berkeley Twp	AN0548	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Cedar Creek at Whiting Lacey Rd in Lacey Twp	AN0546	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Davenport Br at Lacey Rd in Lacey Twp	AN0540	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Dove Mill Br at Grawtown Rd in Jackson Twp	AN0522	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Echo Lake at Maxim-Southard Rd In Howell	67	pH, TSS	Monmouth Co HD
Atlantic Coast	13	Factory Br at Whiting Lacey Rd in Lacey Twp	AN0547	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Forked River N Br at @ powerlines in Lacey Twp	AN0551	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Haystack Brook at Brent Dr in Howell	MB-154	Aquatic Life	Monmouth Co HD
Atlantic Coast	13	Haystack Brook at Rt 547 in Howell Twp	AN0504	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Haystack Brook at Southard Rd in Howell Twp	AN0503	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Jakes Br at Double Trouble Rd in South Toms River	AN0543	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Jakes Br at Dover Rd in Berkeley Twp	AN0542	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Kettle Creek at New Hampshire Ave in Lakewood Twp	AN0515	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Long Br at Lacey - Ocean Twp boundary in Lacey Twp	AN0550	Aquatic Life	NJDEP AMNET

Wtrshd Region	WMA	Station Name/Waterbody	Site ID	Parameters (Insufficient Data)	Data Source
Atlantic Coast	13	Manapaqua Brook at Rt 70 in Manchester Twp	AN0532	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Maple Root Br at Bowman Rd in Jackson Twp	AN0521	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Maple Root Br at Bowman Rd near Homansville	01408285	Fecal Coliform, Temperature, Dissolved Oxygen, TSS	NJDEP/USGS Data
Atlantic Coast	13	Metedeconk River N Br at Jackson Mills Rd In Freehold	6	pH, TSS	Monmouth Co HD
Atlantic Coast	13	Metedeconk River N Br at Rt 527 in Freehold Twp	AN0499	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Metedeconk River N Br at Siloam Rd in Freehold	MB-146	Aquatic Life	Monmouth Co HD
Atlantic Coast	13	Metedeconk River S Br at Bennetts Mill Rd in Jackson Twp	AN0510	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Metedeconk River S Br at Jackson Mills Rd in Jackson Twp	AN0509	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Metedeconk River S Br at Leesville-Siloam Rd in Jackson Twp	AN0508	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Metedeconk River S Br near Laurelton	01408152	pH	NJDEP/USGS Data
Atlantic Coast	13	Mill Creek at of Hay Rd in Stafford Twp	AN0555A	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Muddy Ford Brook at Lakewood-Allenwood Rd In Howell	17	pH, TSS	Monmouth Co HD
Atlantic Coast	13	Old Hurricane Br at Beckerville Rd in Manchester Twp	AN0531	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Oyster Creek at Rt 532 in Ocean Twp	AN0552	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Ridgeway Br at Rt 571 in Jackson Twp	AN0527	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Ridgeway Br UNK Trib at Colliers Mill WMA (outlet of Turn Mill in Jackson Twp	AN0525A	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	School House Br (Cabinfield Br) at Lanes Mill Rd in Lakewood Twp	AN0507	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Shannae Brook at Colliers Mills WMA in Jackson Twp	AN0526	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Shannoc Brook Trib at Colliers Mills	01408480	Dissolved Oxygen	NJDEP/USGS Data
Atlantic Coast	13	Shenandoah Lake-13	Shenandoah Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Atlantic Coast	13	Success Lake-13	Success Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Atlantic Coast	13	Titmouse Creek at Friendship Rd In Howell	19	pH, TSS	Monmouth Co HD
Atlantic Coast	13	Toms River at Paint Island Rd in Millstone Twp	AN0517	Aquatic Life	NJDEP AMNET

Wtrshd Region	WMA	Station Name/Waterbody	Site ID	Parameters (Insufficient Data)	Data Source
Atlantic Coast	13	Toms River at Route 537 In Millstone	7	pH, TSS	Monmouth Co HD
Atlantic Coast	13	Toms River at Rt 528 in Jackson Twp	AN0519	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Toms River at Rt 571 in Millstone Twp	AN0518	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Toms River at S Hope Chapel Rd (Rt 547) in Jackson Twp	AN0523	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Toms River near Toms River	01408500, 13-TOM-1	Arsenic, Cadmium, Mercury, Silver	NJDEP/USGS Data, Metal Recon
Atlantic Coast	13	Toms River trib at Rt 528 in Jackson Twp	AN0520	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Tuckerton Creek at Poor Mans Pkwy in Little Egg Harbor Twp	AN0559A	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Webbs Mill Br at Rt 539 in Lacey Twp	AN0545	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Wells Mill Pond-13	Wells Mill Pond	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Atlantic Coast	13	Westecunk Creek at Forge Rd in Eagleswood Twp	AN0557	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Westecunk Creek at Polypod Rd in Little Egg Harbor Twp	AN0557A	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Albertson Brook at Old Bridge Crossing in Hammonton	AN0572	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Albertson Brook at Wharton Ave in Waterford Twp	AN0571	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Arnold Br at Spur 563 in Bass River Twp	AN0608	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Bass River E Br at Stage Rd in Bass River Twp	AN0612	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Bass River E Br near New Gretna	01410150, 14-EBR-1	Arsenic, Cadmium, Chromium, Mercury, Nickel, Selenium, Silver	NJDEP/USGS Data, Metal Recon
Atlantic Coast	14	Bass River W Br at Stage Rd in Bass River Twp	AN0610	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Batsto Lake-14	Batsto Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Atlantic Coast	14	Batsto River at Batsto	01409500, 14-BAT-1	Arsenic, Cadmium, Chromium, Copper, Mercury, Nickel, Selenium, Silver, Zinc	NJDEP/USGS Data, Metal Recon
Atlantic Coast	14	Batsto River at Carranza Rd in Shamong Twp	AN0579	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Batsto River at Hampton in Shamong Twp	AN0586A	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Batsto River at Quaker Bridge in Washington Twp	AN0586	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Batsto River at Rt 542 in Washington Twp	AN0588	Aquatic Life	NJDEP AMNET

Wtrshd Region	WMA	Station Name/Waterbody	Site ID	Parameters (Insufficient Data)	Data Source
Atlantic Coast	14	Blue Anchor Brook at Rt 30 in Winslow Twp	AN0570	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Cedar Brook at Myrtle Ave in Hammonton	AN0575	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Clarks Br at Burnt Mill Rd in Waterford Twp	AN0567	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Dans Bridge Br at Dan Bridge Rd in Bass River Twp	AN0611	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	East Branch Bass River near New Gretna	01410150, 14-EBR-1	Arsenic, Cadmium, Chromium, Mercury, Nickel, Selenium, Silver	NJDEP/USGS Data, Metal Recon
Atlantic Coast	14	Elliot's Creek at Bremen Ave in Galloway Twp	AN0591	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Great Swamp Br at Rt 206 in Hammonton	AN0574	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Great Swamp Br at Rt 30 in Winslow Twp	AN0573	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Hammonton Creek at Boyer Rd (blw STP) in Hammonton	AN0577	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Hammonton Creek at Columbia Rd in Mullica Twp	AN0578	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Hammonton Creek at Westcoatville	01409416, 14-HAM-2	Arsenic, Cadmium, Silver	NJDEP/USGS Data, Metal Recon
Atlantic Coast	14	Harrisville Pond-14	Harrisville Pond	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Atlantic Coast	14	Hays Mill Creek at Tremont Ave in Waterford Twp	AN0565	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Indian Cabin Creek at EHC Lk outlet in Egg Harbor	AN0594	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Indian Cabin Creek at Fifth Ave in Mullica Twp	AN0593	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Indian Mills Brook at Indian Mills	01409449	Phosphorus, Fecal Coliform	NJDEP/USGS Data
Atlantic Coast	14	Indian Mills Brook at Willow Grove Rd in Shamong Twp	AN0582	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Indian Mills Pond-14	Indian Mills Pond	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Atlantic Coast	14	Landing Creek at Indian Cabin Rd in Egg Harbor	AN0592	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Landing Creek at Rt 30 in Mullica Twp	AN0590	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Landing Creek near Egg Harbor	01409600	Dissolved Oxygen, TSS	NJDEP/USGS Data
Atlantic Coast	14	Little Hauken Run at Rt 563 in Washington Twp	AN0601	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Lucas Br at Pleasant Mills - Weekstown Rd in Mullica Twp	AN0589	Aquatic Life	NJDEP AMNET

Wtrshd Region	WMA	Station Name/Waterbody	Site ID	Parameters (Insufficient Data)	Data Source
Atlantic Coast	14	Mattix Run (Frenches Ditch) at Moss Mill Rd in Galloway Twp	AN0615	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Mile Run at Hawkins - Speedwell Rd in Washington Twp	AN0598	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Mullica River at Burnt House Rd in Waterford Twp	AN0562	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Mullica River at Constable Bridge in Washington Twp	AN0564	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Mullica River at Jackson - Medford Rd in Medford Twp	AN0560	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Mullica River at Jackson Rd in Shamong Twp	AN0561	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Mullica River at Outlet Of Atsion Lake at Atsion	01409387	Arsenic, Cadmium, Chromium, Mercury, Nickel, Selenium, Silver	NJDEP AMNET
Atlantic Coast	14	Muskingum Brook at Tabernacle Rd in Shamong Twp	AN0583	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Nescochague Creek at Pleasant Mills in Mullica Twp	AN0576	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Oswego Lake-14	Oswego Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Atlantic Coast	14	Oswego River at Andrews Rd in Bass River Twp	AN0606	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Oswego River at Harrisville	01410000, 14-OSW-1	Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Silver, Zinc	NJDEP/USGS Data, Metal Recon
Atlantic Coast	14	Oswego River at Rt 539 in Barnegat Twp	AN0603	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Oswego River at Spur 563 in Bass River Twp	AN0607	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Papoose Br at Jenkins Rd in Bass River Twp	AN0605	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Penn Swamp Br at Quaker Bridge - Batsto Rd in Washington Twp	AN0587	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Plains Br at Jenkins Rd in Bass River Twp	AN0604	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Prices Br at Burnt Mill Rd in Waterford Twp	AN0568	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Pump Br at Old White Horse Pike in Winslow Twp	AN0569	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Roberts Br at Carranza Rd in Shamong Twp	AN0580	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Shoal Br at Jones Mill Rd in Woodland Twp	AN0597	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Shoal Br at off Rt. 532 in Woodland Twp	AN0597A	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Skit Br at Carranza Rd in Shamong Twp	AN0581	Aquatic Life	NJDEP AMNET

Wtrshd Region	WMA	Station Name/Waterbody	Site ID	Parameters (Insufficient Data)	Data Source
Atlantic Coast	14	Sleeper Br at Parkdale in Waterford Twp	AN0566	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Springers Brook at Hampton Rd in Shamong Twp	AN0585	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Springers Brook at Rt 206 in Shamong Twp	AN0584	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Stockton State(Fred) Lake-14	Stockton State(Fred) Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Atlantic Coast	14	Tub Mill Br at Spur 563 in Bass River Twp	AN0609	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Tulpehocken Creek at Carranza Rd in Tabernacle Twp	AN0599	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Tulpehocken Creek at Maxwell - Friendship Rd in Washington Twp	AN0600	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Wading River W Br at Chatsworth	01409690	pH, Dissolved Solids, TSS	NJDEP/USGS Data
Atlantic Coast	14	Wading River W Br at Maxwell	01409815	Dissolved Solids	NJDEP/USGS Data
Atlantic Coast	14	Wading River W Br at Rt 532 in Woodland Twp	AN0595	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Wading River W Br at Rt 563 in Washington Twp	AN0602	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Wading River W Br at Rt 563 in Woodland Twp	AN0596	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Wesickaman Creek at Atsion-Quakerbridge Rd in Shamong Twp	AN0563	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Absecon Creek N Br at Garden St Pkwy in Egg Harbor Twp	AN0616	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Absecon Creek S Br at FAA Facility in Egg Harbor Twp	AN0617	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Absecon Creek S Br near Pomona	01410455	Dissolved Solids	NJDEP/USGS Data
Atlantic Coast	15	Babcock Creek at Holly St. in Hamilton Twp	AN0640A	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Babcock Creek at Rt 322 in Hamilton Twp	AN0640	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Deep Run at Rt 559 in Hamilton Twp	AN0637	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Deep Run UNK Trib at Rt 54 in Buena	AN0636	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Faraway Br at Jackson Rd in Monroe Twp	AN0629	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Four Mile Br at Malaga Rd (Rt 536) in Monroe Twp	AN0622	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Gibson Creek at Rt 50 in Estell Manor	AN0647	Aquatic Life	NJDEP AMNET

Wtrshd Region	WMA	Station Name/Waterbody	Site ID	Parameters (Insufficient Data)	Data Source
Atlantic Coast	15	Gibson Creek at Rt 50 near Corbin	01411241	Dissolved Oxygen	NJDEP/USGS Data
Atlantic Coast	15	Gravelly Run at Rt 559 in Hamilton Twp	AN0641	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Great Egg Harbor River at Folsom	01411000, 15-GEH-2	Nickel, Selenium, Silver	NJDEP/USGS Data, Metal Recon
Atlantic Coast	15	Great Egg Harbor River at Rt 54 in Folsom	AN0625	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Great Egg Harbor River at Rt 559 in Hamilton Twp	AN0635	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Great Egg Harbor River at Watsontown-New Freedom Rd in Berlin	AN0620	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Great Egg Harbor River at Weymouth	01411110, 15-GEH-3	Arsenic, Cadmium, Mercury, Silver	NJDEP/USGS Data, Metal Recon
Atlantic Coast	15	Great Egg Harbor River at Williamstown - New Freedom Rd in Winslow Twp	AN0621	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Great Egg Harbor River at Williamstown - Winslow Rd in Monroe Twp	AN0623	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Great Egg Harbor River near Sicklerville	01410784, 15-GEH-1	Arsenic, Cadmium, Silver	NJDEP/USGS Data, Metal Recon
Atlantic Coast	15	Hospitality Br at Blue Bell Rd in Monroe Twp	AN0627	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Hospitality Br at Rt 538 in Monroe Twp	AN0628	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Hospitality Br at Rt 54 in Folsom	AN0633	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Hospitality Branch near Cecil	01411050	Temperature, TSS	NJDEP/USGS Data
Atlantic Coast	15	Jack Pudding Br at Cologne Ave. in Hamilton Twp	AN0640B	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Lenape Lake-15	Lenape Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Atlantic Coast	15	Mare Run at Rt 559 in Hamilton Twp	AN0638	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Marsh Lake Br (Collings Br) at Blue Anchor Rd in Buena Vista Twp	AN0632	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Marsh Lake Br (Collings Br) at Unexpected Rd in Buena Vista Twp	AN0631	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	McNeals Br at Rt 666 in Estell Manor	AN0651	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Mill Creek at Rt 557 in Upper Twp	AN0652	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Miry Run at Thelma Ave in Egg Harbor Twp	AN0642	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Patcong Creek at Spruce Ave in Egg Harbor Twp	AN0618	Aquatic Life	NJDEP AMNET

Wtrshd Region	WMA	Station Name/Waterbody	Site ID	Parameters (Insufficient Data)	Data Source
Atlantic Coast	15	Penny Pot Stream at Eighth St in Folsom	AN0626	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	South River at Estelle Ave in Hamilton Twp	AN0643	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	South River at Forty Wire Rd in Hamilton Twp	AN0644	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Squankum Br at Malaga Rd in Monroe Twp	AN0624	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Stephens Creek at Eleventh Ave in Estell Manor	AN0645	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Stephens Creek at Rt 50 in Estell Manor	AN0646	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Stephens Creek at Rt 50 in Estell Manor	AN0646	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Three Pond Brook at Rt 54 in Buena Vista Twp	AN0634	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Tuckahoe River at Cumberland Ave in Estell Manor	AN0648	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Tuckahoe River at Rt 49 in Estell Manor	AN0650	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Tuckahoe River at Rt 49 in Estell Manor	AN0650	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Tuckahoe River at Rt 49 in Maurice River Twp	AN0649	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Watering Race at Rt 50 in Hamilton Twp	AN0639	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	White Oak Br at Jackson Rd in Monroe Twp	AN0630	Aquatic Life	NJDEP AMNET
Atlantic Coast	16	Delaware Bay	Delaware Bay-9: Cape May Canal	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	16	Dennis Creek Trib 2 at Dennisville	01411428	Temperature	NJDEP/USGS Data
Atlantic Coast	16	Dennisville Lake-16	Dennisville Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Atlantic Coast	16	East Creek Pond-16	East Creek Pond	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Atlantic Coast	16	Fishing Creek at Rio Grande	01411400	Fecal Coliform	NJDEP/USGS Data
Atlantic Coast	16	Lake Nummy-16	Lake Nummy	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Atlantic Coast	16	Old Robins Branch near North Dennis	01411440	Fecal Coliform, pH, TSS	NJDEP/USGS Data
Atlantic Coast	16	Savages Run (East Ck) at Sunset Rd in Dennis Twp	AN0766	Aquatic Life	NJDEP AMNET
Atlantic Coast	16	Savages Run In Belleplain State Forest	01411441	pH, Dissolved Solids, TSS	NJDEP/USGS Data

Wtrshd Region	WMA	Station Name/Waterbody	Site ID	Parameters (Insufficient Data)	Data Source
Atlantic Coast	16	West Creek at Leesburg	01411444	Fecal Coliform	NJDEP/USGS Data
Atlantic Coast	16	West Creek at Rt 550 in Maurice River Twp	AN0765	Aquatic Life	NJDEP AMNET
Atlantic Coast	Atlantic Ocean	Atlantic Ocean	Atlantic Ocean-2: Cape May Offshore	Pathogens	NJDEP Shellfish Monitoring Program
Lower Delaware	17	Reed Br at Royal Ave in Franklin Twp	AN0731	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Alloway Creek UNK Trib at Alloway - Aldine Rd in Alloway Twp	AN0701	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Barrett Run at Maple Ave in Hopewell Twp	AN0713	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Bostwick Lake-17	Bostwick Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	17	Buckshutem Creek near Laurel Lake	01411950	Dissolved Oxygen	NJDEP/USGS Data
Lower Delaware	17	Burnt Mill Br at W Blvd in Newfield	AN0734	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Canton Drain at Maskell Mill	01413065	Dissolved Oxygen, TSS	NJDEP/USGS Data
Lower Delaware	17	Cedar Creek at Main St in Lawrence Twp	AN0718	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Clark's Pond Lake	Clark's Pond Lake-17	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	17	Cohansey River at Beal Rd in Alloway Twp	AN0709	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Cohansey River at Seeley	01412800, 17-COH-1	Arsenic, Cadmium, Chromium, Copper, Mercury, Nickel, Selenium, Silver, Thorium, Zinc	NJDEP/USGS Data
Lower Delaware	17	Culliers Run UNK Trib at Bassett Rd in Mannington Twp	AN0697	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Deep Run at Waterworks Rd in Alloway Twp	AN0703	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Game Creek at Rt 48 in Carneys Point Twp	AN0696	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Hudson Branch at Vineland	17-HUD-1	Cadmium, Copper, Mercury, Nickel, Selenium, Silver, Thorium, Zinc	NJDEP Metal Recon
Lower Delaware	17	Indian Run at Cedar Ln Rd in Upper Pittsgrove Twp	AN0746	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Iona Lake-17	Iona Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	17	Laurel Lake-17	Laurel Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	17	Little Ease Run UNK Trib at Carpenter Rd in Glassboro	AN0726	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Lower Alloway Creek at Perry Rd in Lower Alloways Creek Twp	AN0704	Aquatic Life	NJDEP AMNET

Wtrshd Region	WMA	Station Name/Waterbody	Site ID	Parameters (Insufficient Data)	Data Source
Lower Delaware	17	Mac's Pond-17	Mac's Pond	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	17	Malaga Lake-17	Malaga	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	17	Manumuskin River at Fries Mill (off Cumberland - Port Eliz in Maurice River Twp	AN0763	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Manumuskin River at Old Mays Landing Rd in Vineland	AN0762	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Maurice River near Millville	01411800, 17-MAU-1	pH, Cadmium, Chromium, Copper, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Lower Delaware	17	Menantico Pond-17	Menantico Pond	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	17	Muddy Run at blw Palatine Lk in Pittsgrove Twp	AN0745	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Muddy Run at Dutch Row Rd in Elmer	AN0742	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Muddy Run at Parvins Mill Rd in Pittsgrove Twp	AN0748	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Muddy Run near Norma	01411780	Fecal Coliform, pH	NJDEP/USGS Data
Lower Delaware	17	Nichomus Run at Rt 45 in Pilesgrove Twp	AN0692	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Palatine Br at Dubois Rd in Pittsgrove Twp	AN0744	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Palatine Br at Shirley Rd in Upper Pittsgrove Twp	AN0743	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Parvin Lake-17	Parvin Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	17	Pine Mt Creek at Rt 623 in Greenwich Twp	AN0717	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Rainbow Lake-17	Rainbow Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	17	Salem River at Mill St in Woodstown	AN0691	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Scotland Run at Rt 322 in Monroe Twp	AN0721	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Scotland Run at Rt 40 in Franklin Twp	AN0725	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Shaws Mill Pond-17	Shaws Mill Pond	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	17	Still Run near Malaga	01411453	Dissolved Oxygen	NJDEP/USGS Data
Lower Delaware	17	Swedes Run at Swedes Bridge Rd in Mannington Twp	AN0698	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Thundergust Lake-17	Thundergust Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program

Wtrshd Region	WMA	Station Name/Waterbody	Site ID	Parameters (Insufficient Data)	Data Source
Lower Delaware	17	Two Penny Run at E Quillytown Rd in Carneys Point Twp	AN0695	Aquatic Life	NJDEP AMNET
Lower Delaware	17	White Marsh Run at Hogbin Rd in Millville	AN0754	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Wilson Lake-18	Wilson Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	17	Foxmill Lake-17	Foxmill Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	18	Big Timber Creek S Br at Blackwood Terr	01467329, 18-BIG-1	Cadmium, Mercury	NJDEP/USGS Data, Metal Recon
Lower Delaware	18	Big Timber Creek S Br at Turnersville	01467325	pH, Unionized Ammonia	NJDEP/USGS Data
Lower Delaware	18	Big Timber Creek S Br UNK Trib at Ganttown Rd in Washington Twp	AN0656	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Chestnut Br at Lambs Rd in Mantua Twp	AN0670	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Cooper River at Haddonfield	01467150, 18-CO-4	Cadmium, Mercury	NJDEP/USGS Data, Metal Recon
Lower Delaware	18	Cooper River at Rt 130 at Camden	18-CO-1	Cadmium, Mercury	NJDEP Metal Recon
Lower Delaware	18	Cooper River Lake-18	Cooper River Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	18	Cooper River N Br at Kresson	01467155, 18-CO-2	Phosphorus, pH, Dissolved Oxygen, Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Lower Delaware	18	Cooper River N Br at Kresson Rd in Voorhees Twp	AN0186	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Cooper River S Br at Rt 41 in Cherry Hill Twp	AN0191	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Edwards Run at Pitman - Jefferson Rd in Harrison Twp	AN0673	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Evans Lake-18	Evans Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	18	Greenwich Lake-18	Greenwich Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	18	Haddon Lake-18	Haddon Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	18	Little Timber Creek at Devon Rd in Bellmawr	AN0666	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Little Timber Creek at Paulsboro Rd in Logan Twp	AN0678	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Mantua Creek at Lambs Rd in Mantua Twp	AN0669	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Mason Run at Chews Landing Rd in Lindenwold	AN0662	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Narriticon Lake-18	Narriticon Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program

Wtrshd Region	WMA	Station Name/Waterbody	Site ID	Parameters (Insufficient Data)	Data Source
Lower Delaware	18	Newton Creek S Br at Rt 168 in Mount Ephraim	AN0654	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Oldmans Creek at Jessups Mill	01477440	pH, Dissolved Solids, TSS	NJDEP/USGS Data
Lower Delaware	18	Oldmans Creek at Kings Hwy in Woolwich Twp	AN0688	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Oldmans Creek at Lk Rd in South Harrison Twp	AN0687	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Oldmans Creek at Swedesboro-Monroeville Rd in South Harrison Twp	AN0686	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Pargy Creek at Swedesboro Ave in East Greenwich Twp	AN0677	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Pennsauken Creek N Br at Church Rd in Mount Laurel Twp	AN0178	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Pennsauken Creek N Br at Fellowship Rd. in Cherry Hill		Aquatic Life	NJDEP AMNET
Lower Delaware	18	Pennsauken Creek N Br near Morrestown	01467069, 18-PE-1, 18-PE-2	Cadmium, Mercury	NJDEP/USGS Data, Metal Recon
Lower Delaware	18	Pennsauken Creek S Br at Cherry Hill	01467081, 18-PE-3	Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Zinc	NJDEP/USGS, Metal Recon
Lower Delaware	18	Raccoon Creek at N Main St in Harrison Twp	AN0680	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Raccoon Creek near Swedesboro	01477120, 18-RAC-1	Arsenic, Cadmium, Mercury	NJDEP/USGS Data, Metal Recon
Lower Delaware	18	Raccoon Creek S Br at Swedesboro Rd in South Harrison Twp	AN0681	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Rattling Run at Tomlin Rd in East Greenwich Twp	AN0676	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Still Run at Quaker Rd in East Greenwich Twp	AN0675	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Still Run near Mickelton	01476600	Phosphorus, pH	NJDEP/USGS Data
Lower Delaware	18	Turners Run at Last Bridge Crossing in Washington Twp	AN0657	Aquatic Life	NJDEP AMNET
Lower Delaware	18		Sacajawea Camp	Fecal Coliform	County Department of Health
Lower Delaware	19	Barton Run at Braddock Mill Rd & Rt 73 in Evesham Twp	AN0163	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Barton Run at Tuckerton Rd in Medford Twp	AN0166	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Bear Swamp River at Rt 70 in Southampton Twp	AN0159	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Bisphams Mill Creek at New Lisbon Rd in Pemberton Twp	AN0147	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Black Run at Kettle Run Rd in Evesham Twp	AN0164	Aquatic Life	NJDEP AMNET

Wtrshd Region	WMA	Station Name/Waterbody	Site ID	Parameters (Insufficient Data)	Data Source
Lower Delaware	19	Black Run trib at Braddock Mill Rd in Evesham Twp	AN0165	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Bobbys Run at Smithville Rd in Southampton Twp	AN0171A	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Budds Run at Main St in Pemberton Twp	AN0150	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Burrs Mill Brook at Hedgerhouse Rd in Woodland Twp	AN0153	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Burrs Mill Brook at Sooy PI Rd in Southampton Twp	AN0154	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Crosswicks Creek at Wainford Rd In Upper Freehold	2	pH, TSS	Monmouth Co HD
Lower Delaware	19	Friendship Creek at Friendship Rd in Tabernacle Twp	AN0152	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Friendship Creek at Retreat Rd in Southampton Twp	AN0155	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Greenwood Br at New Lisbon Rd in Pemberton Twp	AN0148	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Haynes Creek at Himmelein Rd in Medford Twp	AN0168	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Jacks Run at Range Rd in New Hanover Twp	AN0149B	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Jade Run at off Rt 206 in Southampton Twp	AN0157	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Jade Run at Stockton Bridge Rd in Pemberton Twp	AN0157A	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Kettle Run at Hopewell Rd in Evesham Twp	AN0167	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Little Creek at Chairville	01465893	Dissolved Solids	NJDEP/USGS Data
Lower Delaware	19	Little Creek at Rt 70 in Southampton Twp	AN0158	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Masons Creek UNK Trib at Ark Rd in Lumberton Twp	AN0172	Aquatic Life	NJDEP AMNET
Lower Delaware	19	McDonalds Br at USGS gage in Woodland Twp	AN0146	Aquatic Life	NJDEP AMNET
Lower Delaware	19	McDonalds Br In Lebanon State Forest	01466500	Dissolved Solids	NJDEP/USGS Data
Lower Delaware	19	Mirror Lake-19	Mirror Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	19	Mt Misery Brook at Rt 70 in Pemberton Twp	AN0145	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Ong Run at W Lake Shore Dr in Pemberton Twp	AN0149A	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Pakim Lake-19	Pakim Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program

Wtrshd Region	WMA	Station Name/Waterbody	Site ID	Parameters (Insufficient Data)	Data Source
Lower Delaware	19	Pole Bridge Br at blw Country Lk in Pemberton Twp	AN0144	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Pole Bridge Br near Browns Mills	01466200	Phosphorus, Dissolved Solids, TSS	NJDEP/USGS Data
Lower Delaware	19	Presidential Lake-19	Presidential Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	19	Rancocas Creek N Br at Hanover Furnace	01465950, 19-RA-1N	TSS, Arsenic, Cadmium, Chromium, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Lower Delaware	19	Rancocas Creek N Br at Main St in Pemberton	AN0149	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Rancocas Creek N Br at Pemberton	01467000, 19-RA-3N	Arsenic, Cadmium, Mercury	NJDEP/USGS Data, Metal Recon
Lower Delaware	19	Rancocas Creek N Br at Pine St at Mt Holly	01467006, 19-RA-4N	Arsenic, Cadmium, Mercury	NJDEP/USGS Data, Metal Recon
Lower Delaware	19	Rancocas Creek N Br blw Hanover Lk in Pemberton Twp	AN0143	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Rancocas Creek S Br at Rt 38 at Hainsport	19-RA-1S	Arsenic, Cadmium, Chromium, Copper, Mercury, Nickel, Selenium, Zinc	NJDEP Metal Recon
Lower Delaware	19	Rancocas Creek S Br at Buddtown - Beaverville Rd in Southampton Twp	AN0156	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Rancocas Creek S Br at Vincentown	01465850, 19-RA-3S	Arsenic, Cadmium, Mercury	NJDEP/USGS Data, Metal Recon
Lower Delaware	19	Rancocas Creek SW Br at Elmwood Rd in Evesham Twp	AN0162	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Rancocas Creek SW Br at Rt 70 in Medford Twp	AN0169	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Rancocas Creek SW Br at Rte 70 in Medford	19-RA-2S	Arsenic, Cadmium, Chromium, Lead, Copper, Mercury, Nickel, Selenium, Zinc	NJDEP Metal Recon
Lower Delaware	19	Sharps Run at Rt 541 in Medford Twp	AN0170	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Smithville Lake-19	Smithville Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	19	Wood Lake-19	Woodlake	Fecal Coliform	County Health Department
Lower Delaware	20	Annaricken Brook at Island Rd in Springfield Twp	AN0139	Aquatic Life	NJDEP AMNET
Lower Delaware	20	Annaricken Brook near Jobstown	01464578	pH, TSS	NJDEP/USGS Data
Lower Delaware	20	Assiscunk Creek at Cedar Lane at Springfield	20-AS-1	Copper, Nickel, Selenium, Zinc	NJDEP/USGS Metal Recon
Lower Delaware	20	Assiscunk Creek at Columbus - Georgetown Rd in Springfield Twp	AN0138	Aquatic Life	NJDEP AMNET
Lower Delaware	20	Assiscunk Creek UNK Trib at Oxmead Rd in Burlington Twp	AN0142C	Aquatic Life	NJDEP AMNET
Lower Delaware	20	Bacon Run at White Pine Rd in Mansfield Twp	AN0133	Aquatic Life	NJDEP AMNET

Wtrshd Region	WMA	Station Name/Waterbody	Site ID	Parameters (Insufficient Data)	Data Source
Lower Delaware	20	Bacons Creek near Mansfield Square	01464529	Phosphorus	NJDEP/USGS Data
Lower Delaware	20	Barkers Brook N Br at Juliustown Rd in Springfield Twp	AN0140	Aquatic Life	NJDEP AMNET
Lower Delaware	20	Barkers Brook N Br near Jobstown	01464583	TSS	NJDEP/USGS Data
Lower Delaware	20	Crafts Creek at Gaunts Bridge Rd in Mansfield Twp	AN0135	Aquatic Life	NJDEP AMNET
Lower Delaware	20	Crosswicks Creek at Extonville	01464500, 20-CRO-1	Arsenic, Cadmium, Mercury	NJDEP/USGS Data, Metal Recon
Lower Delaware	20	Crosswicks Creek at Groveville Rd. at Groveville	01464504, 20-CRO-2	TSS, Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Lower Delaware	20	Crystal Lake-20	Crystal Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	20	Delaware River Zone 2, 02040202-053		Zinc	DRBC
Lower Delaware	20	Doctors Creek at Breza Rd in Upper Freehold	MB-123	Aquatic Life	Monmouth Co HD
Lower Delaware	20	Doctors Creek at Red Valley Rd in Upper Freehold Twp	AN0127	Aquatic Life	NJDEP AMNET
Lower Delaware	20	Ivanhoe Brook at Millers Mill Rd in Upper Freehold Twp	AN0123	Aquatic Life	NJDEP AMNET
Lower Delaware	20	Ivanhoe Brook at Olde Noah Hunt Rd in Millstone	MB-FA	Aquatic Life	Monmouth Co HD
Lower Delaware	20	Miry Run at Holmes Mill Rd in Upper Freehold Twp	AN0125B	Aquatic Life	NJDEP AMNET
Lower Delaware	20	Negro Run at Red Valley Rd in Upper Freehold Twp	AN0128	Aquatic Life	NJDEP AMNET
Lower Delaware	20	Negro Run at Sharon Station Rd in Upper Freehold	MB-122	Aquatic Life	Monmouth Co HD
Lower Delaware	20	Oakford Lake-20	Oakford Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	20	Prosperstown Lake-20	Prosperstown Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	20	Shappen Run at Holmes Mill Rd in Upper Freehold	MB-120	Aquatic Life	Monmouth Co HD
Lower Delaware	20	South Run at Cookstown Rd in New Hanover Twp	AN0119A	Aquatic Life	NJDEP AMNET
Northeast	03	Gordon Lakes-03	Gordon Lake	Fecal Coliform	Health Department
Northeast	03	Packanack Brook at Osbourne Rd in Wayne Twp	AN0270	Aquatic Life	NJDEP AMNET
Northeast	03	Pequannock River at Macopin Intake Dam	01382500, 3-SITE-8, 3-PEQ-1	Arsenic, Cadmium, Mercury	NJDEP/USGS Data, Metal Recon
Northeast	03	Pequannock River at Riverdale	01382800	Fecal Coliform, pH, Nitrate, TSS	NJDEP/USGS Data

Wtrshd Region	WMA	Station Name/Waterbody	Site ID	Parameters (Insufficient Data)	Data Source
Northeast	03	Pompton River at Pompton Plains	01388500, 3-SITE-7	Arsenic, Cadmium, Chromium, Mercury, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Northeast	03	Ramapo River at Dawes Highway	01388100	Fecal Coliform, pH, Nitrate, TSS	NJDEP/USGS Data
Northeast	03	Ramapo River near Mahwah	01387500	Arsenic, Cadmium, Mercury	NJDEP/USGS Data, Metal Recon
Northeast	03	Shepherd Lake-03	Shepherd Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Northeast	03	Wanaque River near Awosting	01383505	pH, Temperature, Dissolved Oxygen	NJDEP/USGS Data
Northeast	04	Branchbrook Park Lake-04	Branchbrook Park Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Northeast	04	Diamond Brook at Fair Lawn	01389860	Phosphorus, pH, Dissolved Solids, TSS	NJDEP/USGS Data
Northeast	04	Diamond Brook at Hemlock St in Fair Lawn	AN0278	Aquatic Life	NJDEP AMNET
Northeast	04	Goffle Brook at Wyckoff Ave in Midland Park	AN0277A	Aquatic Life	NJDEP AMNET
Northeast	04	Passaic River at Little Falls	01389500, 4-SITE-6, 4-PAS-3	Nickel, Selenium	NJDEP/USGS Data
Northeast	04	Passaic River at Singac	01389130, 4-PAS-4	Selenium, Nickel	NJDEP Metal Recon
Northeast	04	Peckman River at Bradford Ave in Cedar Grove Twp	AN0275A	Aquatic Life	NJDEP AMNET
Northeast	04	Ramsey Brook at Allendale	01390900	Phosphorus, Dissolved Solids	NJDEP/USGS Data
Northeast	04	Ramsey Brook at Park Ave in Allendale	AN0287	Aquatic Life	NJDEP AMNET
Northeast	04	Saddle River at Fairlawn	01391200, 4-SITE-13, 4-SAD-1	Arsenic, Mercury	NJDEP/USGS Data, Metal Recon
Northeast	04	Saddle River at Lodi	01391500, 4-SITE-12	Arsenic, Mercury, Nickel, Selenium	NJDEP/USGS Data, Metal Recon
Northeast	04	Saddle River at Saddle River	01390470	Temperature	NJDEP/USGS Data
Northeast	04	Saddle River W Br at Upper Saddle River	01390445	Phosphorus, pH, Temperature, Dissolved Oxygen, Dissolved Solids, TSS	NJDEP/USGS Data
Northeast	04	Valentine Brook at Forest Ave in Allendale	AN0284	Aquatic Life	NJDEP AMNET
Northeast	05	Dorotockeys Run at Tappan Rd in Harrington Park	AN0210	Aquatic Life	NJDEP AMNET
Northeast	05	Hackensack River at Old Tappan	01376970, 5-HAC-2	Fecal Coliform, Temperature, Cadmium, Chromium, Copper, Lead, Nickel, Selenium, Zinc	NJDEP/USGS Data

Wtrshd Region	WMA	Station Name/Waterbody	Site ID	Parameters (Insufficient Data)	Data Source
Northeast	05	Hackensack River at Rivervale	01377000, 5-HAC-3	Cadmium, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Northeast	05	Overpeck Creek at Dean Dr in Englewood	AN0212	Aquatic Life	NJDEP AMNET
Northeast	05	Pascack Brook at Westwood	01377500, 5-PAS-1	Dissolved Solids, Cadmium, Chromium, Copper, Lead, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Northeast	05	Tenakill Brook at Cedar Lane at Closter	01378387, 5-TEN-2	Phosphorus, Dissolved Solids, Cadmium, Chromium, Copper, Mercury, Nickel, Selenium, Zinc	NJDEP/USGS Data
Northeast	05	Tenakill Brook on Grant Ave, Creskill	5-TEN-1	Arsenic, Cadmium, Chromium, Copper, Mercury, Nickel, Selenium, Zinc	NJDEP Metal Recon
Northeast	06	Ames Lake-06	Ames Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Northeast	06	Canoe Brook at McClellan St in Livingston Twp	AN0231E	Aquatic Life	NJDEP AMNET
Northeast	06	Crooked Brook at Vista Rd in Montville Twp	AN0253	Aquatic Life	NJDEP AMNET
Northeast	06	Crooked Brook near Towaco	01381050	Dissolved Solids, TSS	NJDEP/USGS Data
Northeast	06	Dead River UNK Trib at Somerville Rd (Liberty Cor) in Bernards Twp	AN0225	Aquatic Life	NJDEP AMNET
Northeast	06	Great Brook at Blackberry Ln in Morris Twp	AN0218	Aquatic Life	NJDEP AMNET
Northeast	06	Green Pond Brook at Dover	01379800	Fecal Coliform, pH, Nitrate, TSS	NJDEP/USGS Data
Northeast	06	Harrison Brook at Valley Rd in Bernards Twp	AN0227A	Aquatic Life	NJDEP AMNET
Northeast	06	Loantaka Brook at Bluestone Terr in Morris Twp	AN0220	Aquatic Life	NJDEP AMNET
Northeast	06	Loantaka Brook at Green Village Rd in Chatham Twp	AN0221	Aquatic Life	NJDEP AMNET
Northeast	06	Mill Brook at Palmer Rd in Randolph Twp	AN0244	Aquatic Life	NJDEP AMNET
Northeast	06	Mt. Hope Pond-06	Mt. Hope Pond	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Northeast	06	Passaic River at Two Bridges	01382000, 6-SITE-3	Cadmium, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Northeast	06	Passaic River near Catham	01379500, 6-SITE-1, 6-PAS-2	Chromium, Nickel, Selenium	NJDEP/USGS Data, Metal Recon
Northeast	06	Passaic River near Millington	01379000, 6-SITE-2, 6-PAS-1	Chromium, Nickel, Selenium	NJDEP/USGS Data, Metal Recon
Northeast	06	Rockaway River at Boonton	01380500, 6-SITE-11	Copper, Nickel	Metal Recon
Northeast	06	Rockaway River at Longwood Valley	01379680	Fecal Coliform, pH	NJDEP/USGS Data
Northeast	06	Rockaway River at Pine Brook	01381200, 6-SITE-10, 6-ROC-1	Arsenic, Cadmium, Mercury	NJDEP/USGS Data, Metal Recon
Northeast	06	Rockaway River at River Rd in Parsippany-Troy Hills Twp	AN0251	Aquatic Life	NJDEP AMNET
Northeast	06	Stony Brook at Boonton	01380320	Dissolved Solids, TSS	NJDEP/USGS Data
Northeast	06	Sunrise Lake-06	Sunrise Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Northeast	06	Surprise Lake-06	Surprise Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program

Wtrshd Region	WMA	Station Name/Waterbody	Site ID	Parameters (Insufficient Data)	Data Source
Northeast	06	Troy Brook at Lake Rd in Mountain Lakes	AN0236	Aquatic Life	NJDEP AMNET
Northeast	06	Whippany River at Morristown	01381500, 6-WHI-1	Arsenic, Cadmium, Mercury, Zinc	NJDEP/USGS Data, Metal Recon
Northeast	06	Whippany River near Pine Brook	01381800, 6-WHI-2	Arsenic, Cadmium, Mercury	NJDEP/USGS Data, Metal Recon
Northwest	11	Assunpink Creek at Peace Street at Trenton	01464020, 11-AS-3	Cadmium, Mercury	NJDEP/USGS Data
Northwest	11	Assunpink Creek near Clarksville	01463620, 11-AS-2	Chromium, Nickel, Selenium, Zinc	NJDEP/USGS, Metal Recon
Northwest	11	Assunpink Creek near Edinburg	11-AS-4	Chromium, Nickel, Selenium, Zinc	NJDEP Metal Recon
Northwest	01	Big Flat Brook at Tuttle's Corner	01439830	Temperature, Dissolved Oxygen	NJDEP/USGS Data
Northwest	01	Blair Creek at blw Fairview Lk in Stillwater Twp	AN0025A	Aquatic Life	NJDEP AMNET
Northwest	01	Columbia Lake-01	Columbia Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Northwest	01	Culvers Creek at Long Bridge Rd in Frankford Twp	AN0018	Aquatic Life	NJDEP AMNET
Northwest	01	Dry Brook at Rt 519 in Frankford Twp	AN0019	Aquatic Life	NJDEP AMNET
Northwest	01	Dry Brook at Rt 519 near Branchville	01443370	Phosphorus, TSS	NJDEP/USGS Data
Northwest	01	Hances Brook at Rt 57 in Mansfield Twp	AN0070	Aquatic Life	NJDEP AMNET
Northwest	01	Jacksonburg Creek near Blairstown	01443600	pH, Temperature	NJDEP/USGS Data
Northwest	01	Jacksonburg Creek near Millbrook	01443550	Fecal Coliform, pH, Temperature	NJDEP Clean Lakes Program
Northwest	01	Marcia Lake-01	Marcia Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Northwest	01	Mill Brook UNK Trib at off Rt 23 in Montague Twp	AN0001	Aquatic Life	NJDEP AMNET
Northwest	01	Mountain Lake Brook at blw Mtn Lk in Liberty Twp	AN0044	Aquatic Life	NJDEP AMNET
Northwest	01	Musconetcong River at Beattystown	01456200, 1-MUS-3	Mercury	NJDEP/USGS Data, Metal Recon
Northwest	01	Musconetcong River at Riegelsville	01457400, 1-MUS-5	Arsenic, Mercury	NJDEP/USGS Data, Metal Recon
Northwest	01	Musconetcong River blw Lk Hopatcong in Roxbury Twp	AN0062	Aquatic Life	NJDEP AMNET
Northwest	01	Musconetcong River near Bloomsbury	01457000, 1-MUS-4	Arsenic, Mercury	NJDEP/USGS Data, Metal Recon
Northwest	01	Paulins Kill at Balesville	01443440, 1-PAU-1	Mercury	NJDEP/USGS Data, Metal Recon
Northwest	01	Paulins Kill at blw Paulins Kill Lk in Stillwater Twp	AN0022	Aquatic Life	NJDEP AMNET

Wtrshd Region	WMA	Station Name/Waterbody	Site ID	Parameters (Insufficient Data)	Data Source
Northwest	01	Paulins Kill UNK Trib at Lafayette Meadows Rd in Lafayette Twp	AN0016	Aquatic Life	NJDEP AMNET
Northwest	01	Pequest River at Huntsville	01445000	pH, Temperature, TSS	NJDEP/USGS Data
Northwest	01	Pequest River at Pequest	01445500, 1-PEQ-2	Arsenic, Mercury	NJDEP/USGS Data, Metal Recon
Northwest	01	Pequest River at Rt206 Below Springdale	01444970	Temperature, Dissolved Oxygen	NJDEP/USGS Data
Northwest	01	Pequest River on Water Street at Belvidere	01446400, 1-PEQ-3	Copper, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Northwest	01	Sawmill Lake-01	Sawmill Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Northwest	01	Saxton Lake-01	Saxton Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Northwest	01	Steenykill Lake-01	Steenykill Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Northwest	01	Stony Lake-01	Stony Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Northwest	01	Troy Brook at blw Swartswood Lk in Stillwater Twp	AN0023	Aquatic Life	NJDEP AMNET
Northwest	01	Yards Creek at Mt Vernon Rd in Blairstown Twp	AN0030	Aquatic Life	NJDEP AMNET
Northwest	02	Clove Brook UNK Trib at Rose Marrow Ave in Wantage Twp	AN0308	Aquatic Life	NJDEP AMNET
Northwest	02	Lake Lookout Brook (trib to Wawayanda Ck) at Wawayanda St Pk in Vernon Twp	AN0294	Aquatic Life	NJDEP AMNET
Northwest	02	Papakating Creek at Sussex	01367910, 2-PAP-1	Cadmium, Mercury	NJDEP/USGS Data, Metal Recon
Northwest	02	Papakating Creek near Sussex	01367860	Phosphorus, pH	
Northwest	02	Papakating Creek W Br at McCoys Corner	01367850	pH, TSS	NJDEP/USGS Data
Northwest	02	Shappen Run at Holmes Mill Rd in Upper Freehold	MB-120	Aquatic Life	Monmouth Co HD
Northwest	02	Wallkill River at Rt 94 in Hamburg	AN0300, 2-WAL-3	Cadmium, Mercury	NJDEP AMNET, NJDEP/USGS Data, Metal Recon
Northwest	02	Wallkill River at Scott Rd in Franklin	01367715, 2-WAL-2, AN0299	Cadmium, Mercury	NJDEP/USGS Data, Metal Recon
Northwest	02	Wallkill River near Franklin	01367700, 2-WAL-1	Cadmium, Mercury	NJDEP/USGS Data, Metal Recon
Northwest	02	Wallkill River near Sussex	01367770, 2-WAL-4	Cadmium, Mercury	NJDEP/USGS Data, Metal Recon
Northwest	02	Wallkill River near Unionville	01368000, 2-WAL-5	Cadmium, Mercury	NJDEP/USGS Data, Metal Recon
Northwest	02	Wawayanda Brook at Canal Rd in Vernon Twp	AN0295	Aquatic Life	NJDEP AMNET
Northwest	02	Wawayanda Lake-02	Wawayanda Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Northwest	11	Assunpink Creek at Roosevelt Rd in Roosevelt	AN0108	Aquatic Life	NJDEP AMNET

Wtrshd Region	WMA	Station Name/Waterbody	Site ID	Parameters (Insufficient Data)	Data Source
Northwest	11	Assunpink Lake-11	Assunpink Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Northwest	11	Copper Creek at Horseshoe Bend Rd in Kingwood Twp	AN0084	Aquatic Life	NJDEP AMNET
Northwest	11	Copper Creek near Frenchtown	01458710	Phosphorus, TSS	NJDEP/USGS Data
Northwest	11	Jacobs Creek at Bear Tavern	01462739	Phosphorus, pH	NJDEP/USGS Data
Northwest	11	Little Shabakunk Creek at Princeton Pike (Rt 583) in Lawrence Twp	AN0112	Aquatic Life	NJDEP AMNET
Northwest	11	Little Shabakunk Creek at Rt 206 in Lawrence Twp	AN0112X	Aquatic Life	NJDEP AMNET
Northwest	11	Mercer County Park Lake-11	Mercer County Park Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Northwest	11	Miry Run at Pond Rd in Washington Twp	AN0115A	Aquatic Life	NJDEP AMNET
Northwest	11	Plum Brook at Rt 579 in Raritan Twp	AN0092	Aquatic Life	NJDEP AMNET
Northwest	11	Plum Brook near Locktown	01461262	Phosphorus, pH, Temperature, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northwest	11	Rising Sun Lake-11	Rising Sun Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Northwest	11	Shabakunk Creek at Bull Run Rd in Hopewell Twp	AN0113	Aquatic Life	NJDEP AMNET
Northwest	11	Shabakunk Creek near Lawrenceville	01463810	pH, Dissolved Oxygen, Dissolved Solids, Unionized Ammonia	NJDEP/USGS Data
Northwest	11	Shipetaukin Creek UNK Trib at Van Kirk Rd in Lawrence Twp	AN0110	Aquatic Life	NJDEP AMNET
Northwest	11	Stone Tavern Lake-11	Stone Tavern Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Northwest	11	Swan Creek at Swan St in Lambertville	AN0099	Aquatic Life	NJDEP AMNET
Northwest	11	Warford Creek at Rt 29 in Kingwood Twp	AN0085	Aquatic Life	NJDEP AMNET
Northwest	11	Wickecheoke Creek at Croton	01461220	Phosphorus, pH, Temperature, Dissolved Solids, TSS, Unionized Ammonia	NJDEP/USGS Data
Northwest	11	Wickecheoke Creek at Rt 579 in Raritan Twp	AN0090	Aquatic Life	NJDEP AMNET
Northwest	11	Woolseys Brook at Rt 546 in Hopewell Twp	AN0104	Aquatic Life	NJDEP AMNET
Raritan	07	Elizabeth River at Ursino Lk at Elizabeth	01393450, 7-ELI-2	Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Silver, Thorium, Zinc	NJDEP/USGS Data, Metal Recon
Raritan	07	Elizabeth River on Columbia Ave in Hillside	7-ELI-1	Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Silver, Thorium, Zinc, Thallium	NJDEP/USGS Metal Recon.
Raritan	07	Elizabeth River W Br at Vaux Hall Rd in Union Twp	AN0202	Aquatic Life	NJDEP AMNET
Raritan	07	Elizabeth River W Br near Union	01393350, 7-WBE-1	pH, Dissolved Oxygen, Dissolved Solids, Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Silver, Thorium, Zinc	NJDEP/USGS Data, Metal Recon

Wtrshd Region	WMA	Station Name/Waterbody	Site ID	Parameters (Insufficient Data)	Data Source
Raritan	07	Morse Creek on Edgar Rd. in Linden	7-MOR-1	Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Silver, Thorium, Zinc, Thallium	NJDEP/USGS Metal Recon.
Raritan	07	Rahway River at Northfield Ave in West Orange	AN0192	Aquatic Life	NJDEP AMNET
Raritan	07	Rahway River at Rahway	01395000, 7-RAH-1	Mercury	NJDEP/USGS Data, Metal Recon
Raritan	07	Rahway River S Br near Maple Ave in Woodbridge	7-SBR-1	Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Silver, Thallium, Zinc	NJDEP Metal Recon
Raritan	07	Rahway River W Br at Northfield Ave. at West Orange	01393960	Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Silver, Thorium, Zinc	NJDEP/USGS Data
Raritan	07	Robinson Br at Scotch Plains	01395200	pH, TSS	NJDEP/USGS Data
Raritan	07	Robinson Br at St Georges Av at Rahway	01396003, 7-ROB-1	TSS, Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Silver, Thorium, Zinc	NJDEP/USGS Data, Metal Recon
Raritan	07	Robinsons Br trib at Lamberts Mill Rd in Westfield	AN0198	Aquatic Life	NJDEP AMNET
Raritan	07	Robinsons Br trib at Raritan (Terrell) Rd in Scotch Plains Twp	AN0197	Aquatic Life	NJDEP AMNET
Raritan	08	Back Brook at Wertsville Rd in East Amwell Twp	AN0334	Aquatic Life	NJDEP AMNET
Raritan	08	Chambers Brook at North Branch Depot	01399900	Phosphorus, pH, TSS	NJDEP/USGS Data
Raritan	08	Chambers Brook B at Love Rd in Bedminster Twp	AN0371	Aquatic Life	NJDEP AMNET
Raritan	08	Dawsons Brook near Ironia	01398300	Fecal Coliform, Temperature, Dissolved Oxygen	NJDEP/USGS Data
Raritan	08	First Neshanic River at Rt 31 in Raritan Twp	AN0330	Aquatic Life	NJDEP AMNET
Raritan	08	Middle Brook at Burnt Mills	01399100	Phosphorus, Fecal Coliform, pH, TSS	NJDEP/USGS Data
Raritan	08	Mulhockaway Creek at Van Syckel	01396660, 8-MU-1	Arsenic, Cadmium, Mercury	NJDEP/USGS Data, Metal Recon
Raritan	08	Neshanic River at Reaville	01398000, 8-NE-1	Arsenic, Cadmium, Chromium, Mercury, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Raritan	08	Raritan River N Br at Burnt Mills	01399120, 8-NB-2	Arsenic, Cadmium, Chromium, Lead, Mercury, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Raritan	08	Raritan River S Br Arch St at High Bridge	01396535, 8-SB-2	Arsenic, Cadmium, Mercury	NJDEP/USGS Data, Metal Recon
Raritan	08	Raritan River S Br at Middle Valley	01396280, 8-SB-1	Arsenic, Cadmium, Mercury	NJDEP/USGS Data, Metal Recon
Raritan	08	Raritan River S Br at Neshanic Station	01398070	Phosphorus, Fecal Coliform, pH	NJDEP/USGS Data
Raritan	08	Raritan River S Br at Smithtown Rd in Mount Olive Twp	AN0310	Aquatic Life	NJDEP AMNET
Raritan	08	Raritan River S Br at South Branch	01398102, 8-SB-6	Cadmium, Mercury, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Raritan	08	Raritan River S Br at Stanton Station	01397000, 8-SB-3	Cadmium, Mercury	NJDEP/USGS Data, Metal Recon
Raritan	08	Raritan River S Br at Three Bridges	01397400, 8-SB-4	Arsenic, Cadmium, Mercury	NJDEP/USGS Data, Metal Recon

Wtrshd Region	WMA	Station Name/Waterbody	Site ID	Parameters (Insufficient Data)	Data Source
Raritan	08	Rockaway Creek at Whitehouse	01399700, 8-RO-1	Arsenic, Cadmium, Chromium, Copper, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Raritan	08	Spruce Run at Clinton	01396800, 8-SP-1	Arsenic, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Raritan	08	Spruce Run near Glen Gardner	01396588, 8-SP-2	Arsenic, Cadmium, Mercury	NJDEP/USGS Data, Metal Recon
Raritan	08	Stony Brook at Fairview Avenue at Naughtright	01396219	Phosphorus	NJDEP/USGS Data
Raritan	08		Pavillion Beach	Fecal Coliform	Health Department
Raritan	09	Ambrose Brook at Behmer Rd in Piscataway Twp	AN0425A	Aquatic Life	NJDEP AMNET
Raritan	09	Barclay Brook at Rt 527 in Old Bridge Twp	AN0450	Aquatic Life	NJDEP AMNET
Raritan	09	Barclay Brook near Englishtown	01405285	Fecal Coliform, Dissolved Oxygen, TSS	NJDEP/USGS Data
Raritan	09	Cuckels Brook at Rt 28 in Bridgewater Twp	AN0415	Aquatic Life	NJDEP AMNET
Raritan	09	Dukes Brook at Dukes Pkwy in Hillsborough Twp	AN0375	Aquatic Life	NJDEP AMNET
Raritan	09	Farrington Lake-09	Farrington Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Raritan	09	Green Brook at Green Brook Park, Park Dr. in Raritan R		Aquatic Life	NJDEP AMNET
Raritan	09	Green Brook at North Plainfield	01403470	pH, Temperature, Dissolved Oxygen, Dissolved Solids, TSS	NJDEP/USGS Data
Raritan	09	Ireland Brook at Patricks Corners	01404470	Phosphorus, Fecal Coliform	NJDEP/USGS Data
Raritan	09	Iresick Brook at Rt 527 in Old Bridge Twp	AN0452	Aquatic Life	NJDEP AMNET
Raritan	09	Lake Topanemus at Pond Rd In Freehold	61	pH, TSS	Monmouth Co HD
Raritan	09	Lawrence Brook on Davidson's Mill Rd, Black Horse	9-LAW-1	Nickel, Selenium	NJDEP Metal Recon
Raritan	09	Manalapan Brook at Federal Rd near Manalapan	01405340, 9-MAN-1	Arsenic, Cadmium, Lead, Mercury	NJDEP/USGS Data, Metal Recon
Raritan	09	Manalapan Brook near Spotswood	01405440, 9-MAN-2	Cadmium, Chromium, Copper, Mercury, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Raritan	09	Matchaponix Brook at Englishtown	01405195	Phosphorus, pH	NJDEP/USGS Data
Raritan	09	McGellairs Brook at Rt 9 in Freehold Twp	AN0444	Aquatic Life	NJDEP AMNET
Raritan	09	McGellairs Brook at Waterworks Rd in Freehold	MB-97	Aquatic Life	Monmouth Co HD
Raritan	09	McGolliard Brook at Main St In Englishtown	22	pH, TSS	Monmouth Co HD
Raritan	09	Middle Brook E Br at Green Valley Rd in Warren Twp	AN0418	Aquatic Life	NJDEP AMNET
Raritan	09	Middle Brook W Br at Chimney Rock Rd in Bridgewater Twp	AN0417	Aquatic Life	NJDEP AMNET
Raritan	09	Middle Brook W Br at Crim Rd in Bridgewater Twp	AN0416	Aquatic Life	NJDEP AMNET
Raritan	09	Milford Brook at Pease Rd in Manalapan Twp	AN0446	Aquatic Life	NJDEP AMNET
Raritan	09	Mill Brook at Woodbridge Ave in Edison Twp	AN0436	Aquatic Life	NJDEP AMNET
Raritan	09	New Market Lake-09	New Market Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Raritan	09	Oakeys Brook at Davidsons Mill Rd in North Brunswick Twp	AN0432	Aquatic Life	NJDEP AMNET

Wtrshd Region	WMA	Station Name/Waterbody	Site ID	Parameters (Insufficient Data)	Data Source
Raritan	09	Peters Brook at Rt 28 at Somerville	01400395	Phosphorus, pH	NJDEP/USGS Data
Raritan	09	Raritan River trib at Rt 527 in Franklin Twp	AN0427	Aquatic Life	NJDEP AMNET
Raritan	09	Sawmill Brook at Ryders Ln in East Brunswick Twp	AN0435	Aquatic Life	NJDEP AMNET
Raritan	09	Tappan Brook at Tennent Rd in Manalapan Twp	AN0445	Aquatic Life	NJDEP AMNET
Raritan	09	Watchung Lake-09	Watchung Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Raritan	09	Weemaconk Creek (Spotswood Middle B at Freehold-Englishtown Rd in Manalapan	MB-82	Aquatic Life	Monmouth Co HD
Raritan	09	Weemaconk Creek at Rt 9 in Freehold Twp	AN0441	Aquatic Life	NJDEP AMNET
Raritan	09	Weemaconk Creek at Main St in Manalapan	9	pH, TSS	Monmouth Co HD
Raritan	09	Wenrock Brook at Rt #9 (After 1st Pipe) in Freehold	69	pH, TSS	Monmouth Co HD
Raritan	09	Wenrock Brook at Rt #9 (Before Pipes) in Freehold	68	pH, TSS	Monmouth Co HD
Raritan	09	Wenrock Brook at Wenrock Rd in Freehold Twp	AN0442	Aquatic Life	NJDEP AMNET
Raritan	10	Amwell Lake-10	Amwell Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Raritan	10	Back Brook at Rt 206 in Montgomery Twp	AN0404	Aquatic Life	NJDEP AMNET
Raritan	10	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	pH, TSS	Monmouth Co HD
Raritan	10	Beden Brook on Aunt Molly Rd (abv STP) in Hopewell	10-BED-1	Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Raritan	10	Bedens Brook near Rocky Hill	01401600, 10-BED-2, 10-BED-3	Arsenic, Cadmium, Chromium, Copper, Mercury, Nickel, Selenium, Zinc	NJDEP/USGS Data, Metal Recon
Raritan	10	Bentley Brook at Prodelin Way downstream in Millstone	MB-CB	Aquatic Life	Monmouth Co HD
Raritan	10	Bentley Brook at Prodelin Way in Millstone	MB-CA	Aquatic Life	Monmouth Co HD
Raritan	10	Brainerd Lake-10	Brainerd Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Raritan	10	Camp Harmony Br of Stony Brook at Van Dyke Rd in Hopewell Twp	AN0390	Aquatic Life	NJDEP AMNET
Raritan	10	Carnegie Lake-10	Carnegie Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Raritan	10	Cruiser Brook at Rt 206 in Montgomery Twp	AN0403	Aquatic Life	NJDEP AMNET
Raritan	10	Duck Pond Run at Clarksville	01401200	Phosphorus, pH, Dissolved Oxygen, Dissolved Solids, TSS	Monmouth Co HD
Raritan	10	Duck Pond Run at Rt 1 in West Windsor Twp	AN0394	Aquatic Life	NJDEP AMNET
Raritan	10	Heathcote Brook at Stouts Ln in South Brunswick Twp	AN0395	Aquatic Life	NJDEP AMNET
Raritan	10	Millstone River at Backbone Hill Rd in Millstone	MB-MIL15	Aquatic Life	Monmouth Co HD
Raritan	10	Millstone River at Baird Rd in Millstone	MB-MIL12	Aquatic Life	Monmouth Co HD
Raritan	10	Millstone River at Baird Rd in Millstone Twp	AN0378	Aquatic Life	NJDEP AMNET
Raritan	10	Millstone River at Blackwells Mills	01402000, 10-MIL-5, 10-MIL-6, 10-MIL-3	Cadmium, Mercury	NJDEP/USGS Data, Metal Recon

Wtrshd Region	WMA	Station Name/Waterbody	Site ID	Parameters (Insufficient Data)	Data Source
Raritan	10	Millstone River at Kingston	01401440, 10-MIL-2	Copper, Nickel, Selenium	NJDEP/USGS Data, Metal Recon
Raritan	10	Millstone River at Nolan Dr in Millstone	MB-MILL3	Aquatic Life	Monmouth Co HD
Raritan	10	Millstone River at off Rt 27 in Princeton Twp	AN0397	Aquatic Life	NJDEP AMNET
Raritan	10	Millstone River at Roberts Rd in Millstone	MB-MILL6	Aquatic Life	Monmouth Co HD
Raritan	10	Millstone River at Route 33 in Millstone	5	pH, TSS	Monmouth Co HD
Raritan	10	Millstone River at Stillhouse Rd in Millstone	MB-MILL4	Aquatic Life	Monmouth Co HD
Raritan	10	Millstone River at Weston	01402540, 10-MIL-3	Cadmium, Mercury	NJDEP/USGS Data
Raritan	10	Millstone River near Manalapan	01400540, 10-MIL-1	Cadmium, Mercury	Metal Recon
Raritan	10	Pike Run at Rt 206 in Hillsborough Twp	AN0402	Aquatic Life	NJDEP AMNET
Raritan	10	Rock Brook at Long Hill Rd in Montgomery Twp	AN0399	Aquatic Life	NJDEP AMNET
Raritan	10	Rock Brook on Burnt Hill Rd in Montgomery Twp	10-RO-1	Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Zinc	NJDEP/USGS Metal Recon.
Raritan	10	Rocky Brook at Bliner Rd in Millstone	MB-PARK5	Aquatic Life	Monmouth Co HD
Raritan	10	Rocky Brook at Fairplay Rd in Millstone	MI-70	Aquatic Life	Monmouth Co HD
Raritan	10	Rocky Brook at Perrineville Rd in Millstone Twp	AN0380	Aquatic Life	NJDEP AMNET
Raritan	10	Rocky Brook at Perrineville	01400585	Arsenic, Cadmium, Copper, Mercury, Nickel, Selenium, Silver	NJDEP/USGS Data
Raritan	10	Rocky Brook on Rte 130 in Hightstown	10-ROC-2	Arsenic, Cadmium, Copper, Mercury, Nickel, Selenium	NJDEP/USGS Metal Recon
Raritan	10	Rocky Brook on Rte 33 in Hightstown	10-ROC-1	Cadmium, Copper, Mercury, Nickel, Selenium, Zinc	NJDEP/USGS Metal Recon
Raritan	10	Rosedale Lake-10	Rosedale Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Raritan	10	Royce Brook at Rt 206 in Hillsborough Twp	AN0411	Aquatic Life	NJDEP AMNET
Raritan	10	Royce Brook Br at Rt 206 in Hillsborough Twp	AN0412	Aquatic Life	NJDEP AMNET
Raritan	10	Running Brook (Rocky Brook) at Baird Rd & Etra Perrineville Rd in Millstone	MB-RB	Aquatic Life	Monmouth Co HD
Raritan	10	Running Brook (Rocky Brook) at Baird Rd (guardrail) in Millstone	MB-RA	Aquatic Life	Monmouth Co HD
Raritan	10	Shallow Brook at N of Scotts Cor in Plainsboro Twp	AN0388	Aquatic Life	NJDEP AMNET
Raritan	10	Simonsen Brook at Canal Rd in Franklin Twp	AN0406	Aquatic Life	NJDEP AMNET
Raritan	10	Six Mile Run at Rt 27 in Franklin Twp	AN0408	Aquatic Life	NJDEP AMNET
Raritan	10	Stony Brook at Princeton	01401000, 10-STO-1, 10-STO-4	Cadmium, Mercury	NJDEP/USGS Data, Metal Recon
Raritan	10	Ten Mile Run at Canal Rd in Franklin Twp	AN0407	Aquatic Life	NJDEP AMNET
		Foulers Brook		Aquatic Life	NJDEP AMNET
		Foulertons Brook		Aquatic Life	NJDEP AMNET

Wtrshd Region	WMA	Station Name/Waterbody	Site ID	Parameters (Not Requiring TMDL)	Comments	Data Source
Atlantic Coast	16	Atlantic Ocean	Atlantic Ocean-6: New Jersey Atlantic Ocean	Shellfish	Delisting rationale 4. Other pollution control requirements are reasonably expected to result in the attainment of the water quality standard in the near future. Violations were due to a broken outfall pipe which has been fixed. Site expected to be in compliance next cycle.	NJDEP Shellfish Monitoring Program
Lower Delaware	18	Strawbridge Lake-18	Strawbridge Lake	Nutrients/Sedimentation (Eutrophic)	Delisting rationale 3. TMDL completed	NJDEP Clean Lakes Program
Lower Delaware	20	Lower Sylvan Lake-20	Lower Sylvan Lake	Nutrients/Sedimentation (Eutrophic)	Delisting rationale 3. TMDL completed	NJDEP Clean Lakes Program
Lower Delaware	20	Upper Sylvan Lake-20	Upper Sylvan Lake	Nutrients/Sedimentation (Eutrophic)	Delisting rationale 3. TMDL completed	NJDEP Clean Lakes Program
Northeast	03	Pequannock River Above Pacock	PQ01	Temperature	Delisting rationale 7. Natural causes - Waters that exceed standards but drain wilderness or similar areas and it can be documented that there are no contributing human contributions that could contribute to the standard exceedence. Violation due to beaver dam	Pequannock River Coalition
Northeast	05	Hackensack River - Tidal		Nickel	Nickel - Delisting rationale 3. TMDL completed	NJDEP/USGS Metal Recon
Northeast	05	Hackensack River at Rivervale	01377000	Nickel	Delisting rationale 3. TMDL completed	NJDEP/USGS Data, Metal Recon
Northeast	06	Whippany R at Morristown	01381500, 6-WHI-1	Phosphorus, Fecal Coliform	Fecal Coliform Delisting rationale 3. TMDL completed; Phosphorus - delisting rationale 1B B. New Information: More recent and/or more accurate data which meets the QA/QC requirements identified in Section 3.2 of this Methods Document demonstrates that a designated uses or SWQ criteria are being met for the waterbody	NJDEP/USGS Data, Metal Recon
Northeast	06	Whippany River near Pine Brook	01381800	Phosphorus, Fecal Coliform	Fecal Coliform Delisting rationale 3. TMDL completed; Phosphorus - delisting rationale 1B B. New Information: More recent and/or more accurate data which meets the QA/QC requirements identified in Section 3.2 of this Methods Document demonstrates that a designated uses or SWQ criteria are being met for the waterbody	NJDEP/USGS Data, Metal Recon
Lower Delaware	20	Delaware River Zone 3, 02040402-035		1,2-Dichloroethane, Tetrachloroethylene	Delisting rationale 3. TMDL completed	DRBC
Lower Delaware	18	Delaware River/Estuary (Trenton to head of Delaware Bay)		1,2-Dichloroethane, Tetrachloroethylene	Delisting rationale 3. TMDL completed	DRBC

Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Data Source
Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Phosphorus, Fecal Coliform	Monmouth Co HD
Atlantic Coast	12	Big Brook at Cross Rd in Colts Neck Twp	AN0470	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Big Brook at Laurelwood Dr in Colts Neck	57	Phosphorus, Fecal Coliform	Monmouth Co HD
Atlantic Coast	12	Big Brook at Maywood Drive in Marlboro	21	Phosphorus, Fecal Coliform	Monmouth Co HD
Atlantic Coast	12	Bordons Brook at Route 520 in Holmdel	54	Phosphorus, Fecal Coliform	Monmouth Co HD
Atlantic Coast	12	Branchport Creek at Berdan PI in Long Branch	45	Fecal Coliform	Monmouth Co HD
Atlantic Coast	12	Chingorora Creek at Broadway in Union Beach	36	Fecal Coliform	Monmouth Co HD
Atlantic Coast	12	Como Lake-12	Como Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Atlantic Coast	12	Deal Lake at Ocean Ave in Asbury	1	Fecal Coliform	Monmouth Co HD
Atlantic Coast	12	Deal Lake-12	Deal Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Atlantic Coast	12	Debois Creek at Strickland Rd in Freehold Twp	AN0487	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Flat Creek at Middle Rd in Hazlet Twp	AN0459	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Franklin Lake-12	Franklin Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Atlantic Coast	12	Gravelly Brook at Church St in Aberdeen Twp	AN0457	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Gravelly Brook at Lloyd Rd in Marlboro	20	Phosphorus	Monmouth Co HD
Atlantic Coast	12	Haystack Brook at Maxim-Southard Rd in Howell	18	Fecal Coliform	Monmouth Co HD
Atlantic Coast	12	Hockhockson Brook at Hockhockson Rd in Colts Neck Twp	AN0475	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Hollow Brook at Route 35 in Neptune Twnshp	10	Fecal Coliform	Monmouth Co HD
Atlantic Coast	12	Hooks Creek	Hooks Creek	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Atlantic Coast	12	Hooks Creek Lake-12	Cheesequake SP Left and Right	Fecal Coliform	Shore Region
Atlantic Coast	12	Hop Brook at Roberts Rd in Holmdel Twp	AN0465	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Hop Brook at Willow Brook Rd in Holmdel Twp	AN0466	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Husky Brook at South St in Eatontown	33	Fecal Coliform	Monmouth Co HD

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Atlantic Coast	12	Jumping Brook at Corlies Ave in Neptune Twp	AN0480	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Jumping Brook at Green Grove	01407720	pH	NJDEP/USGS Data
Atlantic Coast	12	Jumping Brook near Neptune	01407760	Fecal Coliform, pH	NJDEP/USGS Data
Atlantic Coast	12	Lafetras Brook at Hope Rd in Tinton Falls	32	Phosphorus, Fecal Coliform	Monmouth Co HD
Atlantic Coast	12	Lake Takanassee at Ocean Ave in Elberon	50	Fecal Coliform	Monmouth Co HD
Atlantic Coast	12	Lanes Creek at Edwards Ave in Long Branch	46	Fecal Coliform	Monmouth Co HD
Atlantic Coast	12	Lefferts Lake-12	Lefferts Lake	Aquatic Life	NJDEP Freshwater Fisheries
Atlantic Coast	12	Long Brook at Howell Rd in Howell	25	Phosphorus, Fecal Coliform	Monmouth Co HD
Atlantic Coast	12	Long Brook at Wyckoff Mills	01407868	Fecal Coliform, pH	NJDEP/USGS Data
Atlantic Coast	12	Lupattatong Creek at 1St St - Peterson's Marina in Keyport	51	Fecal Coliform	Monmouth Co HD
Atlantic Coast	12	Manasquan Reservoir-17	Manasquan Reservoir	Fish-Mercury	NJDEP Fish Tissue Monitoring
Atlantic Coast	12	Manasquan River at Rt 547 in Howell Twp	AN0493	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Manasquan River at Rt 9 in Howell Twp	AN0489	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Manasquan River at Squankum	014080000, 12-MA-1, 12-MA-2, 12-MA-3	Phosphorus, Fecal Coliform	NJDEP/USGS Data, Metal Recon
Atlantic Coast	12	Manasquan River at W Farms Rd in Howell Twp	AN0490	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Manasquan River Estuary	Manasquan River Estuary-3: Manasquan River	Dissolved Oxygen	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	12	Mannahasset Creek at Mannahasset Ave in Long Branch	48	Fecal Coliform	Monmouth Co HD
Atlantic Coast	12	Marsh Bog Brook at Preventorium Rd in Howell	24	Fecal Coliform	Monmouth Co HD
Atlantic Coast	12	Marsh Bog Brook at Squankum	01407997	Phosphorus, Fecal Coliform, pH	NJDEP/USGS Data
Atlantic Coast	12	Matawan Creek at Amboy Ave in Aberdeen	8	Fecal Coliform	Monmouth Co HD
Atlantic Coast	12	Mine Brook at Creamery Rd in Colts Neck Twp	AN0473	Aquatic Life	NJDEP AMNET

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Atlantic Coast	12	Mingamahone Brook at Rt 524 in Howell Twp	AN0495	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Mingamahone Brook near Earle	01408009	Fecal Coliform, pH	NJDEP/USGS Data
Atlantic Coast	12	Musquash Brook at Brighton Ave in Neptune Twnshp	11	Fecal Coliform	Monmouth Co HD
Atlantic Coast	12	Pine Brook at Hockhockson Rd in Tinton Falls	34	Fecal Coliform	Monmouth Co HD
Atlantic Coast	12	Pine Brook at Squankum Rd in Macedonia	AN0476A	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Pine Brook at Tinton Ave (Rt 537) in Tinton Falls	AN0476	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Poplar Brook at Deal	01407630, 59	Phosphorus, Fecal Coliform	NJDEP/USGS Data
Atlantic Coast	12	Ramanessin Brook at Willow Rd in Holmdel	53	Phosphorus, Fecal Coliform	Monmouth Co HD
Atlantic Coast	12	Shadow Lake-12	Shadow Lake	Fish-Mercury	NJDEP Fish Tissue Monitoring
Atlantic Coast	12	Shark River at Remsens Mills Rd in Neptune Twp	AN0482	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Shark River at Shark River Sta Rd in Wall Twp	AN0481	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Shark River Brook at Shark River Station Rd in Tinton Falls	30	Phosphorus	Monmouth Co HD
Atlantic Coast	12	Shark River Estuary	Shark River Estuary-1: Shark River	Dissolved Oxygen, Pathogens	Coastal Water Quality Monitoring-DEP-BMWM, NJDEP Shellfish Monitoring Program
Atlantic Coast	12	Shark River near Neptune	01407705	Phosphorus, Fecal Coliform	NJDEP/USGS Data
Atlantic Coast	12	Spring Lake-12	Spring Lake	Nutrients/Sedimentation (Eutrophic), Fish-Mercury	NJDEP Clean Lakes Program, NJDEP Fish Tissue Monitoring
Atlantic Coast	12	Squankum Brook at Easy St & Rt 547 in Howell	MB-16	Aquatic Life	Monmouth Co HD
Atlantic Coast	12	Squankum Brook at Easy St in Howell	16	Fecal Coliform	Monmouth Co HD
Atlantic Coast	12	Town Brook at Middletown	01407090	Fecal Coliform	NJDEP/USGS Data
Atlantic Coast	12	Trout Brook at Richdale Rd in Colts Neck	55	Fecal Coliform	Monmouth Co HD
Atlantic Coast	12	Troutmans Creek at Atlantic Ave in Long Branch	47	Fecal Coliform	Monmouth Co HD
Atlantic Coast	12	Troutmans Creek at Joline Ave in Long Branch	62	Fecal Coliform	Monmouth Co HD

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Data Source
Atlantic Coast	12	Turkey Swamp Brook below Turkey Swamp Lk in Freehold Twp	AN0489A	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Waackcaack Creek at Highland Ave in Keansburg	35	Fecal Coliform	Monmouth Co HD
Atlantic Coast	12	Whale Pond Brook at Larchwood Ave in Ocean Twp	AN0477	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Whale Pond Brook at Route 35 in Eatontown	31	Phosphorus, Fecal Coliform	Monmouth Co HD
Atlantic Coast	12	Willow Brook at Schank Rd in Holmdel Twp	AN0467	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Willow Brook at Willow Brook Rd in Colts Neck Twp	AN0468	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Willow Brook at Willow Brook Rd in Holmdel	52	Phosphorus, Fecal Coliform	Monmouth Co HD
Atlantic Coast	12	Willow Brook Trib at Igoe Rd in Marlboro	AN0468A	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Wreck Pond Brook at Allenwood Rd in Wall	14	Fecal Coliform	Monmouth Co HD
Atlantic Coast	12	Wreck Pond Brook at Old Mill Rd in Wall Twp	AN0483	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Wreck Pond-12	Wreck Pond	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Atlantic Coast	12	Yellow Brook at Creamery Rd in Colts Neck Twp	AN0472	Aquatic Life	NJDEP AMNET
Atlantic Coast	12	Yellow Brook near Malboro	01407360, 12-YEL-1	Fecal Coliform	NJDEP/USGS Data, Metal Recon
Atlantic Coast	13	Bamber Lake-13	Bamber Lake - East Lake and West Lake	Fecal Coliform	Ocean Co HD

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Data Source
			Barnegat Bay-1,5: Lower Metedeconk R, Barnegat Bay-2: Central Long Beach Island, Barnegat Bay-3,4,11,12,13,16,21: North Long Beach Island, Barnegat Bay-7: Kettle Creek, Barnegat Bay-8: North Barnegat Bay, Barnegat Bay-9: Lavalette, Barnegat Bay-10: Kettle Creek, Barnegat Bay-14,15: Silver Bay, Barnegat Bay-17: Applegate Cove, Barnegat Bay-18: Seaside Heights, Barnegat Bay-19: Shelter Cove, Barnegat Bay-20: Barnegat Bay - Toms River, Barnegat Bay-22: Double Creek, Barnegat Bay-23: North Barnegat Bay, Barnegat Bay-24,41: Barnegat Light, Barnegat Bay-25: East Of Clam Island, Barnegat Bay-26: Oyster Creek, Barnegat Bay-27: Oyster Creek Canal South, Barnegat Bay-28: Oyster Creek Canal North, Barnegat Bay-29: Barnegat Bay - Toms River, Barnegat Bay-30: Barnegat Bay - Seaside, Barnegat Bay-31: Forked River South Branch, Barnegat Bay-33: Sloop Creek, Barnegat Bay-34: West Barnegat Bay, Barnegat Bay-35: Barnegat Bay - Boat Ramp, Barnegat Bay-36: Clamming And Maple Creeks, Barnegat Bay-37: Sunrise Beach, Barnegat Bay-38: Cedar Creek, Barnegat Bay-39: Barnegat Bay		
Atlantic Coast	13	Barnegat Bay		Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	13	Beaverdam Creek Estuary	1401C, 1401D, 1600, 1600A, 1600B	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	13	Big Creek Estuary	1924A, 1924B	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	13	Carasaljo Lake-13	Lake Carasaljo North Beach and South Beach	Fecal Coliform	Ocean Co HD
Atlantic Coast	13	Cedar Bridge Br at Moore Rd in Brick Twp	AN0514	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Cedar Run at Rt 9 in Stafford Twp	AN0556	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Dinner Point Creek Estuary	1713, 1713A, 1713B	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	13	Double Creek Estuary	1672, 1672A, 1673, 1673A	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	13	Ground Hog Brook at Locust Ave in Howell	MB-139	Aquatic Life	Monmouth Co HD

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Data Source
Atlantic Coast	13	Haystack Brook at Maxim-Southard Rd (upstream) in Howell	MB-153	Aquatic Life	Monmouth Co HD
Atlantic Coast	13	Holiday Lake-13	Ocean Acres Beach	Fecal Coliform	Ocean Co HD
Atlantic Coast	13	Jesse Creek/Thompson Creek Estuary	1807D	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	13	Lake Barnegat-13	Lake Barnegat- Middle Beach	Fecal Coliform	Ocean Co HD
Atlantic Coast	13	Lake Carasaljo-13	Lake Carasaljo	Fish-Mercury	NJDEP Fish Tissue Monitoring
Atlantic Coast	13	Manahawkin Lake-13	A. Pauling Park Beach	Fecal Coliform	Ocean Co HD
Atlantic Coast	13	Metedeconk River Estuary	Medeteconk River Estuary-1: Upper Metedeconk R	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	13	Metedeconk River N Br at Aldrich Rd in Jackson Twp	AN0501	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Metedeconk River N Br at Jackson Mills Rd in Freehold	6	Phosphorus, Fecal Coliform	Monmouth Co HD
Atlantic Coast	13	Metedeconk River N Br at Jackson Mills Rd in Freehold Twp	AN0500	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Metedeconk River N Br at Lakewood	01408100	Fecal Coliform, pH, Temperature	NJDEP/USGS Data
Atlantic Coast	13	Metedeconk River N Br at Nomoco Rd in Freehold	MB-148	Aquatic Life	Monmouth Co HD
Atlantic Coast	13	Metedeconk River N Br at Rt 9 in Howell Twp	AN0502	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Metedeconk River S Br at Chambers Bridge Rd in Brick Twp	AN0512	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Metedeconk River S Br near Laurelton	01408152	Fecal Coliform	NJDEP/USGS Data
Atlantic Coast	13	Mill Creek at Rt 72 in Stafford Twp	AN0555	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Mystic	1925, 1926, 1926A	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	13	Ocean County Park Lake-13	Ocean County Park Beach	Fecal Coliform	Ocean Co HD
Atlantic Coast	13	Ocean Twp Bathing Beach-13	Ocean Twp Bathing Beach	Fecal Coliform	Ocean Co HD
Atlantic Coast	13	Parker Run-Estuary	1801, 1801A, 1801C, 1801D, 1801F	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	13	Pine Lake-13	Pine Lake Bathing Beach	Fecal Coliform	Ocean Co HD
Atlantic Coast	13	Pohatcong/Tuckerton Lake	Pohatcong Lake-13	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Atlantic Coast	13	Point Pleasant Canal	1308C	Pathogens	NJDEP Shellfish Monitoring Program

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Data Source
Atlantic Coast	13	Ridgeway Br at Rt 70 in Manchester Twp	AN0528	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Shannoc Brook Trib at Colliers Mills	01408480	pH	NJDEP/USGS Data
Atlantic Coast	13	Titmouse Creek at Friendship Rd in Howell	19	Fecal Coliform	Monmouth Co HD
Atlantic Coast	13	Toms River at Anderson Rd in Jackson Twp	AN0519A	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Toms River at Route 537 in Millstone	7	Phosphorus, Fecal Coliform	Monmouth Co HD
Atlantic Coast	13	Toms River Estuary	Toms River Estuary-1: Toms River, Toms River Estuary-2: Toms River/Barnegat Bay	Pathogens, Arsenic, Copper, Lead, Nickel, Zinc	NJDEP Shellfish Monitoring Program, 304(l)
Atlantic Coast	13	Toms River near Toms River	01408500, 13-TOM-1	Fecal Coliform, pH, Lead	NJDEP/USGS Data, Metal Recon
Atlantic Coast	13	Toms River Trib at Rt 37 in Dover Twp	AN0544	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Union Br at Colonial Dr in Manchester Twp	AN0533	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Westecunk Creek Estuary	1712, 1713C, 1714, 1714A	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	13	Willis Creek Estuary	1928, 1928B	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	13	Wrangel Brook at Mule Rd in Berkeley Twp	AN0537	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Absegami Lake-14	Absegami Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Atlantic Coast	14	Albertson Branch near Elm	0140940970	pH	USGS/Pinelands Data
Atlantic Coast	14	Ballanger Creek Estuary	2003D, 2003H	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	14	Bass River E Br near New Gretna	01410150, 14-EBR-1	Dissolved Solids, Copper, Lead, Zinc	NJDEP/USGS Data, Metal Recon
Atlantic Coast	14	Bass River Estuary	2007B, 2007C, 2007D, 2007E	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	14	Batsto Lake-14	Batsto Lake	Fish-Mercury	NJDEP Fish Tissue Monitoring
Atlantic Coast	14	Batsto River at Batsto	01409500, 14-BAT-1	pH, Copper	NJDEP/USGS Data, Metal Recon
Atlantic Coast	14	Batsto River at Hampton Furnace	01409432	pH	USGS/Pinelands Data
Atlantic Coast	14	Batsto River at Quaker Bridge	01409470	pH	USGS/Pinelands Data
Atlantic Coast	14	Blue Anchor Brook at Elm	0140940950 Page 7	pH	NJDEP/USGS Data

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Atlantic Coast	14	Clarks Mill Stream at Rt 575 in Port Republic	AN0613	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Great Bay	Great Bay-1,2,3: Great Bay	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	14	Great Swamp Br Below Rt 206 near Hammonton	0140941070	pH, Nitrate	NJDEP/USGS Data
Atlantic Coast	14	Gun Br at Rt 206 in Hammonton	AN0568G	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Hammonton Creek at Rt. 542 in Hammonton	AN0577A AN0577A	Aquatic Life	NJDEP AMNET
Atlantic Coast	14	Hammonton Creek at Westcoatville	01409416, 14-HAM-2	Phosphorus, Fecal Coliform, pH, Lead, Mercury	NJDEP/USGS Data, Metal Recon
Atlantic Coast	14	Hammonton Lake-14	Hammonton Lake, Hammonton Bathing Beach (Center), (Left), and (Right)	Nutrients/Sedimentation (Eutrophic), Fecal Coliform	NJDEP Clean Lakes Program, Atlantic Co HD
Atlantic Coast	14	Harrisville Lake-14	Harrisville Lake	Fish-Mercury	NJDEP Fish Tissue Monitoring
Atlantic Coast	14	Hays Mill Creek at Atco	01409401	pH	USGS/Pinelands Data
Atlantic Coast	14	Hays Mill Creek near Chesilhurst	01409402	pH	USGS/Pinelands Data
Atlantic Coast	14	Indian Mills Brook at Indian Mills	01409449	pH	NJDEP/USGS Data
Atlantic Coast	14	Lake Mo-Li-Th-Ma-14	Camp Haluwasa	Fecal Coliform	Camden Co HD
Atlantic Coast	14	Mullica River		Fish-Mercury	NJDEP Fish Tissue Monitoring
Atlantic Coast	14	Mullica River at Green Bank		Phosphorus, Fecal Coliform, pH, Temperature	NJDEP/USGS Data
Atlantic Coast	14	Mullica River at Indian Mills	01409383	Dissolved Oxygen	USGS/Pinelands Data
Atlantic Coast	14	Mullica River at Outlet of Atsion Lake	01409387, 14-MUL-2	Copper, Lead, Zinc	NJDEP/USGS Data, Metal Recon
Atlantic Coast	14	Mullica River Estuary	2005, 2002A	Dissolved Oxygen	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	14	Mullica River Middle Estuary	2004, 2004A, 2004B, 2005, 2005A, 2005B, 2005D, 2006, 2006A, 2006B	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	14	Mullica River near Atco	01409375	pH	USGS/Pinelands Data
Atlantic Coast	14	Mullica River near Batsto	0140940050	pH	USGS/Pinelands Data

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Atlantic Coast	14	Mullica River Upper Estuary	2007, 2007A, 2007B, 2007C, 2007D, 2007E, 2008, 2008A, 2008B, 2009, 2009A, 2009B, 2010, 2010A, 2010B, 2010C, 2011, 2011A, 2012, 2012A, 2012B, 2012C, 2013, 2013A, 2013B, 2014, 2015, 2015A, 2015B, 2015C, 2017, 2017A, 2018, 2018A, 2018B, 2018C, 2020, 2020A, 2020B, 2021A, 2021B, 2023A, 2025A, 2027A, 2029, 2029A, 2030, 2030A	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	14	Nacote & Mott Rivers Estuary	2005C, 2005E	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	14	Nescochague Creek at Pleasant Mills	01409411	pH	USGS/Pinelands Data
Atlantic Coast	14	Oswego River at Harrisville	01410000, 14-OSW-1	Copper, Zinc	NJDEP/USGS, Metal Recon
Atlantic Coast	14	Pump Branch near Waterford Works	01409408	pH	NJDEP/USGS Data
Atlantic Coast	14	Roundabout Creek Estuary	2001F	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	14	Sleeper Branch near Atsion	0140940370	pH	USGS/Pinelands Data
Atlantic Coast	14	Springers Brook near Hampton Furnace	01409455	pH	USGS/Pinelands Data
Atlantic Coast	14	Stafford Forge Lake-14	Stafford Forge Lake	Fish-Mercury	NJDEP Fish Tissue Monitoring
Atlantic Coast	14	Wading River		Fish-Mercury	NJDEP Fish Tissue Monitoring
Atlantic Coast	14	Wading River Estuary	2011B, 2011C	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	14	Winter Creek Estuary	2003I	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	15	Absecon Bay	Absecon Bay-1 thru 15	Dissolved Oxygen, Pathogens	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	15	Absecon Creek Estuary	2401	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	15	Atlantic City Reservoir-15	Atlantic City Reservoir	Fish-Mercury	NJDEP Fish Tissue Monitoring
Atlantic Coast	15	Babcock Creek near Mays Landing	01411196	pH	NJDEP/USGS Data
Atlantic Coast	15	Braddock Lake-15	Collings Lakes #1 (Braddock)	Fecal Coliform	Atlantic Co HD
Atlantic Coast	15	Cranes Lake-15	Hospitality Creek Campground	Fecal Coliform	Gloucester Co HD

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Data Source
Atlantic Coast	15	Cushman Lake-15	Collings Lakes #2 (Jays Lake North), Collings Lakes #3 (Jays Lake South)	Fecal Coliform	Atlantic Co HD
Atlantic Coast	15	Great Egg Harbor	Great Egg Harbor-1: Ship Channel, Great Egg Harbor-4: Peck Bay, Great Egg Harbor-5: Bass Harbor, Great Egg Harbor-6: Unnamed Trib, Great Egg Harbor-7: Beach Thorofare, Great Egg Harbor-8: Ship Channel South, Great Egg Harbor-9: Ship Channel, Great Egg Harbor-10: Ocean City Bay, Great Egg Harbor-11: Lower Great Egg Harbor, Great Egg Harbor-13: Patcong Creek	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	15	Great Egg Harbor River at Camden Co. Park in Berlin	AN0620A	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Great Egg Harbor River at Folsom	01411000, 15-GEH-2	pH, Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Zinc	NJDEP/USGS Data, Metal Recon
Atlantic Coast	15	Great Egg Harbor River at Weymouth	01411110, 15-GEH-3	Fecal Coliform, pH, Copper, Lead	NJDEP/USGS Data, Metal Recon
Atlantic Coast	15	Great Egg Harbor River Estuary		Arsenic, Cadmium, Chromium, Lead, Mercury, Nickel, Zinc	304(I)
Atlantic Coast	15	Great Egg Harbor River Middle Estuary	2807A, 2807B, 2810, 2810A, 2812, 2805, 2806, 2808, 2808A	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	15	Great Egg Harbor River near Sicklerville	01410784, 15-GEH-1	pH, Lead, Mercury	NJDEP/USGS Data, Metal Recon
Atlantic Coast	15	Great Egg Harbor River Trib at 2nd Ave in Hammonton	AN0635H	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Great Egg Harbor River Upper Estuary	2812B, 2814, 2814A, 2816, 2816A, 2816B, 2818, 2818A, 2819, 2821, 2821A, 2821B, 2821C, 2821D, 2822A, 2823A, 2824A, 2824B, 2825, 2826, 2826A, 2827, 2827A	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	15	Hospitality Branch at Blue Bell Road near Cecil	01411035	Fecal Coliform, pH	NJDEP/USGS Data
Atlantic Coast	15	Hospitality Branch near Cecil	01411050	pH	NJDEP/USGS Data
Atlantic Coast	15	Lake Lenape-15	Lake Lenape "The Cove", Lenape Park, Lake Lenape	Fecal Coliform, Fish-Mercury	Atlantic Co HD, NJDEP Fish Tissue Monitoring

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Data Source
Atlantic Coast	15	Lily Lake-15	Lily Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Atlantic Coast	15	Maple Run (Asbury Run) at Mill Rd in Egg Harbor Twp	AN0619	Aquatic Life	NJDEP AMNET
Atlantic Coast	15	Middle River Estuary	2900E, 2900	Dissolved Oxygen	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	15	Middle River Estuary	2900A, 2900B, 2900C, 2900D, 2900E	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	15	New Brooklyn Lake-15	New Brooklyn Lake	Nutrients/Sedimentation (Eutrophic), Fish-Mercury	NJDEP Clean Lakes Program, NJDEP Fish Tissue Monitoring
Atlantic Coast	15	Patcong River Estuary	2801A, 2862, 2863A, 2863B, 2863C, 2863D, 2863E, 2863G, 2863H, 2863L, 2863M	Dissolved Oxygen, Pathogens	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	15	South River near Belcoville	01411220	pH	NJDEP/USGS Data
Atlantic Coast	15	Tuckahoe River Estuary	2901A, 2901B, 2902, 2902A	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	16	Big Timber Lake-16	Big Timber Lake	Fecal Coliform	Cape May Co HD
Atlantic Coast	16	Cresse Creek Estuary	3413A, 3500B, 3500C	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	16	Dennis Creek Trib 2 at Dennisville	01411428	pH	NJDEP/USGS Data
Atlantic Coast	16	Dennisville Lake-16	Dennisville Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Atlantic Coast	16	East Creek Lake-16	East Creek Lake	Fish-Mercury	NJDEP Fish Tissue Monitoring
Atlantic Coast	16	East Creek Pond-16	East Creek Pond	Fish-Mercury	NJDEP Fish Tissue Monitoring
Atlantic Coast	16	Green Creek at Rt 47 in Middle Twp	AN0770	Aquatic Life	NJDEP AMNET
Atlantic Coast	16	Jones/Stites/Carino/Taylor Creek Estuary	3603B	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	16	Lake Laurie-16	Lake Laurie Campground	Fecal Coliform	Cape May Co HD
Atlantic Coast	16	Lake Nummy-16	Belleplain SF, Lake Nummy, Center, Left, and Right	Fecal Coliform, Fish-Mercury	Southern Region, NJDEP Fish Tissue Monitoring
Atlantic Coast	16	Ludlams Pond-16	Holly Lake Campground	Fecal Coliform	Cape May Co HD
Atlantic Coast	16	Old Robins Br at Beaver Causeway in Dennis Twp	AN0769	Aquatic Life	NJDEP AMNET
Atlantic Coast	16	Savages Run in Belleplain State Forest	01411441	Fecal Coliform	NJDEP/USGS Data
Atlantic Coast	12	Birch Swamp Brook Adjacent to Matawan Creek Reach 02030104-328-0.42		Arsenic, Lead, Copper, PCB	Remanded 303d List, (F.R. V.66, #195, 10/9/01)

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Data Source
Atlantic Coast	12	Manasquan River Estuary	Manasquan River Estuary-1 thru 3	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	12	Navesink River Estuary	Shrewsbury/Navesink Estuary-1 thru 3	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	12	Northern Coastal Waters - Raritan Bay to Barnegat Inlet		Fish-PCB	NJDEP Fish Tissue Monitoring
Atlantic Coast	12	Shrewsbury River Estuary	Shrewsbury/Navesink Estuary-4 thru 7	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	13	Kettle Creek at Moore Rd in Brick Twp	AN0516	Aquatic Life	NJDEP AMNET
Atlantic Coast	13	Little Egg Harbor	Little Egg Harbor-1 thru 4	Dissolved Oxygen	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	13	Little Egg Harbor	Little Egg Harbor-2: Tuckerton Creek, Little Egg Harbor-3: Tuckerton Cove, Little Egg Harbor-4: Central Long Beach Island	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	13	Manahawkin Bay	Manahawkin Bay-1 thru 10	Dissolved Oxygen	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	13	Manahawkin Bay	Manahawkin Bay-2: Central Long Beach Island, Manahawkin Bay-3: Off Beach Haven West, Manahawkin Bay-4: North Thorofare Island, Manahawkin Bay-5: Millcreek Thorofare, Manahawkin Bay-6: South Thorofare Island, Manahawkin Bay-7: Popular Point, Manahawkin Bay-8: Channel Cove, Manahawkin Bay-9: Mud Cove, Manahawkin Bay-10: Westecunk Creek	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	13	Muddy Ford Brook at Lakewood-Allenwood Rd in Howell	17	Fecal Coliform	Monmouth Co HD
Atlantic Coast	13	Toms River - Tidal		Arsenic, Copper, Lead, Nickel, Zinc	304(I)
Atlantic Coast	14	Great Bay	Great Bay-1 thru 6	Dissolved Oxygen	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	14	Little Bay	Little Bay-1: Reeds Bay/Little Bay, Little Bay-2: Reeds Bay/Little Bay	Dissolved Oxygen	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	14	Little Bay	Little Bay-2: Reeds Bay/Little Bay	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	15	Lakes Bay	Lakes Bay-1 thru 12	Dissolved Oxygen	Coastal Water Quality Monitoring-DEP-BMWM

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Data Source
Atlantic Coast	15	Lakes Bay	Lakes Bay-1,5: Beach Thorofare, Lakes Bay-2,3,7: Risley Channel, Lakes Bay-4: Jonathan Thorofare, Lakes Bay-6, 10: Lakes Bay, Lakes Bay-8: Inside Thorofare, Lakes Bay-9: Hospitality Creek, Lakes Bay-12: Bayshore Lagoon	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	15	Reeds Bay	Reeds Bay-1 thru 8	Dissolved Oxygen	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	15	Skulls Bay	Skulls Bay-1 thru 5	Dissolved Oxygen	Coastal Water Quality Monitoring-DEP-BMWM
Atlantic Coast	15	Skulls Bay	Skulls Bay-2,3: Skulls Bay	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	16	Corson Sound	Corson Sound-1,2: Crook Horn Creek, Corson Sound-5,6,9: Corsons Sound, Corson Sound-10,11: Whale Creek, Corson Sound-7: Ludlam Bay, Corson Sound-13: Unnamed Creek	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	16	Fishing Creek at Rt 47 in Middle Twp	AN0771	Aquatic Life	NJDEP AMNET
Atlantic Coast	16	Great Sound	Great Sound-1: Gravens Thorofare, Great Sound-5: Long Reach, Great Sound-6: Holmes Cove	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	16	James Sound	James Sound-1 thru 11	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	16	Jenkins Sound	Jenkins Sound-1 thru 10	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	16	Reeds Bay	Reeds Bay1: Unnamed Creek, Reeds Bay-2: Somers Cove, Reeds Bay-3: Somers Marsh, Reeds Bay-5: Reeds Bay, Reeds Bay-6,8: Reeds Bay/Little Bay	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Coast	16	Richardson Sound	Richardson Sound-1: Old Turtle Thorofare, Richardson Sound-2,7: Unnamed Creek, Richardson Sound-3: Old Turtle Thorofare, Richardson Sound-4: Taugh Creek, Richardson Sound-6: Slaughter Gut, Richardson Sound-8: Stingeree Creek, Richardson Sound-12: Grassy Sound, Richardson Sound-13: Grassy Sound Channel, Richardson Sound-14: Hoffman Canal, Richardson Sound-15: Wildwood Canal, Richardson Sound-16: Mud Creek	Pathogens	NJDEP Shellfish Monitoring Program

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Data Source
Atlantic Coast	16	Townsend Sound	Townsend Sound-1: Clam Thorofare, Townsend Sound-2: Lower Ludlam Thorofare, Townsend Sound-4,5: Townsend Channel	Pathogens	NJDEP Shellfish Monitoring Program
Atlantic Ocean	Atlantic Ocean	Atlantic Ocean	Atlantic Ocean- 1,5,12,13,17,21,22,23,26,38,39,40,42,43,4 4,45,47,48,51,67,69,70,71,74,78,79,80,81, 82,86,87,88,89,90,91,92,94,103,105,106,1 07,108,112,114,115,118: Atlantic Ocean, Atlantic Ocean-4: Cape May Beach, Atlantic Ocean-7: Cape May Channel, Atlantic Ocean-8: Wildwood Offshore, Atlantic Ocean-16: Atlantic Ocean Sea Isle, Atlantic Ocean-25,35,52,56,61,65: Atlantic City Offshore, Atlantic Ocean- 75,93,96,99,101,109,110,111,113,116,; Asbury Park Offshore, Atlantic Ocean-83: Mantoloking Offshore	Dissolved Oxygen	Bureau of Marine Water Monitoring
Atlantic Ocean	Atlantic Ocean	Atlantic Ocean	Atlantic Ocean- 75,93,95,96,97,98,102,104,109,100,116: Asbury Park Offshore, Atlantic Ocean-12: Atlantic Ocean, Atlantic Ocean-16: Atlantic Ocean Sea Isle, Atlantic Ocean-4: Cape May Beach, Atlantic Ocean-6, 53, 59: New Jersey Atlantic Ocean, Atlantic Ocean-7: Cape May Channel, Atlantic Ocean-8: Wildwood Offshore, Atlantic Ocean-83: Mantoloking Offshore,	Pathogens	NJDEP Shellfish Monitoring Program
Lower Delaware	17	4 Seasons Campground Pond-17	Four Seasons	Fecal Coliform	Salem Co HD
Lower Delaware	17	Alloway Creek at Yorktown - Friesburg Rd in Alloway Twp	AN0699	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Alloway Creek Estuary		Pathogens	NJDEP Shellfish Monitoring Program
Lower Delaware	17	Barrett Run at W Ave in Bridgeton	AN0714	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Blackwater Br at Main Rd in Franklin Twp	AN0738	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Blackwater Br at Maurice River Pkwy in Vineland	AN0739	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Buckshutem Creek near Laurel Lake	01411950	Fecal Coliform	NJDEP/USGS Data
Lower Delaware	17	Burnt Mill Br at Forest Grove Rd in Newfield	AN0734A	Aquatic Life	NJDEP AMNET

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Data Source
Lower Delaware	17	Burnt Mill Lake-17	Burnt Mill Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	17	Canton Drain at Maskell Mill	01413065	pH	NJDEP/USGS Data
Lower Delaware	17	Cedar Br at Italia Ave in Vineland	AN0757	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Cedar Creek Estuary	3805C, 3805J, 3805L, 3805M	Pathogens	NJDEP Shellfish Monitoring Program
Lower Delaware	17	Cedar Lake-17	Cedar Lake	Fecal Coliform	Cumberland Co HD
Lower Delaware	17	Cohansey River at Rt 540 in Upper Deerfield Twp	AN0710	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Cohansey River at Seeley	01412800, 17-COH-1	Fecal Coliform, Lead	NJDEP/USGS Data, Metal Recon
Lower Delaware	17	Cohansey River at Silver Lk Rd in Upper Deerfield Twp	AN0712	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Cohansey River Estuary		Pathogens	NJDEP Shellfish Monitoring Program
Lower Delaware	17	Delaware Bay	Delaware Bay-2,3,4: Cherry Tree Creek To Artificial Island, Delaware Bay-6: Cohansey Cove, Delaware Bay-7: Back Creek, Delaware Bay-8: Dyer Cove, Delaware Bay-10: Delaware Bay Inshore, Delaware Bay-11: Lower Maurice River, Delaware Bay-12: Dennis Creek, Delaware Bay-14,15: Delaware Bay East	Pathogens	NJDEP Shellfish Monitoring Program
Lower Delaware	17	Delaware Bay	Delaware Bay-1 thru 16	Fish-PCB	NJDEP Fish Tissue Monitoring
Lower Delaware	17	Dividing Creek Estuary	3840B, 3840C, 3840D, 3840E, 3840F	Pathogens	NJDEP Shellfish Monitoring Program
Lower Delaware	17	Eastern Gate Lake-17	Eastern Gate Lake	Fecal Coliform	Gloucester Co HD
Lower Delaware	17	Fortescue Creek Estuary	3840L, 3862E, 3862G, 3862H, 3841K, 3841L, 3841M	Pathogens	NJDEP Shellfish Monitoring Program
Lower Delaware	17	Franklinville Lake-17	Franklinville Lake	Fecal Coliform	Gloucester Co HD
Lower Delaware	17	Garrison Lake-17	Lake Garrison North and South	Fecal Coliform	Gloucester Co HD
Lower Delaware	17	Giampietro Lake-17	Giampietro Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	17	Holly Green Campground Pond-17	Holly Green Campground	Fecal Coliform	Gloucester Co HD
Lower Delaware	17	Hudson Branch at Vineland	17-HUD-1	Arsenic, Chromium	NJDEP/USGS Metal Recon

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Data Source
Lower Delaware	17	Indian Br at Rt 47 in Franklin Twp	AN0724	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Indian Br at Sta Rd. in Janvier (Franklin Twp.)	AN0724A	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Indian Branch near Malaga	01411466	Fecal Coliform	NJDEP/USGS Data
Lower Delaware	17	Indian Run at Husted Sta Rd in Pittsgrove Twp	AN0747	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Iona Lake-17	Iona Lake	Fecal Coliform	Gloucester Co HD
Lower Delaware	17	Little Ease Run at Grant Ave in Franklin Twp	AN0727	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Little Ease Run at Leonard Cake Rd in Franklin Twp	AN0728	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Little Ease Run at Porchtown	01411458	Fecal Coliform, pH	NJDEP/USGS Data
Lower Delaware	17	Major Run at Pointers - Sharptown Rd in Pilesgrove Twp	AN0694	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Malaga Lake-17	Malaga Lake	Fecal Coliform	Gloucester Co HD
Lower Delaware	17	Manantico Creek at Hance Bridge Rd in Vineland	AN0759	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Manumuskin River at Main Ave in Milmay	AN0762A	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Mary Elmer Lake-17	Mary Elmer Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	17	Maskells Mill Pond-17	Maskells Mill Pond	Fish-Mercury	NJDEP Fish Tissue Monitoring
Lower Delaware	17	Maurice River (Scotland Run) at Willow Grove Rd in Vineland	AN0733	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Maurice River and Cove	3847,3847A,3847B,3847C,3847D,3848,3848A,3848B,3848C,3900A,3900D,3900G,3900H,3900J,3900L,3900M	Fecal Coliform	Coastal Water Quality Monitoring, Coop Coastal Monitoring
Lower Delaware	17	Maurice River at Norma	01411500	Fecal Coliform, pH	NJDEP/USGS Data
Lower Delaware	17	Maurice River at Sherman Ave in Vineland	AN0751	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Maurice River near Millville	01411800, 17-MAU-1	Fecal Coliform, Arsenic, Lead, Mercury	NJDEP/USGS Metal Recon
Lower Delaware	17	Memorial Lake-17	Memorial Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	17	Mill Creek at Rt 650 in Greenwich Twp	AN0716B	Aquatic Life	NJDEP AMNET

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Data Source
Lower Delaware	17	Nantuxent Creek Estuary	3804L, 3408P	Pathogens	NJDEP Shellfish Monitoring Program
Lower Delaware	17	Old Cedar Lake-17	Old Cedar Lake	Fecal Coliform	Gloucester Co HD
Lower Delaware	17	Oranoaken Creek Estuary	3867F, 3867J	Pathogens	NJDEP Shellfish Monitoring Program
Lower Delaware	17	Pages Run at Newport	01412200	pH	NJDEP/USGS Data
Lower Delaware	17	Parsonage Run at Finley Rd in Upper Deerfield Twp	AN0711	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Parvin Br at Rt 55 in Vineland	AN0750	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Parvin Lake-17	Parvin SP, Parvin Lake, Center, Left, and Right	Fecal Coliform	Southern Region
Lower Delaware	17	Salem River at Commissioners Rd (Rt 581) in Upper Pittsgrove Twp	AN0690	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Salem River at Courses Landing		Phosphorus, Fecal Coliform, Temperature, Dissolved Oxygen	NJDEP/USGS Data
Lower Delaware	17	Salem River at Kings Hwy in Piles Grove Twp	AN0693	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Salem River at Newkirk Sta Rd in U Pittsgrove Twp	AN0690A	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Salem River at Woodstown	01482500	Phosphorus, Fecal Coliform	NJDEP/USGS Data
Lower Delaware	17	Still Run at Ltl Mill Rd in Franklin Twp	AN0730	Aquatic Life	NJDEP AMNET

Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Data Source
Lower Delaware	17	Still Run near Malaga	01411453	pH	NJDEP/USGS Data
Lower Delaware	17	Straight Creek Estuary	3869A	Pathogens	NJDEP Shellfish Monitoring Program
Lower Delaware	17	Sunset Lake-17	Sunset Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	17	The Glades	3840K	Pathogens	NJDEP Shellfish Monitoring Program
Lower Delaware	17	Town Swamp Brook at Buckshutem Rd in Fairfield Twp	AN0716A	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Two Penny Run near Danceys Corner	01482560	Phosphorus, Fecal Coliform	NJDEP/USGS Data
Lower Delaware	17	Union Lake-17	Union Lake	Fish-Mercury	NJDEP Fish Tissue Monitoring
Lower Delaware	17	Upper Maurice River Estuary	3900J, 3900I, 3900M	Pathogens	NJDEP Shellfish Monitoring Program
Lower Delaware	17	White Marsh Run at Rt 555 in Millville	AN0755	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Wilson Lake-17	Wilson Lake	Fecal Coliform, Fish-Mercury	NJDEP Fish Tissue Monitoring
Lower Delaware	18	Alcyon Lake-18	Alcyon Lake	Nutrients/Sedimentation (Eutrophic), Fish-Mercury	NJDEP Clean Lakes Program, NJDEP Fish Tissue Monitoring
Lower Delaware	18	Bell Lake-18	Bell Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	18	Bells Lake-18	Greenwood Park Bells Lake	Fecal Coliform	Gloucester Co HD
Lower Delaware	18	Bethel Lake-18	Bethel Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	18	Big Timber Creek		Fish-Mercury	NJDEP Fish Tissue Monitoring
Lower Delaware	18	Big Timber Creek N Br at Glendora	01467359	Phosphorus, Fecal Coliform	NJDEP/USGS Data
Lower Delaware	18	Big Timber Creek N Br at Park Ave in Lindenwold	AN0661	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Big Timber Creek S Br at Blackwood Terrace	01467329, 18-BIG-1	Phosphorus, Fecal Coliform, Arsenic, Lead	NJDEP/USGS Data, Metal Recon
Lower Delaware	18	Big Timber Creek S Br at Glenloch	01467327	Fecal Coliform	NJDEP/USGS Data
Lower Delaware	18	Big Timber Creek S Br at Turnersville - Sicklerville Rd in Washington Twp	AN0658	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Blackwood Lake-18	Blackwood Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	18	Chestnut Br at Mantua Blvd in Mantua Twp	AN0671	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Cooper River		Fish-PCB, Fish-Chlordane	NJDEP Fish Tissue Monitoring

Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Data Source
Lower Delaware	18	Cooper River at Haddonfield	01467150, 18-CO-4	Phosphorus, Fecal Coliform, Arsenic, Lead, Tetrachloroethylene	NJDEP/USGS Data, Metal Recon
Lower Delaware	18	Cooper River at Lawnside	01467140	Phosphorus, Fecal Coliform, Dissolved Oxygen	NJDEP/USGS Data
Lower Delaware	18	Cooper River at Lindenwold	01467120	Phosphorus, Fecal Coliform	NJDEP/USGS Data
Lower Delaware	18	Cooper River at Rt 130 at Camden	18-CO-1	Arsenic, Lead, Tetrachloroethylene	NJDEP/USGS Metal Recon
Lower Delaware	18	Cooper River Lake-18	Cooper River Lake	Fish-Chlordane	NJDEP Fish Tissue Monitoring
Lower Delaware	18	Cooper River N Br at Kresson	01467155, 18-CO-2	Fecal Coliform	NJDEP/USGS Data, Metal Recon
Lower Delaware	18	Cooper River N Br at River Dr in Cherry Hill Twp	AN0188	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Cooper River N Br at Springdale Rd in Cherry Hill Twp	AN0187	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Cooper River Park-18	Cooper River Park	Fish-Mercury	NJDEP Fish Tissue Monitoring
Lower Delaware	18	Cooper River S Br at Evesham Rd in Cherry Hill Twp	AN0190	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Cooper River S Br at Gibbsboro Rd in Gibbsboro	AN0189	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Delaware River Zone 3 Reach 02040202-030		Cadmium	DRBC
Lower Delaware	18	Edwards Run at Jessups Mill Rd in Mantua Twp	AN0674	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Grenloch Lake-18	Grenloch Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	18	Harrisonville Lake-18	Harrisonville Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	18	Kirkwood Lake-18	Kirkwood Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	18	Mantua Creek at Mantua Ave in Wenonah	AN0672	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Newton Creek		Copper, Zinc	304(l)
Lower Delaware	18	Newton Lake-18	Newton Lake	Fish-Chlordane	NJDEP Fish Tissue Monitoring
Lower Delaware	18	Oldmans Creek at Jessups Mill	01477440	Fecal Coliform	NJDEP/USGS Data
Lower Delaware	18	Oldmans Creek at Porches Mill	01477510	Phosphorus, Fecal Coliform	NJDEP/USGS Data

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Lower Delaware	18	Pennsauken Creek		Fish-PCB, Fish-Chlordane	NJDEP Fish Tissue Monitoring
Lower Delaware	18	Pennsauken Creek N Br		Fish-PCB, Fish-Chlordane	NJDEP Fish Tissue Monitoring
Lower Delaware	18	Pennsauken Creek N Br at Fellowship Rd in Mount Laurel Twp	AN0179	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Pennsauken Creek N Br near Morrestown	01467069, 18-PE-1, 18-PE-2	Phosphorus, Fecal Coliform, Arsenic, Lead	NJDEP/USGS Data, Metal Recon
Lower Delaware	18	Pennsauken Creek S Br		Fish-PCB, Fish-Chlordane	NJDEP Fish Tissue Monitoring
Lower Delaware	18	Pennsauken Creek S Br at Cherry Hill	01467081, 18-PE-3	Phosphorus, Fecal Coliform, Total Suspended Solids, Arsenic	NJDEP/USGS, Metal Recon
Lower Delaware	18	Pennsauken Creek S Br at Greentree Rd in Evesham Twp	AN0182	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Pennsauken Creek S Br at Rt 41 in Cherry Hill Twp	AN0183	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Plank Run at Rt 322 in Harrison Twp	AN0670A	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Pompeston Creek at Rt 130 in Cinnaminson Twp	AN0177	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Raccoon Creek at Ellis Mill Rd in Elk Twp	AN0679	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Raccoon Creek at Tomlin Sta Rd in Harrison Twp	AN0683	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Raccoon Creek near Swedesboro	01477120, 18-RAC-1	Phosphorus, Fecal Coliform, Silver	NJDEP/USGS Data, Metal Recon
Lower Delaware	18	Raccoon Creek S Br at High St in Harrison Twp	AN0682	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Stewart Lake-18	Stewart Lake	Fish-Clordane	NJDEP Fish Tissue Monitoring
Lower Delaware	18	Still Run at Union Rd in E Greenwich Twp	AN0675A	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Still Run near Mickelton	01476600	Fecal Coliform	NJDEP/USGS Data
Lower Delaware	18	Stone Bridge Br above Waddell's Bridge in Gloucester Twp	AN0655A	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Stone Bridge Br below Waddell's Bridge in Gloucester Twp	AN0655B	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Stone Bridge Br trib at Waddell Farm in Gloucester Twp	AN0655	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Strawbridge Lake-18	Strawbridge Lake	Fish-Chlordane	NJDEP Fish Tissue Monitoring
Lower Delaware	18	Swedes Run at Rt 130 in Delran Twp	AN0176	Aquatic Life	NJDEP AMNET

Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Data Source
Lower Delaware	18	Toms Dam Br at Peter Cheeseman Rd in Gloucester Twp	AN0658A	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Woodbury Lake-18	Woodbury Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	18	Woodstown Mem Lake-18	Woodstown Mem Lake	Fish-Mercury	NJDEP Fish Tissue Monitoring
Lower Delaware	18		Lake Silvestro	Fecal Coliform	Gloucester Co HD
Lower Delaware	19	Indian Run at Birmingham Rd in Pemberton Twp	AN0151A	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Lake James-19	Kings Grant	Fecal Coliform	Burlington Co HD
Lower Delaware	19	Little Creek at Chairville	01465893	pH	NJDEP/USGS Data
Lower Delaware	19	Little Creek at Eayrestown Rd in Lumberton Twp	AN0160	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Masons Creek at Rt 38 in Hainesport Twp	AN0173	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Mill Creek at Levitt Pkwy in Willingboro Twp	AN0175	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Mirror Lake-19	Mirror Lake	Fecal Coliform, Fish-Mercury	NJDEP Fish Tissue Monitoring
Lower Delaware	19	Parkers Creek at Rt 603 in Mt Laurel	AN0174A	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Pine Lake-19	Main Lake Pine Colony Club	Fecal Coliform	Burlington Co HD
Lower Delaware	19	Pompeston Creek at New Albany Rd in Moorestown	AN0177A	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Presidential Lakes-19	Presidential Lakes	Fecal Coliform	Burlington Co HD
Lower Delaware	19	Rancocas Creek N Br at Browns Mills	01465970	Phosphorus, Fecal Coliform, pH, Mercury	NJDEP/USGS Data, 304(l)
Lower Delaware	19	Rancocas Creek N Br at Hanover Furnace	01465950, 19-RA-1N	Copper, Mercury, Lead	NJDEP/USGS Metal Recon
Lower Delaware	19	Rancocas Creek N Br at Iron Works Park at Mt Holly	01467005	Phosphorus, pH	NJDEP/USGS Data
Lower Delaware	19	Rancocas Creek N Br at Pemberton	01467000, 19-RA-3N	Copper, Lead	NJDEP/USGS Data, Metal Recon
Lower Delaware	19	Rancocas Creek N Br at Pine St at Mt Holly	01467006, 19-RA-4N	Phosphorus, Fecal Coliform, pH, Copper, Lead	NJDEP/USGS Data, Metal Recon
Lower Delaware	19	Rancocas Creek N Br at Pine St Pk in Mount Holly Twp	AN0151	Aquatic Life	NJDEP AMNET

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Lower Delaware	19	Rancocas Creek S Br at Hainesport	19-RA-1S	Phosphorus, Fecal Coliform, Lead	NJDEP/USGS Data, Metal Recon
Lower Delaware	19	Rancocas Creek S Br at Mt Holly - Eayrestown Rd in Lumberton Twp	AN0161	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Rancocas Creek S Br at Vincentown	01465850, 19-RA-3S	Phosphorus, pH, Lead	NJDEP/USGS Data, Metal Recon
Lower Delaware	19	Sharps Run at Rt 541 at Medford	01465884	Phosphorus, Fecal Coliform	NJDEP/USGS Data
Lower Delaware	19	Sturbridge Lake-19	Chatham Lake	Fecal Coliform	Camden Co HD
Lower Delaware	19	Swedes Run at Garwood Rd in Moorestown	AN0176A	Aquatic Life	NJDEP AMNET
Lower Delaware	19	Timber Lake-19	Timber Lake	Fecal Coliform	Gloucester Co HD
Lower Delaware	19		Camp Darkwaters	Fecal Coliform	Burlington Co HD
Lower Delaware	19		Lakeside	Fecal Coliform	Burlington Co HD
Lower Delaware	20	Allentown Lake-20	Allentown Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	20	Annaricken Brook near Jobstown	01464578	Phosphorus, Fecal Coliform	NJDEP/USGS Data
Lower Delaware	20	Assiscunk Creek at Cedar Lane at Springfield	20-AS-1	Arsenic, Cadmium, Chromium, Lead, Mercury	NJDEP/USGS Metal Recon
Lower Delaware	20	Assiscunk Creek at Hedding Rd (near Jacksonville) in Mansfield Twp	AN0141	Aquatic Life	NJDEP AMNET
Lower Delaware	20	Back Creek at Yardville-Hamilton Sq Rd in Hamilton Twp	AN0131A	Aquatic Life	NJDEP AMNET
Lower Delaware	20	Bacons Creek near Mansfield Square	01464529	Fecal Coliform, pH	NJDEP/USGS Data
Lower Delaware	20	Barkers Brook at Jacksonville-Smithville Rd in Springfield Twp	AN0141O	Aquatic Life	NJDEP AMNET
Lower Delaware	20	Barkers Brook N Br near Jobstown	01464583	Phosphorus, Fecal Coliform, pH	NJDEP/USGS Data
Lower Delaware	20	Blacks Creek at Chesterfield - Georgetown Rd in Chesterfield Twp	AN0132	Aquatic Life	NJDEP AMNET
Lower Delaware	20	Crafts Creek at Island Rd in Mansfield Twp	AN0136	Aquatic Life	NJDEP AMNET
Lower Delaware	20	Crosswicks Creek		Fish-Mercury	NJDEP Fish Tissue Monitoring
Lower Delaware	20	Crosswicks Creek at Extonville	01464500, 20-CRO-1	Phosphorus, Fecal Coliform	NJDEP/USGS Data, Metal Recon

Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Data Source
Lower Delaware	20	Crosswicks Creek at Groveville Rd. at Groveville	01464504, 20-CRO-2	Phosphorus, Fecal Coliform	NJDEP/USGS Data, Metal Recon
Lower Delaware	20	Crosswicks Creek at Main St in Hamilton Twp	AN0126	Aquatic Life	NJDEP AMNET
Lower Delaware	20	Crosswicks Creek at Rt 537 in Plumsted Twp	AN0121	Aquatic Life	NJDEP AMNET
Lower Delaware	20	Crosswicks Creek at Walnford Rd in Upper Freehold	2	Phosphorus, Fecal Coliform	Monmouth Co HD
Lower Delaware	20	Crosswicks Creek near New Egypt	01464420	Phosphorus	NJDEP/USGS Data
Lower Delaware	20	Crosswicks Creek UNK Trib at Iron Bridge Rd in Chesterfield Twp	AN0126A	Aquatic Life	NJDEP AMNET
Lower Delaware	20	Crystal Lake-20	Crystal Lake	Fish-Mercury	NJDEP Fish Tissue Monitoring
Lower Delaware	20	Doctors Creek at Allentown	01464515	Phosphorus, Fecal Coliform	NJDEP/USGS Data
Lower Delaware	20	Doctors Creek at Breza Rd in Upper Freehold Twp	AN0129, MB-123	Aquatic Life	NJDEP AMNET, Monmouth Co HD
Lower Delaware	20	Doctors Creek at Route 539 in Upper Freehold	3	Phosphorus	Monmouth Co HD
Lower Delaware	20	Doctors Creek at Rt 130 in Hamilton Twp	AN0130	Aquatic Life	NJDEP AMNET
Lower Delaware	20	Doctors Creek at Sharon Station Rd in Upper Freehold	MB-PARK1	Aquatic Life	Monmouth Co HD
Lower Delaware	20	Imlaystown Lake-20	Imlaystown Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	20	Jumping Brook at Bunting Bridge Rd in New Hanover Twp	AN0119	Aquatic Life	NJDEP AMNET
Lower Delaware	20	Lahaway Creek at Holmes Mill Rd in Upper Freehold	MB-117	Aquatic Life	Monmouth Co HD
Lower Delaware	20	Lahaway Creek at New Egypt - Allentown Rd in Upper Freehold Twp	AN0124	Aquatic Life	NJDEP AMNET
Lower Delaware	20	North Run at Main St in North Hanover Twp	AN0120	Aquatic Life	NJDEP AMNET
Lower Delaware	17	Raccoon Ditch at Davis Mill Rd in Greenwich Twp	AN0708	Aquatic Life	NJDEP AMNET
Lower Delaware	17		Gandy's Beach	Fecal Coliform	Cumberland Co HD
Lower Delaware	18	Big Timber Ck N Br at Rt 168 in Gloucester Twp	AN0663	Aquatic Life	NJDEP AMNET
Lower Delaware	18	Pennsauken Creek, Mainstem		Arsenic, Cadmium, Chromium, Copper, Lead, Mercury	304(l)
Lower Delaware	20	Bacon Run at Georgetown - Bordentown Rd in Georgetown	AN0133A	Aquatic Life	NJDEP AMNET
Lower Delaware	20	Crosswicks Creek at Rt 528 (blw Oakford Lk) in New Egypt	AN0121D	Aquatic Life	NJDEP AMNET

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Lower Delaware	20	Crosswicks Creek Trib S at Cookstown - New Egypt Rd in Cookstown	AN0121B	Aquatic Life	NJDEP AMNET
Lower Delaware	20	Delaware River Zone 1-5 (Yardley, PA - Delaware Bay)		Fish-PCB, Fish-Chlordane	NJDEP Fish Tissue Monitoring
Lower Delaware	20	Delaware River Zone 2, 02040201-004		Cadmium, Mercury	DRBC
Lower Delaware	20	Delaware River Zone 3, 02040202-035		Arsenic, Cadmium, Mercury	DRBC
Lower Delaware	20	Delaware River/Estuary (Trenton to head of Delaware Bay)		PCB, DDT, DDE, DDD, Dieldrin; Fish-Mercury, Fish-DDT, Fish-DDE, Fish-DDD, Shellfish-Zinc	DRBC, NJDEP Fish Tissue Monitoring
Lower Delaware	20	Doctors Creek at Spring Rd in Millstone Twp	AN0127A	Aquatic Life	NJDEP AMNET
Lower Delaware	20	Lahaway Creek at Rt 537 in Upper Freehold Twp	AN0122	Aquatic Life	NJDEP AMNET
Lower Delaware	20	Miry Run at Meirs Rd in Cream Ridge	AN0125A	Aquatic Life	NJDEP AMNET
Lower Delaware	20	Moorhouse Brook Trib S at Moorhouse Rd in New Egypt	AN0121A	Aquatic Life	NJDEP AMNET
Lower Delaware	20	North Community Lake	North Community Lake	Aquatic Life	NJDEP Freshwater Fisheries
Lower Delaware	20	North Run Trib at Highland Ave in Wrightstown	AN0120A	Aquatic Life	NJDEP AMNET
Lower Delaware	20	Pleasant Run at Extonville Rd in Hamilton Twp	AN0126B	Aquatic Life	NJDEP AMNET
Lower Delaware	20	Spring Lake-20	Spring Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Lower Delaware	20	Upper Sylvan Lake-20	Sylvan Lake	Fecal Coliform	Burlington Co HD
Northeast	03	Belchers Brook at Union Valley Rd in West Milford Twp	AN0255C	Aquatic Life	NJDEP AMNET
Northeast	03	Bubbling Springs-03	Bubbling Springs	Fecal Coliform	Passaic Co HD
Northeast	03	Cannistear Reservoir-03	Cannistear Reservoir	Fish-Mercury	NJDEP Fish Tissue Monitoring
Northeast	03	Dam Brook Trib to Pompton River at Ryerson Rd in Lincoln Park	AN0269	Aquatic Life	NJDEP AMNET
Northeast	03	Erskine Lake-03	Erskine Little Beach, Main Beach, and Upper Beach	Fecal Coliform	Passaic Co HD
Northeast	03	Forest Hill Lake-03	Forest Hill Park Beach, Forest Hill Park Inlet	Fecal Coliform	Passaic Co HD
Northeast	03	Greenwood Lake-03	Greenwood Lake	Nutrients/Sedimentation (Eutrophic), Dissolved Oxygen, Phosphorus	NJDEP Clean Lakes Program
Northeast	03	Kitchell Lake-03	Kitchell Lake Assoc.	Fecal Coliform	Passaic Co HD
Northeast	03	Lake loscoe-03	Lake losco	Fecal Coliform	Passaic Co HD

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Northeast	03	Lindy Lake-03	Lindy Lake Association	Fecal Coliform	Passaic Co HD
Northeast	03	Lionhead Lake-03	Lions Head Lake	Fecal Coliform	Passaic Co HD
Northeast	03	Macopin River	PQ6	Temperature	Pequannock River Coalition
Northeast	03	Macopin River at Macopin Reservoir	01382450	Fecal Coliform	NJDEP/USGS Data
Northeast	03	Meadow Brook at Highland Ave in Wanaque	AN0256A	Aquatic Life	NJDEP AMNET
Northeast	03	Monksville Reservoir-03	Monksville Reservoir	Fish-Mercury	NJDEP Fish Tissue Monitoring
Northeast	03	Morse Lake-03	Morse Lake POA, Morse Lake	Fecal Coliform	Twp of Pequannock
Northeast	03	Packanack Lake-03	Packanack Lake East and West	Fecal Coliform	Passaic Co HD
Northeast	03	Pequannock River - Butler	PQ10	Temperature	Pequannock River Coalition
Northeast	03	Pequannock River above Clinton	PQ4	Temperature	Pequannock River Coalition
Northeast	03	Pequannock River above Macopin	PQ7	Temperature	Pequannock River Coalition
Northeast	03	Pequannock River at Macopin Intake Dam	01382500, 3-SITE-8, 3-PEQ-1, PQ8	Temperature, Lead	NJDEP/USGS Data, Metal Recon
Northeast	03	Pequannock River at Rt 23 (abv res) in West Milford Twp	AN0259	Aquatic Life	NJDEP AMNET
Northeast	03	Pequannock River at Rt 515 in Hardyston Twp	AN0258	Aquatic Life	NJDEP AMNET
Northeast	03	Pequannock River below Clinton	PQ5	Temperature	Pequannock River Coalition
Northeast	03	Pequannock River below Pacock	PQ3	Temperature	Pequannock River Coalition
Northeast	03	Pequannock River Upper		Fish-Mercury	NJDEP Fish Tissue Monitoring
Northeast	03	Pines Lake-03	Pines Lake South and West	Fecal Coliform	Passaic Co HD
Northeast	03	Pompton Lake-03	Pompton Lake	Fish-Mercury	NJDEP Fish Tissue Monitoring
Northeast	03	Pompton R at Newark Pompton Tnpk in Pequannock Twp	AN0268	Aquatic Life, Unknown Toxicity	NJDEP AMNET
Northeast	03	Pompton River at Pompton Plains	01388500, 3-SITE-7	Lead	NJDEP/USGS Data, Metal Recon
Northeast	03	Pompton River at Pompton Plains Cross Rd in Pequannock Twp	AN0268A	Aquatic Life, Unknown Toxicity	NJDEP AMNET
Northeast	03	Ramapo River near Mahwah	01387500, 3-SITE-9, 3-RAM-1	Phosphorus, Fecal Coliform	NJDEP/USGS Data, Metal Recon
Northeast	03	Skyline Lakes-03	Skyline Lake Main/Lower Beach and Upper Beach	Fecal Coliform	Passaic Co HD
Northeast	03	Wanaque Reservoir-03	Wanaque Reservoir	Fish-Mercury	NJDEP Fish Tissue Monitoring
Northeast	03	Wanaque River at E Shore Dr in West Milford Twp	AN0255	Unknown Toxicity	NJDEP AMNET
Northeast	03	Wanaque River at Highland Ave (blw STP) in Wanaque	AN0256	Aquatic Life, Unknown Toxicity	NJDEP AMNET
Northeast	03	Wanaque River at Pompton Lakes	01387041	Fecal Coliform	NJDEP/USGS Data

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Data Source
Northeast	03	Wanaque River at Wanaque	01387000	Phosphorus, Fecal Coliform, Dissolved Oxygen	NJDEP/USGS Data
Northeast	03	Wanaque River at Wanaque Ave in Pompton Lakes	AN0257	Unknown Toxicity	NJDEP AMNET
Northeast	03		Montclair YMCA Near Beach and Far Beach	Fecal Coliform	Passaic Co HD
Northeast	04	Deepavaal Brook at Fairfield	01389138	Fecal Coliform	NJDEP/USGS Data
Northeast	04	Deepavaal Brook at Ltl Falls Ave in Fairfield	AN0271	Aquatic Life	NJDEP AMNET
Northeast	04	Diamond Brook at Fair Lawn	01389860	Fecal Coliform	NJDEP/USGS Data
Northeast	04	Dundee Lake-04	Dundee Lake	Fish-Mercury	NJDEP Fish Tissue Monitoring
Northeast	04	Goffle Brook at Hawthorne	01389850	Fecal Coliform	NJDEP/USGS Data
Northeast	04	Goffle Brook at Wagaraw Rd in Hawthorne	AN0277	Aquatic Life	NJDEP AMNET
Northeast	04	Hohokus Brook at Mouth at Paramus	01391100	Fecal Coliform	NJDEP/USGS Data
Northeast	04	Hohokus Brook at Park Ave in Allendale	AN0285	Aquatic Life	NJDEP AMNET
Northeast	04	Hohokus Brook at Spring St in Ridgewood Village	AN0288	Aquatic Life, Unknown Toxicity	NJDEP AMNET
Northeast	04	Molly Ann Brook at Totowa Ave in Paterson	AN0276	Aquatic Life	NJDEP AMNET
Northeast	04	Naachtpunkt Brook at Continental Dr (abv outfall) in Wayne Twp	AN0273A	Aquatic Life	NJDEP AMNET
Northeast	04	Naachtpunkt Brook at Continental Dr (blw outfall) in Wayne Twp	AN0273B	Aquatic Life	NJDEP AMNET
Northeast	04	Passaic Estuary		Arsenic, Mercury	HEP (GLEC, 1996), USEPA, 1999
Northeast	04	Passaic River at Elmwood Pk	01389880, 4-SITE-5	Phosphorus, Fecal Coliform, Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Silver, Thallium, Zinc, Cyanide	NJDEP/USGS Data, Metal Recon
Northeast	04	Passaic River at Little Falls	01389500, 4-SITE-6, 4-PAS-3	Phosphorus, Fecal Coliform, Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Silver, Thallium, Zinc, Cyanide	NJDEP/USGS Data, Metal Recon
Northeast	04	Passaic River at River Rd (Dundee Dam) in Garfield	AN02920	Aquatic Life	NJDEP AMNET
Northeast	04	Passaic River at Singac	01389130, 4-PAS-4	Phosphorus, Fecal Coliform, Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Silver, Thallium, Zinc, Cyanide	NJDEP/USGS Data, Metal Recon
Northeast	04	Passaic River Below Pompton River at Two Bridges	01389005	Phosphorus	NJDEP/USGS Data
Northeast	04	Passaic River Lower and Estuary		Fish-PCB, Fish-Chlordane, Fish-Dioxin	NJDEP Fish Tissue Monitoring

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Northeast	04	Peckman River at McBride Ave in West Paterson	AN0275	Aquatic Life	NJDEP AMNET
Northeast	04	Peckman River at West Patterson	01389600	Fecal Coliform	NJDEP/USGS Data
Northeast	04	Preakness Brook at French Hill Rd in Wayne Twp	AN0273	Aquatic Life	NJDEP AMNET
Northeast	04	Preakness Brook near Little Falls	01389080	Fecal Coliform	NJDEP/USGS Data
Northeast	04	Ramsey Brook at Allendale	01390900	Fecal Coliform	NJDEP/USGS Data
Northeast	04	Ramsey Brook at Grenadier Dr W of Cortland Tr in Mahwah Twp	AN0286X	Aquatic Life	NJDEP AMNET
Northeast	04	Ramsey Brook at Masonicus Rd in Mahwah Twp	AN0286	Aquatic Life	NJDEP AMNET
Northeast	04	Ramsey Brook at Park Ave in Allendale	AN0287	Unknown Toxicity	NJDEP AMNET
Northeast	04	Saddle River at Dunkerhook Rd in Fair Lawn	AN0289	Aquatic Life, Unknown Toxicity	NJDEP AMNET
Northeast	04	Saddle River at E Allendale Ave in Saddle River	AN0281	Aquatic Life, Unknown Toxicity	NJDEP AMNET
Northeast	04	Saddle River at E Ridgewood Ave in Paramus	AN0282	Aquatic Life, Unknown Toxicity	NJDEP AMNET
Northeast	04	Saddle River at Fairlawn	01391200, 4-SITE-13, 4-SAD-1	Phosphorus, Fecal Coliform, Unionized Ammonia	NJDEP/USGS Data, Metal Recon
Northeast	04	Saddle River at Grove Street A	01390518	Fecal Coliform	NJDEP/USGS Data
Northeast	04	Saddle River at Lodi	01391500, 4-SITE-12	Phosphorus, Fecal Coliform	NJDEP/USGS Data, Metal Recon
Northeast	04	Saddle River at Marcellus Pl in Garfield	AN0291	Aquatic Life, Unknown Toxicity	NJDEP AMNET
Northeast	04	Saddle River at Railroad Ave in Rochelle Park Twp	AN0290	Aquatic Life, Unknown Toxicity	NJDEP AMNET
Northeast	04	Saddle River at Ridgewood	01390500	pH	NJDEP/USGS Data
Northeast	04	Saddle River at Ridgewood Avenue at Ridgewood	01390510	Fecal Coliform	NJDEP/USGS Data
Northeast	04	Saddle River at Rochelle Park	01391490	Phosphorus, Fecal Coliform	NJDEP/USGS Data
Northeast	04	Saddle River at Saddle River	01390470	Fecal Coliform	NJDEP/USGS Data
Northeast	04	Saddle River W Br at Old Stone Church Rd in Upper Saddle River	AN0280	Aquatic Life	NJDEP AMNET
Northeast	04	Saddle River W Br at Upper Saddle River	01390445	Fecal Coliform	NJDEP/USGS Data
Northeast	04	Second River at McCarter Hwy in Belleville	AN0293	Aquatic Life	NJDEP AMNET
Northeast	04	Third River at Kingland Ave in Clifton	AN0292	Aquatic Life	NJDEP AMNET
Northeast	04	Third River at W Passaic Ave in Bloomfield	AN0292A	Aquatic Life	NJDEP AMNET
Northeast	04	Valentine Brook at Forest Ave in Allendale	AN0284	Unknown Toxicity	NJDEP AMNET
Northeast	04	Verona Park Lake-04	Verona Park Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program

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Northeast	05	Ackermans Creek Adjacent to Berry's Creek Reach 02030103-034-0.11		Chromium, Mercury, PCB, Chlorinated Benzenes	Remanded 303d List, (F.R. V.66, #195, 10/9/01)
Northeast	05	Berry's Creek Reach 02030103-034		Mercury, Arsenic, Lead, Copper, PCB	Remanded 303d List, (F.R. V.66, #195, 10/9/01)
Northeast	05	Coles Brook at Hackensack	01378560	Phosphorus, Fecal Coliform	NJDEP/USGS Data
Northeast	05	Dorotockys Run on Old Tappan Rd, Old Tappan	5-DOR-1	Arsenic, Mercury	NJDEP/USGS Metal Recon
Northeast	05	Dwars Kill on Blanch Ave., Norwood	5-DWA-1	Mercury	NJDEP/USGS Metal Recon
Northeast	05	Hackensack River - Tidal		Mercury, Fish-PCB, Fish-Dioxin, Fish-Chlordane	HEP (GLEC, 1996), EPA, 1999; NJDEP Fish Tissue Monitoring
Northeast	05	Hackensack River at New Milford	01378500	Phosphorus, Fecal Coliform	NJDEP/USGS Data
Northeast	05	Hackensack River at Old Tappan	01376970, 5-HAC-2	Arsenic	NJDEP/USGS Data, Metal Recon
Northeast	05	Hackensack River at Old Tappan Rd in Old Tappan	AN0205	Aquatic Life	NJDEP AMNET
Northeast	05	Hackensack River at Rivervale	01377000, 5-HAC-3	Fecal Coliform, Arsenic, Chromium, Copper, Lead, Mercury	NJDEP/USGS Data, Metal Recon
Northeast	05	Hudson River - NYC & Battery	HR1, HR2	Mercury, Fish-PCB, Fish-Dioxin	HEP (GLEC, 1996), NJDEP Fish Tissue Monitoring
Northeast	05	Hudson River at G.W. Bridge	HR4	Mercury, Fish-PCB, Fish-Dioxin	HEP (GLEC, 1996), NJDEP Fish Tissue Monitoring
Northeast	05	Hudson River near Yonkers	HR7	Mercury, Fish-PCB, Fish-Dioxin	HEP (GLEC, 1996), NJDEP Fish Tissue Monitoring
Northeast	05	Hudson River- NYC Area		Mercury, Fish-PCB, Fish-Dioxin	HEP (GLEC, 1996), NJDEP Fish Tissue Monitoring
Northeast	05	Lincoln Park Lake-05	Lincoln Park Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Northeast	05	Musquapsink Brook at River Vale	01377499	Phosphorus, Fecal Coliform	NJDEP/USGS Data
Northeast	05	Musquapsink River at Harrington Ave in Westwood	AN0206	Aquatic Life	NJDEP AMNET
Northeast	05	North Hudson Park Lake-05	North Hudson Park Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Northeast	05	Overpeck Lake-05	Overpeck Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Northeast	05	Pascack Brook at Westwood	01377500, 5-PAS-1	Phosphorus, Fecal Coliform, Arsenic, Mercury	NJDEP/USGS Data, Metal Recon
Northeast	05	Tenakill Brook at Cedar Lane at Closter	01378387, 5-TEN-2	Fecal Coliform, Arsenic	NJDEP/USGS Data, Metal Recon
Northeast	05	Tenakill Brook at Cedar Ln in Closter	AN0209	Aquatic Life	NJDEP AMNET
Northeast	05	Tenakill Brook on Grant Ave, Creskill	5-TEN-1	Lead	NJDEP/USGS Metal Recon
Northeast	05	Van Saun Brook at Main St & Rt 4 in Hackensack	AN0211	Aquatic Life	NJDEP AMNET
Northeast	06	Beaver Brook at Morris Ave in Denville Twp	AN0246	Aquatic Life	NJDEP AMNET
Northeast	06	Beaver Brook at Rockaway	01380100	Fecal Coliform	NJDEP/USGS Data

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Northeast	06	Black Brook at Madison	01378855	Phosphorus, Fecal Coliform	NJDEP/USGS Data
Northeast	06	Black Brook at New Vernon Rd in Long Hill Twp	AN0223	Aquatic Life	NJDEP AMNET
Northeast	06	Black Brook at Southern Blvd in Chatham Twp	AN0222	Aquatic Life	NJDEP AMNET
Northeast	06	Camp Lewis-06	Camp Lewis	Fecal Coliform	Rockaway Twp HD
Northeast	06	Canoe Brook at Parsonage Hill Rd in Millburn Twp	AN0231D	Aquatic Life	NJDEP AMNET
Northeast	06	Canoe Brook near Summit	01379530	Fecal Coliform	NJDEP/USGS Data
Northeast	06	Cozy Lake-06	Cozy Lakers	Fecal Coliform	Jefferson Twp HD
Northeast	06	Dead River at King George Rd in Bernards Twp	AN0227	Aquatic Life	NJDEP AMNET
Northeast	06	Dead River near Millington	01379200	Phosphorus, Fecal Coliform, Nitrate, Total Suspended Solids	NJDEP/USGS Data
Northeast	06	Foxs Pond-06	Park Lake Beach, Inlet, and Swim Lanes	Fecal Coliform	Randolph Twp HD
Northeast	06	Great Brook at Woodland Rd (Gr Swamp WMA) in Harding Twp	AN0219	Aquatic Life	NJDEP AMNET
Northeast	06	Green Pd Brook at Mt Pleasant Tnpk in Wharton	AN0242	Aquatic Life	NJDEP AMNET
Northeast	06	Indian Lake-06	Indian Clubhouse, Indian Franklin, Indian Main	Fecal Coliform	Denville HD
Northeast	06	Intervale Lake-06	Lake Intervale	Fecal Coliform	HD
Northeast	06	Lake Swannanoa-06	Lake Swannanoa Country Club	Fecal Coliform	Jefferson Twp HD
Northeast	06	Mountain Lake-06	Mountain Lake	Fecal Coliform, Fish-Mercury	NJDEP Fish Tissue Monitoring
Northeast	06	Parsippany Lake-06	Lake Parsippany: Hoffman Beach and Johnson Beach, and Drewes Beach	Fecal Coliform	Parsippany Troy Hills HD
Northeast	06	Passaic River	Great Piece	Fish-Mercury	NJDEP Fish Tissue Monitoring
Northeast	06	Passaic River at Eagle Rock Ave in East Hanover Twp	AN0231	Aquatic Life	NJDEP AMNET
Northeast	06	Passaic River at Fairmount Ave in Long Hill	AN0229C	Aquatic Life	NJDEP AMNET
Northeast	06	Passaic River at Old Mt Pleasant Ave in E Hanover Twp	AN0231B	Aquatic Life	NJDEP AMNET
Northeast	06	Passaic River at Passaic Ave in Millburn Twp	AN0231A	Aquatic Life	NJDEP AMNET
Northeast	06	Passaic River at S Main Ave in Warren Twp	AN0228	Aquatic Life	NJDEP AMNET
Northeast	06	Passaic River at Snyder Ave in Berkeley Twp	AN0229B	Aquatic Life	NJDEP AMNET
Northeast	06	Passaic River at Stanley Ave in Summit	AN0229	Aquatic Life	NJDEP AMNET
Northeast	06	Passaic River at Summit Ave in Summit	AN0230	Aquatic Life	NJDEP AMNET

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Data Source
Northeast	06	Passaic River at Two Bridges	01382000, 6-SITE-3	Phosphorus, Fecal Coliform, Arsenic, Chromium, Copper, Lead, Mercury	NJDEP/USGS Data, Metal Recon
Northeast	06	Passaic River at Watchung Ave in Chatham	AN0230A	Aquatic Life	NJDEP AMNET
Northeast	06	Passaic River at Willard St in Montville Twp	AN0274A	Aquatic Life	NJDEP AMNET
Northeast	06	Passaic River near Chatham	01379500, 6-SITE-1, 6-PAS-2	Phosphorus, Fecal Coliform, Total Suspended Solids, Arsenic, Cadmium, Copper, Lead, Mercury, Silver, Zinc, Cyanide	NJDEP/USGS Data, Metal Recon
Northeast	06	Passaic River near Millington	01379000, 6-SITE-2, 6-PAS-1	Phosphorus, Fecal Coliform, Dissolved Oxygen, Arsenic, Cadmium, Copper, Lead, Mercury, Silver, Zinc, Cyanide	NJDEP/USGS Data, Metal Recon
Northeast	06	Powder Mill Pond-06	Tabor Lake Corporation	Fecal Coliform	HD
Northeast	06	Rainbow Lakes-06	Rainbow Lakes Comm. Club	Fecal Coliform	HD
Northeast	06	Ricabear Lake-06	Lake Rickabear Beach	Fecal Coliform	Borough of Kinnelon
Northeast	06	Rockaway River		Fish-Mercury	NJDEP Fish Tissue Monitoring
Northeast	06	Rockaway River at Berkshire Valley	01379700	Fecal Coliform	NJDEP/USGS Data
Northeast	06	Rockaway River at Berkshire Valley Rd in Jefferson Twp	AN0241	Aquatic Life	NJDEP AMNET
Northeast	06	Rockaway River at Blackwell St	01379853	Fecal Coliform	NJDEP/USGS Data
Northeast	06	Rockaway River at Boonton	01380500, 6-SITE-11	Arsenic, Cadmium, Chromium, Lead, Mercury, Selenium, Zinc, Tetrachloroethylene, Trichloroethylene	NJDEP/USGS Data, Metal Recon
Northeast	06	Rockaway River at Morris Ave in Boonton	AN0250	Aquatic Life	NJDEP AMNET
Northeast	06	Rockaway River at Pine Brook	01381200, 6-SITE-10, 6-ROC-1	Phosphorus, Fecal Coliform, Lead, Tetrachloroethylene, Trichloroethylene	NJDEP/USGS Data, Metal Recon
Northeast	06	Slough Brook at Parsonage Hill Rd in Millburn Twp	AN0231C	Aquatic Life	NJDEP AMNET
Northeast	06	Stony Brook at Boonton	01380320	Fecal Coliform	NJDEP/USGS Data
Northeast	06	Stony Brook at Valley Rd in Boonton Twp	AN0249	Aquatic Life	NJDEP AMNET
Northeast	06	Sunrise Lake-06	Sunrise Lake	Fecal Coliform	Bernards Twp HD
Northeast	06	Telemark Lake-06	Lake Telemark	Fecal Coliform	Rockaway Twp HD
Northeast	06	Watnong Brook at W Hanover Rd in Morris Twp	AN0234B	Aquatic Life	NJDEP AMNET
Northeast	06	West Lake-06	Sabeys Beach, West Fayson Lake Main Beach	Fecal Coliform	Borough of Kinnelon

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Data Source
Northeast	06	Whippany River at Edwards Rd in Parsippany-Troy Hills Twp	AN0238	Aquatic Life	NJDEP AMNET
Northeast	06	Whippany River at Jefferson Rd in Hanover Twp	AN0235	Aquatic Life	NJDEP AMNET
Northeast	06	Whippany River at Whitehead Rd in Morris Twp	AN0233	Aquatic Life	NJDEP AMNET
Northeast	06	Whippany River near Pine Brook	01381800, 6-WHI-2	Dissolved Oxygen, Total Suspended Solids, Lead	NJDEP/USGS Data, Metal Recon
Northeast	06	White Meadow Lake-06	White Meadow Lake 1, 2, and 3	Fecal Coliform	Rockaway Twp HD
Northeast	06		Community Assoc. of Prospect Point	Fecal Coliform	Jefferson Twp HD
Northeast	06		Conference Center Left and Right	Fecal Coliform	Twp of Pequannock
Northeast	06		Morris County Park Lake, Beach, Inlet, Outlet,	Fecal Coliform	Bernards Twp HD
Northwest	01	Bear Creek at Dark Moon Rd in Frelinghuysen Twp	AN0040A	Aquatic Life	NJDEP AMNET
Northwest	01	Bear Creek near Alphano in Allamuchy Twp	AN0040	Aquatic Life	NJDEP AMNET
Northwest	01	Clove Brook at Rt 23 in Montague Twp	AN0002	Aquatic Life	NJDEP AMNET
Northwest	01	Cranberry Lake-01	Cranberry Lake	Nutrients/Sedimentation (Eutrophic), Fish-Mercury	NJDEP Clean Lakes Program, NJDEP Fish Tissue Monitoring
Northwest	01	Delaware River at Easton PA	01447000	Arsenic, Cadmium, Chromium. Copper, Lead, Mercury	304(l)
Northwest	01	Delaware River Zone 1		Fish-Mercury	NJDEP Fish Tissue Monitoring
Northwest	01	Dry Brook at Rt 519 near Branchville	01443370	Fecal Coliform	NJDEP/USGS Data
Northwest	01	Dunnfield Creek at Dunnfield	01442760	pH	NJDEP/USGS Data
Northwest	01	Flat Brook near Flatbrookville	01440000	Temperature	NJDEP/USGS Data
Northwest	01	Fox Hollow Lake-01	Fox Hollow Lake	Fecal Coliform	Sparta Twp HD
Northwest	01	Furnace Brook at Pequest Rd in White Twp	AN0042	Aquatic Life	NJDEP AMNET
Northwest	01	Furnace Lake-01	Furnace Lake Beach	Fecal Coliform	Warren Co HD
Northwest	01	Ghost Lake-01	Ghost Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Northwest	01	Jacksonburg Creek near Blairstown	01443600	Fecal Coliform	NJDEP/USGS Data
Northwest	01	Jacobs Creek at Bear Tavern Rd in Hopewell Twp	AN0106A	Aquatic Life	NJDEP AMNET
Northwest	01	Lackawanna Lake-01	Lake Lackawanna: Speers Beach	Fecal Coliform	Sussex Co HD

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Data Source
Northwest	01	Lake Hopatcong-01	Lake Hopatcong, Byram Bay Community Club, Davis Cove, Beck Lane Properties, Crescent Cove, Dox Incorporated, East Shores POA, Elba Point Homeowners, Homestead Beach, Hopatcong Shores Property, Hoptacong Gardens Comm. Club, Ingram Cove Community, Jewish Center, Lake Forest Yacht Club Beach, Lake Forest Yacht Club Dock, Logan Hills Beach Club, Randal Beach Club, Shady Lawn Beach Club, Sperry Springs, Wildwood Shores POA (Bass Rock Road), Wildwood Shores POA (Lines Ave), Wildwood Shores POA (Pebble Beach), Colony Club, Shawnee Dock Association, Shore Hills, Mt Arlington Beach, Hoptacong SP	Fecal Coliform	Sussex Co HD
Northwest	01	Lake Hopatcong-01	Lake Hopatcong	Nutrients/Sedimentation (Eutrophic), Aquatic Life, Fish-Mercury	Freshwater Fisheries, NJDEP Fish Tissue Monitoring
Northwest	01	Lake Musconetcong -01	Lake Musconetcong	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Northwest	01	Lubbers Run at Waterloo Rd (N of Rt 604) in Byram Twp	AN0069A	Aquatic Life	NJDEP AMNET
Northwest	01	Merrill Cr Reservoir-01	Merrill Creek Reservoir	Fish-Mercury	NJDEP Fish Tissue Monitoring
Northwest	01	Musconetcong River at Lockwood	01455801	Phosphorus, Fecal Coliform, Temperature	NJDEP/USGS Data

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Data Source
Northwest	01	Musconetcong River at Beattystown	01456200, 1-MUS-3	Fecal Coliform, Temperature, Arsenic	NJDEP/USGS Data, Metal Recon
Northwest	01	Musconetcong River at Lake Hopatcong	01455500	Fecal Coliform, pH, Temperature	NJDEP/USGS Data
Northwest	01	Musconetcong River at New Hampton Rd in Lebanon Twp	AN0072	Aquatic Life	NJDEP AMNET
Northwest	01	Musconetcong River at Riegelsville	01457400, 1-MUS-5	Phosphorus, Fecal Coliform, Temperature	NJDEP/USGS Data, Metal Recon
Northwest	01	Musconetcong River at Rt 206 in Netcong	AN0063A	Aquatic Life	NJDEP AMNET
Northwest	01	Musconetcong River at Rt 604 (abv Saxton Lk) in Mt Olive Twp	AN0069E	Aquatic Life	NJDEP AMNET
Northwest	01	Musconetcong River at S of Rt 604 & Rt 80 in Mt Olive Twp	AN0069D	Aquatic Life	NJDEP AMNET
Northwest	01	Musconetcong River blw Waterloo Village lower dam in Mt Olive Twp	AN0069C	Aquatic Life	NJDEP AMNET
Northwest	01	Musconetcong River near Bloomsbury	01457000, 1-MUS-4	Fecal Coliform, pH	NJDEP/USGS Data, Metal Recon
Northwest	01	Musconetcong River off Rt 604 (blw Lubbers Run) in Lockwood	AN0069B	Aquatic Life	NJDEP AMNET
Northwest	01	Paulins Kill at Balesville	01443440, 1-PAU-1	Fecal Coliform, Arsenic	NJDEP/USGS Data, Metal Recon
Northwest	01	Paulins Kill at Blairstown	01443500	Fecal Coliform, Temperature	NJDEP/USGS Data
Northwest	01	Paulins Kill at Rt 46 in Knowlton Twp	AN0032	Aquatic Life	NJDEP AMNET
Northwest	01	Paulins Kill at Rt 663 in Lafayette Twp	AN0015	Aquatic Life	NJDEP AMNET
Northwest	01	Paulins Kill Lake-01	Paulinskill Lake North(Main), Paulinskill Lake South	Fecal Coliform	Sussex Co HD
Northwest	01	Paulins Kill Trib at Rt 94 & Old Beaver Run Rd in Lafayette Twp	AN0016A	Aquatic Life	NJDEP AMNET
Northwest	01	Paulins Kill Trib at Van Sickel Rd in Lafayette Twp	AN0021A	Aquatic Life	NJDEP AMNET
Northwest	01	Pequest River at Pequest	01445500, 1-PEQ-2	Phosphorus, Fecal Coliform, Total Suspended Solids	NJDEP/USGS Data, Metal Recon
Northwest	01	Pequest River at Rt 206 in Andover Twp	AN0035	Aquatic Life	NJDEP AMNET
Northwest	01	Pequest River at Rt206 Below Springdale	01444970	Fecal Coliform	NJDEP/USGS Data
Northwest	01	Pequest River on Water Street at Belvidere	01446400, 1-PEQ-3	Phosphorus, Fecal Coliform, pH, Temperature, Arsenic, Cadmium, Chromium, Lead, Mercury	NJDEP/USGS Data, Metal Recon
Northwest	01	Pequest River UNK Trib at Brighton Rd in Green Twp	AN0036	Aquatic Life	NJDEP AMNET

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Data Source
Northwest	01	Plum Brook at Pine Hill Rd in Delaware Twp	AN0093	Aquatic Life	NJDEP AMNET
Northwest	01	Pohatcong Creek at Buttermilk Bridge Rd in Washington Twp	AN0057	Aquatic Life	NJDEP AMNET
Northwest	01	Pohatcong Creek at New Village	01455200	Phosphorus, Fecal Coliform, pH, Temperature	NJDEP/USGS Data
Northwest	01	Pohatcong Creek at O'Brian Rd in Mansfield Twp	AN0054A	Aquatic Life	NJDEP AMNET
Northwest	01	Pohatcong Creek at Tunnel Hill Rd in Mansfield Twp	AN0055	Aquatic Life	NJDEP AMNET
Northwest	01	Seneca Lake-01	Seneca Lake	Fecal Coliform	Sparta Twp HD
Northwest	01	Shipetaukin Creek at Rt 583 in Lawrence Twp	AN0111	Aquatic Life	NJDEP AMNET
Northwest	01	Swartswood Lake-01	Swartswood Lake	Nutrients/Sedimentation (Eutrophic), Fish-Mercury	NJDEP Clean Lakes Program, NJDEP Fish Tissue Monitoring
Northwest	01	Tomahawk Lake-01	Tomahawk Lake (Kiddie Lake Area) and (Large Lake Area)	Fecal Coliform	Sussex Co HD
Northwest	01	Trout Brook at Rt 57 in Hackettstown	AN0068	Aquatic Life	NJDEP AMNET
Northwest	01	Trout Brook at Rt 612 in Allamuchy Twp	AN0038	Aquatic Life	NJDEP AMNET
Northwest	01	Upper Mohawk Lake-01	Upper Mohawk Lake	Fecal Coliform	Sparta Twp HD
Northwest	01	Wills Brook at Acorn St in Mt Olive Twp	AN0064C	Aquatic Life	NJDEP AMNET
Northwest	01	Wills Brook at Erie Lackawanna RR Bridge in Mt Olive Twp	AN0064B	Aquatic Life	NJDEP AMNET
Northwest	01		Green Valley Beach Campground	Fecal Coliform	Sussex Co HD
Northwest	02	Beaver Run at Cemetery Rd in Wantage Twp	AN0301	Aquatic Life	NJDEP AMNET
Northwest	02	Black Creek at Marker Rd in Vernon Twp	AN0296	Aquatic Life	NJDEP AMNET
Northwest	02	Black Creek near Vernon	01368950	Fecal Coliform	NJDEP/USGS Data
Northwest	02	Clove Brook at Loomis Ave in Sussex	AN0309	Aquatic Life	NJDEP AMNET
Northwest	02	Clove Brook UNK Trib at Rose Marrow Ave in Wantage Twp	AN0308	Unknown Toxicity	NJDEP AMNET
Northwest	02	Clove Lake-02	Clove Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Northwest	02	Deer Trail Lake-02	Deer Trail Lake	Fecal Coliform	Sparta Twp HD
Northwest	02	Double Kill at Waywayanda	01368820	Fecal Coliform	NJDEP/USGS Data
Northwest	02	Heaters Pond-02	Heaters Pond	Fecal Coliform	Sparta Twp HD
Northwest	02	Lake Mohawk-02	Lake Mohawk: Sleepy Lagoon, Alpine Beach, Beach 1, Beach 2, Beach 3, Beach 4, Beach 5, Beach 6, Happy Valley Beach, Manitou Beach, Tamarack Beach	Fecal Coliform	Sparta Twp HD
Northwest	02	Papakating Creek at Pelletown	01367800	Fecal Coliform	NJDEP/USGS Data
Northwest	02	Papakating Creek at Rt 565 in Frankford Twp	AN0304	Aquatic Life, Unknown Toxicity	NJDEP AMNET

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Data Source
Northwest	02	Papakating Creek at Rt 565 in Wantage Twp	AN0307	Aquatic Life	NJDEP AMNET
Northwest	02	Papakating Creek at Sussex	01367910, 2-PAP-1	Phosphorus, Fecal Coliform, Arsenic	NJDEP/USGS Data, Metal Recon
Northwest	02	Papakating Creek near Sussex	01367860	Fecal Coliform	NJDEP/USGS Data
Northwest	02	Papakating Creek near Wykertown	01367780	Fecal Coliform	NJDEP/USGS Data
Northwest	02	Papakating Creek W Br at McCoys Corner	01367850	Fecal Coliform	NJDEP/USGS Data
Northwest	02	Papakating Creek W Br at Rt 565 in Wantage Twp	AN0306	Aquatic Life	NJDEP AMNET
Northwest	02	Summit Lake-02	Summit Lake	Fecal Coliform	Sparta Twp HD
Northwest	02	Wallkill River at Kennedy Ave in Ogdensburg	AN0298	Aquatic Life	NJDEP AMNET
Northwest	02	Wallkill River at Rt 15 (near municipal bldg) in Sparta Twp	AN0297	Aquatic Life	NJDEP AMNET
Northwest	02	Wallkill River at Rt 565 in Wantage Twp	AN0302	Aquatic Life	NJDEP AMNET
Northwest	02	Wallkill River at Rt 94 in Hamburg	AN0300, 2-WAL-3	Aquatic Life, Arsenic	NJDEP AMNET, NJDEP/USGS Data, Metal Recon
Northwest	02	Wallkill River at Scott Rd in Franklin	01367715, 2-WAL-2, AN0299	Fecal Coliform, Arsenic, Aquatic Life	NJDEP AMNET, NJDEP/USGS Data, Metal Recon
Northwest	02	Wallkill River at Sparta	01367625	Phosphorus, Fecal Coliform, Temperature	NJDEP/USGS Data
Northwest	02	Wallkill River near Franklin	01367700, 2-WAL-1	Phosphorus, Fecal Coliform, Arsenic	NJDEP/USGS Data, Metal Recon
Northwest	02	Wallkill River near Sussex	01367770, 2-WAL-4	Fecal Coliform, Arsenic	NJDEP/USGS Data, Metal Recon
Northwest	02	Wallkill River near Unionville	01368000, 2-WAL-5	Fecal Coliform, Arsenic	NJDEP/USGS Data, Metal Recon
Northwest	02	Glen Lake		Fecal Coliform	Sparta Twp HD
Northwest	02	Tall Timbers POA		Fecal Coliform	Sussex Co HD
Northwest	11	Assunpink Creek at Mulberry St in Trenton	AN0116	Aquatic Life	NJDEP AMNET
Northwest	11	Assunpink Creek at Peace Street at Trenton	01464020, 11-AS-3	Phosphorus, Fecal Coliform, Arsenic, Copper, Lead, Zinc	NJDEP/USGS Data
Northwest	11	Assunpink Creek at Route 539 in Upper Freehold	4	Phosphorus	Monmouth Co HD
Northwest	11	Assunpink Creek at Rt 535 in West Windsor Twp	AN0109	Aquatic Life	NJDEP AMNET
Northwest	11	Assunpink Creek at Trenton	01464000	Phosphorus, Fecal Coliform	NJDEP/USGS Data
Northwest	11	Assunpink Creek at Willow St in Trenton	AN0118	Aquatic Life	NJDEP AMNET

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Data Source
Northwest	11	Assunpink Creek at Windsor Rd in Washington Twp	AN0109A	Aquatic Life	NJDEP AMNET
Northwest	11	Assunpink Creek near Clarksville	01463620, 11-AS-2	Arsenic, Cadmium, Copper, Lead, Mercury	NJDEP/USGS, Metal Recon
Northwest	11	Assunpink Creek near Edinburg	11-AS-4	Arsenic, Cadmium, Copper, Lead, Mercury	NJDEP/USGS Metal Recon
Northwest	11	Assunpink Creek Trib near Assunpink WMA office in Millstone Twp	AN0109T	Aquatic Life	NJDEP AMNET
Northwest	11	Assunpink Lake-11	Assunpink Lake	Fish-Mercury	NJDEP Fish Tissue Monitoring
Northwest	11	Copper Creek near Frenchtown	01458710	Fecal Coliform	NJDEP/USGS Data
Northwest	11	Jacobs Creek at Bear Tavern	01462739	Fecal Coliform	NJDEP/USGS Data
Northwest	11	Miry Run at Route 533 at Mercerville	01463850	Fecal Coliform, pH	NJDEP/USGS Data
Northwest	11	Miry Run at Rt 533 in Hamilton Twp	AN0115	Aquatic Life	NJDEP AMNET
Northwest	11	New Sharon Brook at Sharon Rd in Washington Twp	AN0109B	Aquatic Life	NJDEP AMNET
Northwest	11	Nishisakawick Creek near Frenchtown	01458570	Fecal Coliform	NJDEP/USGS Data
Northwest	11	Plum Brook near Locktown	01461262	Fecal Coliform	NJDEP/USGS Data
Northwest	11	Pond Run at Rt 533 in Hamilton Twp	AN0117	Aquatic Life	NJDEP AMNET
Northwest	11	Shabakunk Creek at Rt 206 in Lawrence Twp	AN0114	Aquatic Life	NJDEP AMNET
Northwest	11	Wickecheoke Creek at Croton	01461220	Fecal Coliform	NJDEP/USGS Data
Northwest	11	Wickecheoke Creek at Locktown - Sergeantsville Rd in Delaware Twp	AN0091	Aquatic Life	NJDEP AMNET
Northwest	11	Wickecheoke Creek at Stockton	01461300	Phosphorus, Fecal Coliform, pH, Temperature, Unionized Ammonia	NJDEP/USGS Data
Raritan	07	Arthur Kill		Mercury	HEP (GLEC, 1996)
Raritan	07	Arthur Kill	Arthur Kill-4: Raritan Bay	Pathogens	NJDEP Shellfish Monitoring Program
Raritan	07	Arthur Kill and Tidal Tributaries		Fish-PCB, Fish-Dioxin	NJDEP Fish Tissue Monitoring
Raritan	07	Echo Lake-07	Echo Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Raritan	07	Elizabeth River at Lakeview Rd & Maple Terr in Union Twp	AN0202X	Aquatic Life	NJDEP AMNET
Raritan	07	Elizabeth River at Summer St in Hillside Twp	AN0204X	Aquatic Life	NJDEP AMNET
Raritan	07	Elizabeth River at Ursino Lk at Elizabeth	01393450, 7-ELI-2	Phosphorus, Fecal Coliform, Dissolved Solids	NJDEP/USGS Data, Metal Recon
Raritan	07	Elizabeth River W Br near Union	01393350, 7-WBE-1	Phosphorus, Fecal Coliform	NJDEP/USGS Data, Metal Recon
Raritan	07	Kill Van Kull	UH-11	Mercury, Fish-PCB, Fish-Dioxin	NJDEP Fish Tissue Monitoring
Raritan	07	Kings Creek		Toxic Discharge	HEP (GLEC, 1996)
Raritan	07	New York Harbor, Upper		Mercury, Fish-PCB, Fish-Dioxin	HEP (GLEC, 1996), NJDEP Fish Tissue Monitoring

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Raritan	07	Newark Bay		Mercury, Fish-PCB, Fish-Dioxin	HEP (GLEC, 1996), NJDEP Fish Tissue Monitoring
Raritan	07	NYC and Battery	HR1, HR2	Mercury	HEP (GLEC, 1996)
Raritan	07	Rahway River at Kenilworth Blvd in Cranford Twp	AN0194	Aquatic Life	NJDEP AMNET
Raritan	07	Rahway River at Rahway	01395000, 7-RAH-1	Phosphorus, Fecal Coliform, Arsenic	NJDEP/USGS Data, Metal Recon
Raritan	07	Rahway River at River Rd & Church St in Rahway	AN0195	Aquatic Life	NJDEP AMNET
Raritan	07	Rahway River at Washington Ave (Rt 82) in Springfield Twp	AN0193	Aquatic Life	NJDEP AMNET
Raritan	07	Rahway River near Springfield	01394500	Fecal Coliform	NJDEP/USGS Data
Raritan	07	Rahway River S Br at Merrill Park in Woodbridge Twp	AN0201	Aquatic Life	NJDEP AMNET
Raritan	07	Rahway River S Br at Parsonnage Rd in Edison Twp	AN0200	Aquatic Life	NJDEP AMNET
Raritan	07	Rahway River W Br at Northfield Ave at West Orange	01393960	Phosphorus, Fecal Coliform, Dissolved Solids, Copper, Lead, Zinc	NJDEP/USGS Data
Raritan	07	Robinson Br at Scotch Plains	01395200	Phosphorus, Fecal Coliform	NJDEP/USGS Data
Raritan	07	Robinson Br at St Georges Av at Rahway	01396003, 7-ROB-1	Phosphorus, Fecal Coliform, Arsenic	NJDEP/USGS Data, Metal Recon
Raritan	07	Robinsons Br at Goodmans Crossing in Scotch Plains Twp	AN0196	Aquatic Life	NJDEP AMNET
Raritan	07	Robinsons Br at Rt 27 in Rahway	AN0199	Aquatic Life	NJDEP AMNET
Raritan	07	Weequahic Lake-07	Weequahic Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Raritan	08	Back Brook at Rt 609 in East Amwell Twp	AN0335	Aquatic Life	NJDEP AMNET
Raritan	08	Beaver Brook at Lehigh St in Clinton	AN0324	Aquatic Life	NJDEP AMNET
Raritan	08	Budd Lake-08	Mt. Olive Municipal Beach, Budd Lake	Fecal Coliform	Mount Olive HD
Raritan	08	Cakepoulin (Capoloony) Creek Reach 02030105-043-0.00		DDT	Remanded 303d List, (F.R. V.66, #195, 10/9/01)
Raritan	08	Chambers Brook at North Branch Depot	01399900	Fecal Coliform	NJDEP/USGS Data
Raritan	08	Drakes Brook at Emans Rd in Roxbury Twp	AN0311	Aquatic Life	NJDEP AMNET
Raritan	08	Holland Brook at S Br Rd in Branchburg Twp	AN0343	Aquatic Life	NJDEP AMNET
Raritan	08	Lamington River at Burnt Mills	01399780	Phosphorus, Fecal Coliform	NJDEP/USGS Data
Raritan	08	Lamington River at Ironia Rd in Chester Twp	AN0356	Aquatic Life	NJDEP AMNET
Raritan	08	Lamington River near Ironia	01399200	Phosphorus, Fecal Coliform, Dissolved Oxygen	NJDEP/USGS Data
Raritan	08	Lamington River near Pottersville	01399500	Phosphorus, Fecal Coliform	NJDEP/USGS Data
Raritan	08	Mine Brook at Bernardsville Rd in Bernardsville	AN0352	Aquatic Life	NJDEP AMNET

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Data Source
Raritan	08	Mine Brook at Far Hills Rd (Rt 512) in Far Hills	AN0353	Aquatic Life	NJDEP AMNET
Raritan	08	Mulhockaway Creek at Van Syckel	01396660, 8-MU-1	Fecal Coliform	NJDEP/USGS Data, Metal Recon
Raritan	08	Neshanic River at Reaville	01398000, 8-NE-1	Phosphorus, Fecal Coliform, pH, Total Suspended Solids, Copper, Lead	NJDEP/USGS Data, Metal Recon
Raritan	08	Neshanic River at Reaville - Everitt Rd in Raritan Twp	AN0333	Aquatic Life	NJDEP AMNET
Raritan	08	Neshanic River at Rt 514 in Hillsborough Twp	AN0337	Aquatic Life	NJDEP AMNET
Raritan	08	Pleasant Run at S Br Rd in Branchburg Twp	AN0340	Aquatic Life	NJDEP AMNET
Raritan	08	Randolph Park Lake-08	Randolph Park Lake Left Beach, Right Beach, and Swim Lanes	Fecal Coliform	Randolph Twp HD
Raritan	08	Raritan River N Br at Burnt Mills	01399120, 8-NB-2	Fecal Coliform, Copper	NJDEP/USGS Data, Metal Recon
Raritan	08	Raritan River N Br at Roxitucus Rd in Mendham Twp	AN0351A	Aquatic Life	NJDEP AMNET
Raritan	08	Raritan River N Br near Chester	01398260	Fecal Coliform	NJDEP/USGS Data
Raritan	08	Raritan River N Br near Raritan	01400000	Phosphorus, Fecal Coliform	NJDEP/USGS Data
Raritan	08	Raritan River S Br Arch St at High Bridge	01396535, 8-SB-2	Fecal Coliform, Temperature	NJDEP/USGS Data, Metal Recon
Raritan	08	Raritan River S Br at Middle Valley	01396280, 8-SB-1	Phosphorus, Fecal Coliform, Temperature	NJDEP/USGS Data, Metal Recon
Raritan	08	Raritan River S Br at South Branch	01398102, 8-SB-6	Phosphorus, Fecal Coliform, pH, Arsenic, Chromium, Copper, Lead	NJDEP/USGS Data, Metal Recon
Raritan	08	Raritan River S Br at Stanton Station	01397000, 8-SB-3	Fecal Coliform, pH, Temperature, Arsenic	NJDEP/USGS Data, Metal Recon
Raritan	08	Raritan River S Br at Station Rd in Raritan Twp	AN0326	Aquatic Life	NJDEP AMNET
Raritan	08	Raritan River S Br at Three Bridges	01397400, 8-SB-4	Phosphorus, Fecal Coliform	NJDEP/USGS Data, Metal Recon
Raritan	08	Ravine Lake-08	Ravine Lake (Somerset Lake)	Fecal Coliform	Bernards Twp HD
Raritan	08	Rockaway Creek at Whitehouse	01399700, 8-RO-1	Phosphorus, Fecal Coliform, pH, Lead, Mercury	NJDEP/USGS Data, Metal Recon
Raritan	08	Rockaway Creek S Br at Rt 22 in Readington Twp	AN0368	Aquatic Life	NJDEP AMNET
Raritan	08	Round Valley Reservoir Recreational Area-08	Round Valley Recreational Area	Nutrients/Sedimentation (Eutrophic), Fecal Coliform	NJDEP Clean Lakes Program
Raritan	08	Round Valley Reservoir-08	Round Valley Reservoir	Fish-Mercury	NJDEP Fish Tissue Monitoring
Raritan	08	Second Neshanic River at Rt 31 in Raritan Twp	AN0331	Aquatic Life	NJDEP AMNET

**State of New Jersey's
2002 Integrated List of Waterbodies**

Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Data Source
Raritan	08	Spruce Run at Clinton	01396800, 8-SP-1	Phosphorus, pH, Temperature, Cadmium	NJDEP/USGS Data, Metal Recon
Raritan	08	Spruce Run at Newport	01396550	Fecal Coliform, Temperature	NJDEP/USGS Data, Metal Recon
Raritan	08	Spruce Run near Glen Gardner	01396588, 8-SP-2	Fecal Coliform, Temperature	NJDEP/USGS Data, Metal Recon
Raritan	08	Spruce Run Reservoir-08	Spruce Run Reservoir	Aquatic Life, Fish-Mercury	NJDEP Fish Tissue Monitoring, Freshwater Fisheries
Raritan	08	Stony Brook at Fairview Avenue at Naughtright	01396219	Fecal Coliform	NJDEP/USGS Data
Raritan	08	Sunset Lake-08	Sunset Lake	Fecal Coliform	Bridgewater Twp
Raritan	08	Third Neshanic River at Rt 31 in Raritan Twp	AN0332	Aquatic Life	NJDEP AMNET
Raritan	08		Camp Bernie	Fecal Coliform	Hunterdon Co HD
Raritan	09	Ambrose Brook at Raritan Ave in Middlesex	AN0425	Aquatic Life	NJDEP AMNET
Raritan	09	Ambrose Brook at School St. in No. Stelton	AN0425B	Aquatic Life	NJDEP AMNET
Raritan	09	Barclay Brook near Englishtown	01405285	pH	NJDEP/USGS Data
Raritan	09	Bound Brook at Bound Brook Rd in Middlesex	AN0424	Aquatic Life	NJDEP AMNET
Raritan	09	Bound Brook at Middlesex	01403900	Phosphorus, Fecal Coliform, Total Suspended Solids	NJDEP/USGS Data
Raritan	09	Bound Brook at Route 28 at Middlesex	01403385	Phosphorus, Fecal Coliform	NJDEP/USGS Data
Raritan	09	Bound Brook at Woodbrook Rd in South Plainfield	AN0424B	Aquatic Life	NJDEP AMNET
Raritan	09	Cedar Brook at Cedarbrook Ave. in So. Plainfield	AN0424A	Aquatic Life	NJDEP AMNET
Raritan	09	Davidsons Mill Pond-09	Davidsons Mill Pond	Nutrients/Sedimentation (Eutrophic), Aquatic Life	NJDEP Clean Lakes Program, Freshwater Fisheries
Raritan	09	Deep Run at Rt 516 in Old Bridge Twp	AN0454	Aquatic Life	NJDEP AMNET
Raritan	09	Deep Run at Rt 9 in Old Bridge Twp	AN0453	Aquatic Life	NJDEP AMNET
Raritan	09	Devoe Lake-09	Devoe Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Raritan	09	Edmunds Creek Adjacent to Mill Brook at 02030105-059-0.00; Trib to Lower Raritan River		PCB	Remanded 303d List, (F.R. V.66, #195, 10/9/01)
Raritan	09	Green Brook at Apple Tree Rd. in Watchung Twp.	AN0421B	Aquatic Life	NJDEP AMNET
Raritan	09	Green Brook at Clinton Ave in North Plainfield	AN0423	Aquatic Life	NJDEP AMNET
Raritan	09	Green Brook at Main St in Bound Brook	AN0426	Aquatic Life	NJDEP AMNET
Raritan	09	Green Brook at New Providence Rd. in Seeleys Mill	AN0421A	Aquatic Life	NJDEP AMNET
Raritan	09	Green Brook at North Plainfield	01403470	Fecal Coliform	NJDEP/USGS Data

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Data Source
Raritan	09	Green Brook at off Mill Rd. in Sebrings Mill	AN0426A	Aquatic Life	NJDEP AMNET
Raritan	09	Green Brook at Raymond Ave in Plainfield	AN0421	Aquatic Life	NJDEP AMNET
Raritan	09	Ireland Brook at Patricks Corners	01404470	pH	NJDEP/USGS Data
Raritan	09	Ireland Brook at Riva Rd in South Brunswick Twp	AN0433	Aquatic Life	NJDEP AMNET
Raritan	09	Lake Topanemus at Pond Rd in Freehold	61	Phosphorus, Fecal Coliform	Monmouth Co HD
Raritan	09	Lawrence Brook at Davidsons Mill Rd in South Brunswick Twp	AN0431	Aquatic Life	NJDEP AMNET
Raritan	09	Lawrence Brook at Ridge Rd in South Brunswick Twp	AN0430	Aquatic Life	NJDEP AMNET
Raritan	09	Lawrence Brook at Riva Rd in Milltown	AN0434	Aquatic Life	NJDEP AMNET
Raritan	09	Lawrence Brook on Davidson's Mill Rd, Black Horse	9-LAW-1	Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Zinc	NJDEP/USGS Metal Recon
Raritan	09	Manalapan Brook at Federal Rd in Monearoe Twp	AN0439	Aquatic Life	NJDEP AMNET
Raritan	09	Manalapan Brook at Federal Rd near Manalapan	01405340, 9-MAN-1	Phosphorus, Fecal Coliform, pH, Lead	NJDEP/USGS Data, Metal Recon
Raritan	09	Manalapan Brook at Old Forge Rd in Monearoe Twp	AN0440	Aquatic Life	NJDEP AMNET
Raritan	09	Manalapan Brook near Spotswood	01405440, 9-MAN-2	Phosphorus, Fecal Coliform, pH, Arsenic, Lead, Zinc	NJDEP/USGS Data, Metal Recon
Raritan	09	Manalapan Lake-09	Manalapan Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Raritan	09	Matchaponix Brook at Englishtown	01405190	Fecal Coliform	NJDEP/USGS Data
Raritan	09	Matchaponix Brook at Rt 527 in Manalapan Twp	AN0448	Aquatic Life	NJDEP AMNET
Raritan	09	Matchaponix Brook at Spotswood	01405302	pH	NJDEP/USGS Data
Raritan	09	Matchaponix Brook at Texas Rd in Monearoe Twp	AN0451	Aquatic Life	NJDEP AMNET
Raritan	09	McGellairds Brook at Rt 527 in Englishtown	AN0447	Aquatic Life	NJDEP AMNET
Raritan	09	McGolliard Brook at Main St in Englishtown	22	Phosphorus, Fecal Coliform	Monmouth Co HD
Raritan	09	Mile Run at Rt 527 in Franklin Twp	AN0429	Aquatic Life	NJDEP AMNET
Raritan	09	New Market Pond-09	New Market Pond	Aquatic Life, Fish-PCB	NJDEP Fish Tissue Monitoring, Freshwater Fisheries
Raritan	09	NY-NJ Harbor wide		PCBs, Dioxin, PAHs, Pesticides	HEP (GLEC, 1996)
Raritan	09	Peters Brook at Rt 28 at Somerville	01400390	Fecal Coliform	NJDEP/USGS Data
Raritan	09	Peters Brook at Rt 28 in Somerville	AN0375	Aquatic Life	NJDEP AMNET
Raritan	09	Pine Brook at Pension Rd in Manalapan Twp	AN0449	Aquatic Life	NJDEP AMNET

**State of New Jersey's
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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Data Source
Raritan	09	Raritan Bay	Raritan Bay-1 thru 7	Pathogens	NJDEP Shellfish Monitoring Program
Raritan	09	Raritan Bay and Tidal Tributaries		Fish-PCB, Fish-Dioxin	NJDEP Fish Tissue Monitoring
Raritan	09	Raritan Bay/River		Fish-Mercury	NJDEP Fish Tissue Monitoring
Raritan	09	Raritan River (non-tidal)		Mercury	HEP (GLEC, 1996)
Raritan	09	Raritan River abv Millstone River conf in Bridgewater Twp	AN0377	Aquatic Life	NJDEP AMNET
Raritan	09	Raritan River at Manville	01400500	Phosphorus, Fecal Coliform, pH	NJDEP/USGS Data
Raritan	09	Raritan River at Queens Bridge	01403300	Phosphorus, Fecal Coliform, Total Suspended Solids	NJDEP/USGS Data
Raritan	09	Raritan River Estuary		Pathogens	NJDEP Shellfish Monitoring Program
Raritan	09	Raritan River Estuary, 02030105-001		Arsenic, Cadmium, Zinc	HEP (GLEC, 1996)
Raritan	09	Raritan River Estuary, 02030105-002		Arsenic, Cadmium, PCB	HEP (GLEC, 1996)
Raritan	09	South River		Arsenic, Cadmium, Chromium, Copper, Lead, Mercury	304(l)
Raritan	09	Stony Brook at Sunlit Dr. in Watchung Boro.	AN0422A	Aquatic Life	NJDEP AMNET
Raritan	09	Stony Brook at Westend Ave in North Plainfield	AN0422	Aquatic Life	NJDEP AMNET
Raritan	09	Tennent Brook at Old Bridge-South Amboy Rd in Old Bridge Twp	AN0455	Aquatic Life	NJDEP AMNET
Raritan	09	Topanemus Lake-09	Topanemus Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Raritan	09	Weamaconk Creek at Main St (Tennent Rd) in Manalapan	MB-81	Aquatic Life	Monmouth Co HD
Raritan	09	Weamaconk Creek at Rt 522 in Englishtown	AN0443	Aquatic Life	NJDEP AMNET
Raritan	09	Weamaconk Lake-09	Weamaconk Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Raritan	09	Weamaconk Creek at Main St in Manalapan	9	Phosphorus, Fecal Coliform	Monmouth Co HD
Raritan	09	Wemrock Brook at Rt #9 (After 1St Pipe) in Freehold	69	Phosphorus, Fecal Coliform	Monmouth Co HD
Raritan	09	Wemrock Brook at Rt #9 (Before Pipes) in Freehold	68	Phosphorus, Fecal Coliform	Monmouth Co HD
Raritan	09		Carroll's Garden Lake	Fecal Coliform	Middlesex Co Public HD
Raritan	10	Bear Brook at Stobbe Ln in West Windsor Twp	AN0384	Unknown Toxicity	NJDEP AMNET
Raritan	10	Beden Brook at Great Rd in Blawenburg	AN0401B	Aquatic Life	NJDEP AMNET
Raritan	10	Bedens Brook at Aunt Molly Rd (abv STP) in Hopewell Twp	AN0398, 10-BED-1	Aquatic Life	NJDEP AMNET, Metal Recon
Raritan	10	Bedens Brook at Rt 206 in Montgomery Twp	AN0401	Aquatic Life	NJDEP AMNET

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Data Source
Raritan	10	Bedens Brook near Rocky Hill	01401600, 10-BED-2, 10-BED-3	Phosphorus, Fecal Coliform, Arsenic, Lead	NJDEP/USGS Data, Metal Recon
Raritan	10	Big Bear Brook at Old Trenton Rd (Rt 535) in West Windsor Twp	AN0383	Aquatic Life, Unknown Toxicity	NJDEP AMNET
Raritan	10	Carnegie Lake-10	Carnegie Lake	Fish-Mercury	NJDEP Fish Tissue Monitoring
Raritan	10	Cranbury Brook near Prospect Plains	01400690	Fecal Coliform, pH	NJDEP/USGS Data
Raritan	10	Cranbury Brook at Applegarth Rd in Monearoe Twp	AN0385	Aquatic Life	NJDEP AMNET
Raritan	10	Cranbury Brook at Edgemere Ave in Plainsboro Twp	AN0386	Aquatic Life	NJDEP AMNET
Raritan	10	Devils Brook at New Rd in South Brunswick Twp	AN0387	Aquatic Life	NJDEP AMNET
Raritan	10	Devils Brook at Schalk's Rd in Plainsboro Twp	AN0389	Aquatic Life	NJDEP AMNET
Raritan	10	Duck Pond Run at Clarksville	01401200	Fecal Coliform, Copper, Lead, Zinc	NJDEP/USGS Data
Raritan	10	Etra Lake-10	Etra Lake	Nutrients/Sedimentation (Eutrophic)	NJDEP Clean Lakes Program
Raritan	10	Heathcote Brook at Kingston	01401400	Fecal Coliform	NJDEP/USGS Data
Raritan	10	Millstone River abv Raritan River conf in Franklin Twp	AN0414	Aquatic Life	NJDEP AMNET
Raritan	10	Millstone River at Applegarth Rd in Monearoe Twp	AN0382D	Aquatic Life	NJDEP AMNET
Raritan	10	Millstone River at Blackwells Mills	01402000, 10-MIL-5, 10-MIL-6	Phosphorus, Fecal Coliform, Arsenic	NJDEP/USGS Data, Metal Recon
Raritan	10	Millstone River at Blackwells Mills Rd in Hillsborough Twp	AN0410	Aquatic Life	NJDEP AMNET
Raritan	10	Millstone River at Grovers Mill	01400650	Phosphorus, Fecal Coliform	NJDEP/USGS Data
Raritan	10	Millstone River at Grovers Mills Rd in Plainsboro Twp	AN0382	Aquatic Life	NJDEP AMNET
Raritan	10	Millstone River at Kingston	01401440, 10-MIL-2	Phosphorus, Fecal Coliform, pH, Temperature, Arsenic, Cadmium, Chromium, Lead, Mercury, Zinc	NJDEP/USGS Data, Metal Recon
Raritan	10	Millstone River at Route 33 in Millstone	5	Phosphorus, Fecal Coliform	Monmouth Co HD
Raritan	10	Millstone River at Rt 33 in Millstone Twp	AN0379	Aquatic Life	NJDEP AMNET
Raritan	10	Millstone River at Rt 535 in East Windsor Twp	AN0382B	Aquatic Life	NJDEP AMNET
Raritan	10	Millstone River at Weston	01402540, 10-MIL-3	Phosphorus, Fecal Coliform, pH, Arsenic	NJDEP/USGS Data
Raritan	10	Millstone River near Grovers Mills	01400640	Phosphorus	NJDEP/USGS Data

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Data Source
Raritan	10	Millstone River near Manalapan	01400540, 10-MIL-1	Phosphorus, Fecal Coliform, pH, Total Suspended Solids, Arsenic, Lead	NJDEP/USGS Data, Metal Recon
Raritan	10	Millstone River off Rte 1 in Plainsboro	10-MIL-7	Arsenic	NJDEP/USGS Metal Recon
Raritan	10	Pike Run at Rt 533 in Montgomery Twp	AN0405	Aquatic Life	NJDEP AMNET
Raritan	10	Pike Run near Rocky Hill	01401700	Phosphorus, Fecal Coliform	NJDEP/USGS Data
Raritan	10	Rock Brook at Burnt Hill Rd in Montgomery Twp	AN0400, 10-RO-1	Aquatic Life	NJDEP AMNET, Metal Recon
Raritan	10	Rocky Brook at Perrineville	01400585	Chromium, Lead, Zinc	304(l)

New Jersey's 2002 Integrated List

Sublist 5 With Priority Ranking

This ranked list was prepared pursuant to Sections 303(d) of the
Federal Clean Water Act

State of New Jersey
Department of Environmental Protection
Water Monitoring Management Water
Assessment Team
October 1, 2002

2002 Integrated List 5 with Priority Ranking

Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Lower Delaware	17	4 Seasons Campground Pond-17	Four Seasons	Fecal Coliform	low
Atlantic Coast	15	Absecon Bay	Absecon Bay-1 thru 15	Dissolved Oxygen, Pathogens	medium - DO; low - pathogens
Atlantic Coast	15	Absecon Creek Estuary	2401	Pathogens	low
Atlantic Coast	14	Absegami Lake-14	Absegami Lake	Nutrients/Sedimentation (Eutrophic)	low
Northeast	05	Ackermans Creek Adjacent to Berry's Creek Reach 02030103-034-D.11		Chromium, Mercury, PCB, Chlorinated benzenes	high
Atlantic Coast	14	Albertson Branch near Elm	0140940970	pH	medium
Lower Delaware	18	Alcyon Lake-18	Alcyon Lake	Nutrients/Sedimentation (Eutrophic), Fish-Mercury	Mercury - high; nutrients/sedimentation - low
Lower Delaware	20	Allentown Lake-20	Allentown Lake	Nutrients/Sedimentation (Eutrophic)	low
Lower Delaware	17	Alloway Creek at Yorktown - Friesburg Rd in Alloway Twp	AN0698	Aquatic Life	low
Lower Delaware	17	Alloway Creek Estuary		Pathogens	low
Raritan	09	Ambrose Brook at Raritan Ave in Middlesex	AN0425	Aquatic Life	low
Raritan	09	Ambrose Brook at School St in No. Stenton	AN0425B	Aquatic Life	low
Lower Delaware	20	Annenocken Brook near Jobstown	01464578	Phosphorus, Fecal Coliform	medium to TP, high for FC
Raritan	07	Arthur Kill		Mercury	high
Raritan	07	Arthur Kill	Arthur Kill-4: Raritan Bay	Pathogens	low
Raritan	07	Arthur Kill and Tidal Tributaries		Fish-PCB, Fish-Dioxin	high
Lower Delaware	20	Assiscunk Creek at Cedar Lane at Springfield	20-AS-1	Arsenic, Cadmium, Chromium, Lead, Mercury	high
Lower Delaware	20	Assiscunk Creek at Hedding Rd (near Jacksonville) in Mansfield Twp	AN0141	Aquatic Life	low
Northwest	11	Assumpink Creek at Mulberry St in Trenton	AN0116	Aquatic Life	low
Northwest	11	Assumpink Creek at Peace Street at Trenton	01464020, 11-AS-3	Phosphorus, Fecal Coliform, Arsenic, Copper, Lead, Zinc	medium to TP, high for FC and metals
Northwest	11	Assumpink Creek at Route 539 in Upper Freehold	4	Phosphorus	medium
Northwest	11	Assumpink Creek at Rt 535 in West Windsor Twp	AN0109	Aquatic Life	low
Northwest	11	Assumpink Creek at Trenton	01464000	Phosphorus, Fecal Coliform	medium for TP, high for FC
Northwest	11	Assumpink Creek at Willow St in Trenton	AN0118	Aquatic Life	low
Northwest	11	Assumpink Creek at Windsor Rd in Washington Twp	AN0109A	Aquatic Life	low
Northwest	11	Assumpink Creek near Clarksville	01463620, 11-AS-2	Arsenic, Cadmium, Copper, Lead, Mercury	high

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Northwest	11	Assunpink Creek near Edinburg	11-AS-4	Arsenic, Cadmium, Copper, Lead, Mercury	high
Northwest	11	Assunpink Creek Trib near Assunpink WMA office in Millstone Twp	AN0109T	Aquatic Life	low
Northwest	11	Assunpink Lake-11	Assunpink Lake	Fish-Mercury	high
Atlantic Coast	15	Atlantic City Reservoir-15	Atlantic City Reservoir	Fish-Mercury	high
Atlantic Ocean	Atlantic Ocean	Atlantic Ocean	Atlantic Ocean-1,5,12,13,17,21,22,23,26,38,39,40,42,43,44,45,47,48,51,57,69,70,71,74,78,79,80,81,82,86,87,88,89,90,91,92,94,103,105,106,107,108,112,114,115,118; Atlantic Ocean, Atlantic Ocean-4: Cape May Beach, Atlantic Ocean-7: Cape May Channel, Atlantic Ocean-8: Wildwood Offshore, Atlantic Ocean-16: Atlantic Ocean Sea Isle, Atlantic Ocean-25,35,52,56,61,65; Atlantic City Offshore, Atlantic Ocean-75,93,96,99,101,109,110,111,113,116; Asbury Park Offshore, Atlantic Ocean-83: Mantoloking Offshore	Dissolved Oxygen	medium
Atlantic Ocean	Atlantic Ocean	Atlantic Ocean	Atlantic Ocean-75,93,95,96,97,98,102,104,109,100,116; Asbury Park Offshore, Atlantic Ocean-12: Atlantic Ocean, Atlantic Ocean-16: Atlantic Ocean Sea Isle, Atlantic Ocean-4: Cape May Beach, Atlantic Ocean-6, 53, 59; New Jersey Atlantic Ocean, Atlantic Ocean-7: Cape May Channel, Atlantic Ocean-8: Wildwood Offshore, Atlantic Ocean-83: Mantoloking Offshore,	Pathogens	low
Atlantic Coast	15	Babcock Creek near Mays Landing	01411196	pH	medium
Raritan	08	Back Brook at Rt 609 in East Amwell Twp	AN0335	Aquatic Life	low
Lower Delaware	20	Back Creek at Yardville-Hamilton Sq Rd in Hamilton Twp	AN0131A	Aquatic Life	low
Lower Delaware	20	Bacon Run at Georgetown - Bordentown Rd in Georgetown	AN0133A	Aquatic Life	low
Lower Delaware	20	Bacons Creek near Mansfield Square	01464529	Fecal Coliform, pH	medium for TP, high for FC
Atlantic Coast	14	Ballanger Creek Estuary	2003D, 2003H	Pathogens	low
Atlantic Coast	13	Bamber Lake-13	Bamber Lake - East Lake and West Lake	Fecal Coliform	high
Raritan	09	Barclay Brook near Englishtown	01405285	pH	medium
Lower Delaware	20	Barkers Brook at Jacksonville-Smithville Rd in Springfield Twp	AN01410	Aquatic Life	low
Lower Delaware	20	Barkers Brook N Br near Jobstown	01464583	Phosphorus, Fecal Coliform, pH	medium for TP and pH; high for FC

2002 Integrated List 5 with Priority Ranking

Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Atlantic Coast	13	Barnegat Bay	Barnegat Bay-1,5: Lower Metedaconk R, Barnegat Bay-2: Central Long Beach Island, Barnegat Bay-3,4,11,12,13,16,21: North Long Beach Island, Barnegat Bay-7: Kettle Creek, Barnegat Bay-8: North Barnegat Bay, Barnegat Bay-9: Lavalette, Barnegat Bay-10: Kettle Creek, Barnegat Bay-14,15: Silver Bay, Barnegat Bay-17: Applegate Cove, Barnegat Bay-18: Seaside Heights, Barnegat Bay-19: Shelter Cove, Barnegat Bay-20: Barnegat Bay - Toms River, Barnegat Bay-22: Double Creek, Barnegat Bay-23: North Barnegat Bay, Barnegat Bay-24,41: Barnegat Light, Barnegat Bay-25: East Of Clam Island, Barnegat Bay-26: Oyster Creek, Barnegat Bay-27: Oyster Creek Canal South, Barnegat Bay-28: Oyster Creek Canal North, Barnegat Bay-29: Barnegat Bay - Toms River, Barnegat Bay-30: Barnegat Bay - Seaside, Barnegat Bay-31: Forked River South Branch, Barnegat Bay-33: Sloop Creek, Barnegat Bay-34: West Barnegat Bay, Barnegat Bay-35: Barnegat Bay - Boal Ramp, Barnegat Bay-36: Clamming And Maple Creeks, Barnegat Bay-37: Sunrise Beach, Barnegat Bay-38: Cedar Creek, Barnegat Bay-39: Barnegat Bay, Barnegat Bay	Pathogens	low
Atlantic Coast	12	Barren Neck Brook at Long Bridge Rd in Colts Neck	56	Phosphorus, Fecal Coliform	medium for TP, high for FC
Lower Delaware	17	Barrett Run at W Ave in Bridgeton	AN0714	Aquatic Life	low
Atlantic Coast	14	Bass River E Br near New Gretna	01410150, 14-EBR-1	Dissolved Solids, Copper, Lead, Zinc	medium for TDS, high for metals
Atlantic Coast	14	Bass River Estuary	2007B, 2007C, 2007D, 2007E	Pathogens	low
Atlantic Coast	14	Batsto Lake-14	Batsto Lake	Fish-Mercury	high
Atlantic Coast	14	Batsto River at Batsto	01409500, 14-BAT-1	pH, Copper	medium for pH, high for copper
Atlantic Coast	14	Batsto River at Hampton Furnace	01409432	pH	medium
Atlantic Coast	14	Batsto River at Quaker Bridge	01409470	pH	medium
Raritan	10	Bear Brook at Slobbe Ln in West Windsor Twp	AN0384	Unknown Toxicity	low
Northwest	01	Bear Creek at Dark Moon Rd in Frelinghuysen Twp	AN0040A	Aquatic Life	low
Northwest	01	Bear Creek near Alphano in Allamuchy Twp	AN0040	Aquatic Life	low
Raritan	08	Beaver Brook at Lehigh St in Clinton	AN0324	Aquatic Life	low
Northeast	06	Beaver Brook at Morris Ave in Denville Twp	AN0248	Aquatic Life	low
Northeast	06	Beaver Brook at Rockaway	01380100	Fecal Coliform	high
Northwest	02	Beaver Run at Cemetery Rd in Wantage Twp	AN0301	Aquatic Life	low
Atlantic Coast	13	Beaverdam Creek Estuary	1401C, 1401D, 1600, 1600A, 1600B	Pathogens	low

2002 Integrated List 5 with Priority Ranking

Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Raritan	10	Beden Brook at Great Rd in Blawenburg	AN0401B	Aquatic Life	low
Raritan	10	Bedens Brook at Aunt Molly Rd (abv STP) in Hopewell Twp	AN0398, 10-BED-1	Aquatic Life	low
Raritan	10	Bedens Brook at RI 206 in Montgomery Twp	AN0401	Aquatic Life	low
Raritan	10	Bedens Brook near Rocky Hill	01401600, 10-BED-2, 10-BED-3	Phosphorus, Fecal Coliform, Arsenic, Lead	medium phos. and high for FC and metals
Northeast	03	Belchers Brook at Union Valley Rd in West Milford Twp	AN0255C	Aquatic Life	low
Lower Delaware	18	Bell Lake-18	Bell Lake	Nutrients/Sedimentation (Eutrophic)	low
Lower Delaware	18	Bells Lake-18	Greenwood Park Bells Lake	Fecal Coliform	low
Northeast	05	Berry's Creek Reach 02030103-034		Mercury, Arsenic, Lead, Copper, PCB	high
Lower Delaware	18	Bethel Lake-18	Bethel Lake	Nutrients/Sedimentation (Eutrophic)	low
Raritan	10	Big Bear Brook at Old Trenton Rd (Rt 535) in West Windsor Twp	AN0383	Aquatic Life	low
Atlantic Coast	12	Big Brook at Cross Rd in Colts Neck Twp	AN0470	Aquatic Life	low
Atlantic Coast	12	Big Brook at Laurewood Dr in Colts Neck	57	Phosphorus, Fecal Coliform	medium for TP, high for FC
Atlantic Coast	12	Big Brook at Maywood Drive in Marlboro	21	Phosphorus, Fecal Coliform	medium for TP, high for FC
Atlantic Coast	13	Big Creek Estuary	1924A, 1924B	Pathogens	low
Lower Delaware	18	Big Timber Ck N Br at RI 168 in Gloucester Twp	AN0653	Aquatic Life	low
Lower Delaware	18	Big Timber Creek		Fish-Mercury	high
Lower Delaware	18	Big Timber Creek N Br at Glendora	01467359	Phosphorus, Fecal Coliform	medium for TP, high for FC
Lower Delaware	18	Big Timber Creek N Br at Park Ave in Lindenwold	AN0661	Aquatic Life	low
Lower Delaware	18	Big Timber Creek S Br at Blackwood Terrace	01467329, 18-BIG-1	Phosphorus, Fecal Coliform, Arsenic, Lead	medium for TP, high for FC and metals
Lower Delaware	18	Big Timber Creek S Br at Glenloch	01467327	Fecal Coliform	high
Lower Delaware	18	Big Timber Creek S Br at Turnersville - Sicklerville Rd in Washington Twp	AN0658	Aquatic Life	low
Atlantic Coast	16	Big Timber Lake-16	Big Timber Lake	Fecal Coliform	low
Atlantic Coast	12	Birch Swamp Brook Adjacent to Matawan Creek Reach 02030104-32B-0.42		Arsenic, Lead, Copper, PCB	high
Northeast	06	Black Brook at Madison	01378855	Phosphorus, Fecal Coliform	medium for TP, high for FC

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Northeast	06	Black Brook at New Vernon Rd in Long Hill Twp	AN0223	Aquatic Life	low
Northeast	06	Black Brook at Southern Blvd in Chatham Twp	AN0222	Aquatic Life	low
Northwest	02	Black Creek at Marker Rd in Vernon Twp	AN0296	Aquatic Life	low
Northwest	02	Black Creek near Vernon	01368950	Fecal Coliform	high
Lower Delaware	20	Blacks Creek at Chesterfield - Georgetown Rd in Chesterfield Twp	AN0132	Aquatic Life	low
Lower Delaware	17	Blackwater Br at Main Rd in Franklin Twp	AN0738	Aquatic Life	low
Lower Delaware	17	Blackwater Br at Maurice River Pkwy in Vineland	AN0739	Aquatic Life	low
Lower Delaware	18	Blackwood Lake-1B	Blackwood Lake	Nutrients/Sedimentation (Eutrophic)	low
Atlantic Coast	14	Blue Anchor Brook at Elm	0140940950	pH	medium
Atlantic Coast	12	Bordons Brook at Route 520 in Holmdel	54	Phosphorus, Fecal Coliform	medium for TP, high for FC
Raritan	09	Bound Brook at Bound Brook Rd in Middlesex	AN0424	Aquatic Life	low
Raritan	09	Bound Brook at Middlesex	01403900	Phosphorus, Fecal Coliform, Total Suspended Solids	medium for TP and TSS, high for FC
Raritan	09	Bound Brook at Route 28 at Middlesex	01403395	Phosphorus, Fecal Coliform	medium for TP, high for FC
Raritan	09	Bound Brook at Woodbrook Rd in South Plainfield	AN0424B	Aquatic Life	low
Atlantic Coast	15	Braddock Lake-15	Coilings Lakes #1 (Braddock)	Fecal Coliform	low
Atlantic Coast	12	Branchport Creek at Berdan Pl in Long Branch	45	Fecal Coliform	high
Northeast	03	Bubbling Springs-03	Bubbling Springs	Fecal Coliform	high
Lower Delaware	17	Buckshulam Creek near Laurel Lake	01411950	Fecal Coliform	high
Raritan	08	Budd Lake-08	ML Olive Municipal Beach, Budd Lake	Fecal Coliform	low
Lower Delaware	17	Bumt Mill Br at Forest Grove Rd in Newfield	AN0734A	Aquatic Life	low
Lower Delaware	17	Bumt Mill Lake-17	Bumt Mill Lake	Nutrients/Sedimentation (Eutrophic)	low
Raritan	08	Capepoulin (Capoony) Creek Reach 02030105-043-0.00		DDT	high
Northeast	06	Camp Lewis-06	Camp Lewis	Fecal Coliform	low
Northeast	03	Cannistear Reservoir-03	Cannistear Reservoir	Fish-Mercury	high
Northeast	06	Canoe Brook at Parsonage Hill Rd in Millburn Twp	AN0231D	Aquatic Life	low
Northeast	06	Canoe Brook near Summit	01379530	Fecal Coliform	high
Lower Delaware	17	Canton Drain at Maskell Mill	01413065	pH	medium
Atlantic Coast	13	Carasajo Lake-13	Lake Carasajo North Beach and South Beach	Fecal Coliform	low

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Raritan	10	Carnegie Lake-10	Carnegie Lake	Fish-Mercury	high
Lower Delaware	17	Cedar Br at Italia Ave in Vineland	AN0757	Aquatic Life	low
Atlantic Coast	13	Cedar Bridge Br at Moore Rd in Brick Twp	AN0514	Aquatic Life	low
Raritan	09	Cedar Brook at Cedarbrook Ave. in So. Plainfield	AN0424A	Aquatic Life	low
Lower Delaware	17	Cedar Creek Estuary	3805C, 3805J, 3805L, 3805M	Pathogens	low
Lower Delaware	17	Cedar Lake-17	Cedar Lake	Fecal Coliform	low
Atlantic Coast	13	Cedar Run at Rt 9 in Stafford Twp	AN0556	Aquatic Life	low
Raritan	08	Chambers Brook at North Branch Depot	01399900	Fecal Coliform	high
Lower Delaware	18	Chesnut Br at Mantua Blvd in Mantua Twp	AN0671	Aquatic Life	low
Atlantic Coast	12	Chingora Creek at Broadway in Union Beach	36	Fecal Coliform	high
Atlantic Coast	14	Clarks Mill Stream at Rt 575 in Port Republic	AN0613	Aquatic Life	low
Northwest	02	Clove Brook at Loomis Ave in Sussex	AN0308	Aquatic Life	low
Northwest	01	Clove Brook at Rt 23 in Montague Twp	AN0002	Aquatic Life	low
Northwest	02	Clove Brook UNK Trib at Rose Marrow Ave in Wantage Twp	AN0308	Unknown Toxicity	low
Northwest	01	Clove Lake-01	Clove Lake	Nutrients/Sedimentation (Eutrophic)	low
Lower Delaware	17	Cohansey River at Rt 540 in Upper Deerfield Twp	AN0710	Aquatic Life	low
Lower Delaware	17	Cohansey River at Seeley	01412800, 17-COH-1	Fecal Coliform, Lead	high
Lower Delaware	17	Cohansey River at Silver Lk Rd in Upper Deerfield Twp	AN0712	Aquatic Life	low
Lower Delaware	17	Cohansey River Estuary		Pathogens	low
Northeast	05	Coles Brook at Hackensack	01378560	Phosphorus, Fecal Coliform	medium for TP, high for FC
Atlantic Coast	12	Como Lake-12	Como Lake	Nutrients/Sedimentation (Eutrophic)	low
Lower Delaware	18	Cooper River		Fish-PCB, Fish-Chlordane	high
Lower Delaware	18	Cooper River at Haddonfield	01467150, 18-CO-4	Phosphorus, Fecal Coliform, Arsenic, Lead, Tetrachloroethylene	medium for TP, high for FC, Arsenic, Lead, Tetrachloroethylene
Lower Delaware	18	Cooper River at Lawnside	01467140	Phosphorus, Fecal Coliform, Dissolved Oxygen	medium phos. And DO; high for FC

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Lower Delaware	18	Cooper River at Lindenwold	01467120	Phosphorus, Fecal Coliform	medium phos. and high for FC s
Lower Delaware	18	Cooper River at Rt 130 at Camden	18-CO-1	Arsenic, Lead, Tetrachloroethylene	high
Lower Delaware	18	Cooper River Lake-18	Cooper River Lake	Fish-Chlordane	high
Lower Delaware	18	Cooper River N Br at Kresson	01467155, 18-CO-2	Fecal Coliform	high
Lower Delaware	18	Cooper River N Br at River Dr in Cherry Hill Twp	AND188	Aquatic Life	low
Lower Delaware	18	Cooper River N Br at Springdale Rd in Cherry Hill Twp	AND187	Aquatic Life	low
Lower Delaware	18	Cooper River Park-18	Cooper River Park	Fish-Mercury	high
Lower Delaware	18	Cooper River S Br at Evesham Rd in Cherry Hill Twp	AND190	Aquatic Life	low
Lower Delaware	18	Cooper River S Br at Gibbsboro Rd in Gibbsboro	AND189	Aquatic Life	low
Northwest	11	Copper Creek near Frenchtown	01458710	Fecal Coliform	high
Atlantic Coast	16	Corson Sound	Corson Sound-1,2: Crook Horn Creek, Corson Sound-5,6,9: Corsons Sound, Corson Sound-10,11: Whale Creek, Corson Sound-7: Ludlam Bay, Corson Sound-13: Unnamed Creek	Pathogens	low
Northeast	06	Cozy Lake-06	Cozy Lakers	Fecal Coliform	low
Lower Delaware	20	Crafts Creek at Island Rd in Mansfield Twp	AND136	Aquatic Life	low
Northwest	01	Cranberry Lake-01	Cranberry Lake	Nutrients/Sedimentation (Eutrophic), Fish-Mercury	Nutrients/ Sedimentation low, Mercury - high
Raritan	10	Cranbury Brook near Prospect Plains	01400690	Fecal Coliform, pH	high
Raritan	10	Cranbury Brook at Applegarth Rd in Montecore Twp	AND385	Aquatic Life	low
Raritan	10	Cranbury Brook at Edgemere Ave in Plainsboro Twp	AND386	Aquatic Life	low
Atlantic Coast	15	Cranes Lake-15	Hospitality Creek Campground	Fecal Coliform	low
Atlantic Coast	16	Creese Creek Estuary	3419A, 3500B, 3500C	Pathogens	low
Lower Delaware	20	Crosswicks Creek		Fish-Mercury	high
Lower Delaware	20	Crosswicks Creek at Extonville	01464500, 20-CRO-1	Phosphorus, Fecal Coliform	medium for TP and high for FC
Lower Delaware	20	Crosswicks Creek at Groveville Rd. at Groveville	01464504, 20-CRO-2	Phosphorus, Fecal Coliform	medium for TP and high for FC
Lower Delaware	20	Crosswicks Creek at Main St in Hamilton Twp	AND126	Aquatic Life	low
Lower Delaware	20	Crosswicks Creek at Rt 528 (blw Oakford Lk) in New Egypt	AND121D	Aquatic Life	low
Lower Delaware	20	Crosswicks Creek at Rt 537 in Plumsted Twp	AND121	Aquatic Life	low

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Lower Delaware	20	Crosswicks Creek at Wainford Rd in Upper Freehold	2	Phosphorus, Fecal Coliform	medium for TP and high for FC
Lower Delaware	20	Crosswicks Creek near New Egypt	01464420	Phosphorus	medium
Lower Delaware	20	Crosswicks Creek Trib S at Cookstown - New Egypt Rd in Cookstown	AN0121B	Aquatic Life	low
Lower Delaware	20	Crosswicks Creek UNK Trib at Iron Bridge Rd in Chesterfield Twp	AN0126A	Aquatic Life	low
Lower Delaware	20	Crystal Lake-20	Crystal Lake	Fish-Mercury	high
Atlantic Coast	15	Cushman Lake-15	Collings Lakes #2 (Jays Lake North), Collings Lakes #3 (Jays Lake South)	Fecal Coliform	low
Northeast	03	Dam Brook Trib to Pompton River at Ryerson Rd in Lincoln Park	AN0269	Aquatic Life	low
Raritan	09	Davidsons Mill Pond-09	Davidsons Mill Pond	Nutrients/Sedimentation (Eutrophic), Aquatic Life	low
Northeast	06	Dead River at King George Rd in Bernards Twp	AN0227	Aquatic Life	low
Northeast	06	Dead River near Millington	01379200	Phosphorus, Fecal Coliform, Nitrate, Total Suspended Solids	medium for TP and TSS; and high for FC, nitrate
Atlantic Coast	12	Deal Lake at Ocean Ave in Asbury	1	Fecal Coliform	low
Atlantic Coast	12	Deal Lake-12	Deal Lake	Nutrients/Sedimentation (Eutrophic)	low
Atlantic Coast	12	Debois Creek at Strickland Rd in Freehold Twp	AN0487	Aquatic Life	low
Raritan	09	Deep Run at Rt 516 in Old Bridge Twp	AN0454	Aquatic Life	low
Raritan	09	Deep Run at Rt 9 in Old Bridge Twp	AN0453	Aquatic Life	low
Northeast	04	Deepavaal Brook at Fairfield	01389138	Fecal Coliform	high
Northeast	04	Deepavaal Brook at Lil Falls Ave in Fairfield	AN0271	Aquatic Life	low
Northwest	02	Deer Trail Lake-02	Deer Trail Lake	Fecal Coliform	high
Lower Delaware	17	Delaware Bay	Delaware Bay-2,3,4: Cherry Tree Creek To Artificial Island, Delaware Bay-6: Cohansey Cove, Delaware Bay-7: Back Creek, Delaware Bay-8: Dyer Cove, Delaware Bay-10: Delaware Bay Inshore, Delaware Bay-11: Lower Maurice River, Delaware Bay-12: Dennis Creek, Delaware Bay-14,15: Delaware Bay East	Pathogens	low
Lower Delaware	17	Delaware Bay	Delaware Bay-1 thru 16	Fish-PCB	high
Northwest	01	Delaware River at Easton PA	01447000	Arsenic, Cadmium, Chromium, Copper, Lead, Mercury	high
Northwest	01	Delaware River Zone 1		Fish-Mercury	high

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Lower Delaware	20	Delaware River Zone 1-5 (Yardley, PA -Delaware Bay)		Fish-PCB, Fish-Chlordane	high
Lower Delaware	20	Delaware River Zone 2, 02040201-004		Cadmium, Mercury	high
Lower Delaware	18	Delaware River Zone 3 Reach 02040202-030		Cadmium	high
Lower Delaware	20	Delaware River Zone 3, 02040202-035		Arsenic, Cadmium, Mercury	high
Lower Delaware	20	Delaware River/Estuary (Trenton to head of Delaware Bay)		PCB, DDT, DDE, DDD, Dieldrin; Fish-Mercury, Fish-DDT, Fish-DDE, Fish-DDD, Shellfish-Zinc	high
Atlantic Coast	16	Dennis Creek Trib 2 at Dennisville	01411428	pH	medium
Atlantic Coast	16	Dennisville Lake-16	Dennisville Lake	Nutrients/Sedimentation (Eutrophic)	low
Raritan	10	Devils Brook at New Rd in South Brunswick Twp	AN0387	Aquatic Life	low
Raritan	10	Devils Brook at Schalk's Rd in Plainsboro Twp	AN0389	Aquatic Life	low
Raritan	09	Devoe Lake-09	Devoe Lake	Nutrients/Sedimentation (Eutrophic)	low
Northeast	04	Diamond Brook at Fair Lawn	01389860	Fecal Coliform	high
Atlantic Coast	13	Dinner Point Creek Estuary	1713, 1713A, 1713B	Pathogens	low
Lower Delaware	17	Dividing Creek Estuary	3840B, 3840C, 3840D, 3840E, 3840F	Pathogens	low
Lower Delaware	20	Doctors Creek at Allentown	01484515	Phosphorus, Fecal Coliform	medium for TP and high for FC
Lower Delaware	20	Doctors Creek at Breza Rd in Upper Freehold Twp	AN0129, MB-123	Aquatic Life	low
Lower Delaware	20	Doctors Creek at Route 539 in Upper Freehold	3	Phosphorus	medium
Lower Delaware	20	Doctors Creek at Rt 130 in Hamilton Twp	AN0130	Aquatic Life	low
Lower Delaware	20	Doctors Creek at Sharon Station Rd in Upper Freehold	MB-PARK1	Aquatic Life	low
Lower Delaware	20	Doctors Creek at Spring Rd in Millstone Twp	AN0127A	Aquatic Life	low
Northeast	05	Dorotockys Run on Old Tappan Rd, Old Tappan	5-DOR-1	Arsenic, Mercury	high
Atlantic Coast	13	Double Creek Estuary	1672, 1672A, 1673, 1673A	Pathogens	low
Northwest	02	Double Kill at Waywayanda	01368820	Fecal Coliform	high
Raritan	08	Drakes Brook at Emans Rd in Roxbury Twp	AN0311	Aquatic Life	low
Northwest	01	Dry Brook at Rt 518 near Branchville	01443370	Fecal Coliform	high
Raritan	10	Duck Pond Run at Clarksville	01401200	Fecal Coliform, Copper, Lead, Zinc	high
Northeast	04	Dundee Lake-04	Dundee Lake	Fish-Mercury	high

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Northwest	01	Dunnfield Creek at Dunnfield	01442760	pH	medium
Northeast	05	Dwars Kill on Blanch Ave., Norwood	5-DWA-1	Mercury	high
Atlantic Coast	16	East Creek Lake-16	East Creek Lake	Fish-Mercury	high
Atlantic Coast	16	East Creek Pond-16	East Creek Pond	Fish-Mercury	high
Lower Delaware	17	Eastern Gale Lake-17	Eastern Gale Lake	Fecal Coliform	high
Raritan	07	Echo Lake-07	Echo Lake	Nutrients/Sedimentation (Eutrophic)	low
Raritan	09	Edmunds Creek Adjacent to Mill Brook at 02030105-059-0.00; Trib to Lower Raritan River		PCB	high
Lower Delaware	18	Edwards Run at Jessups Mill Rd in Manlius Twp	AN0674	Aquatic Life	low
Raritan	07	Elizabeth River at Lakeview Rd & Maple Terr in Union Twp	AN0202X	Aquatic Life	low
Raritan	07	Elizabeth River at Summer St in Hillside Twp	AN0204X	Aquatic Life	low
Raritan	07	Elizabeth River at Ursino Lk at Elizabeth	01393450, 7-ELI-2	Phosphorus, Fecal Coliform, Dissolved Solids	medium for TP and TDS; high for FC
Raritan	07	Elizabeth River W Br near Union	01393350, 7-WBE-1	Phosphorus, Fecal Coliform	medium for TP and high for FC
Northeast	03	Erskine Lake-03	Erskine Little Beach, Main Beach, and Upper Beach	Fecal Coliform	low
Raritan	10	Etra Lake-10	Etra Lake	Nutrients/Sedimentation (Eutrophic)	low
Atlantic Coast	16	Fishing Creek at Rt 47 in Middle Twp	AN0771	Aquatic Life	low
Northwest	01	Fiat Brook near Flatbrookville	01440000	Temperature	medium
Atlantic Coast	12	Fiat Creek at Middle Rd in Hazlet Twp	AN0459	Aquatic Life	low
Northeast	03	Forest Hill Lake-03	Forest Hill Park Beach, Forest Hill Park Inlet	Fecal Coliform	low
Lower Delaware	17	Fortescue Creek Estuary	3840L, 3862E, 3862G, 3862H, 3841K, 3841L, 3841M	Pathogens	low
Northwest	01	Fox Hollow Lake-01	Fox Hollow Lake	Fecal Coliform	low
Northeast	06	Foxs Pond-06	Park Lake Beach, Inlet, and Swim Lanes	Fecal Coliform	low
Atlantic Coast	12	Franklin Lake-12	Franklin Lake	Nutrients/Sedimentation (Eutrophic)	low
Lower Delaware	17	Franklinville Lake-17	Franklinville Lake	Fecal Coliform	low
Northwest	01	Furnace Brook at Pequest Rd in White Twp	AN0042	Aquatic Life	low
Northwest	01	Furnace Lake-01	Furnace Lake Beach	Fecal Coliform	low
Lower Delaware	17	Garrison Lake-17	Lake Garrison North and South	Fecal Coliform	low
Northwest	01	Ghost Lake-01	Ghost Lake	Nutrients/Sedimentation (Eutrophic)	low
Lower Delaware	17	Giampietro Lake-17	Giampietro Lake	Nutrients/Sedimentation (Eutrophic)	low
Northeast	04	Goffe Brook at Hawthorne	01389850	Fecal Coliform	high

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Northeast	04	Goffle Brook at Wagaraw Rd in Hawthorne	AN0277	Aquatic Life	low
Atlantic Coast	12	Gravelly Brook at Church St in Aberdeen Twp	AN0457	Aquatic Life	low
Atlantic Coast	12	Gravelly Brook at Lloyd Rd in Marlboro	20	Phosphorus	medium
Atlantic Coast	14	Great Bay	Great Bay-1 thru 6	Dissolved Oxygen	medium
Atlantic Coast	14	Great Bay	Great Bay-1,2,3: Great Bay	Pathogens	low
Northeast	06	Great Brook at Woodland Rd (Gr Swamp WMA) in Harding Twp	AN0219	Aquatic Life	low
Atlantic Coast	15	Great Egg Harbor	Great Egg Harbor-1: Ship Channel, Great Egg Harbor-4: Peck Bay, Great Egg Harbor-5: Bass Harbor, Great Egg Harbor-6: Unnamed Trib, Great Egg Harbor-7: Beach Thorofare, Great Egg Harbor-8: Ship Channel South, Great Egg Harbor-9: Ship Channel, Great Egg Harbor-10: Ocean City Bay, Great Egg Harbor-11: Lower Great Egg Harbor, Great Egg Harbor-13: Palcoog Creek	Pathogens	low
Atlantic Coast	15	Great Egg Harbor River at Camden Co. Park in Berlin	AN0620A	Aquatic Life	low
Atlantic Coast	15	Great Egg Harbor River at Folsom	01411000, 15-GEH-2	pH, Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Zinc	medium for pH; high for metals
Atlantic Coast	15	Great Egg Harbor River at Weymouth	01411110, 15-GEH-3	Fecal Coliform, pH, Copper, Lead	medium for pH; high for F and metals
Atlantic Coast	15	Great Egg Harbor River Estuary		Arsenic, Cadmium, Chromium, Lead, Mercury, Nickel, Zinc	high
Atlantic Coast	15	Great Egg Harbor River Middle Estuary	2807A, 2807B, 2810, 2810A, 2812, 2805, 2806, 2808, 2808A	Pathogens	low
Atlantic Coast	15	Great Egg Harbor River near Sicklerville	01410784, 15-GEH-1	pH, Lead, Mercury	medium for pH; and high for metals
Atlantic Coast	15	Great Egg Harbor River Trib at 2nd Ave in Hammonton	AN0635H	Aquatic Life	low
Atlantic Coast	15	Great Egg Harbor River Upper Estuary	2812B, 2814, 2814A, 2816, 2816A, 2816B, 2818, 2818A, 2819, 2821, 2821A, 2821B, 2821C, 2821D, 2822A, 2823A, 2824A, 2824B, 2825, 2826, 2826A, 2827, 2827A	Pathogens	low
Atlantic Coast	16	Great Sound	Great Sound-1: Gravens Thorofare, Great Sound-5: Long Reach, Great Sound-6: Holmes Cove	Pathogens	low
Atlantic Coast	14	Great Swamp Br Below Rt 206 near Hammonton	0140941070	pH, Nitrate	medium
Raritan	09	Green Brook at Apple Tree Rd. in Watchung Twp.	AN0421B	Aquatic Life	low
Raritan	09	Green Brook at Clinton Ave in North Plainfield	AN0423	Aquatic Life	low
Raritan	09	Green Brook at Main St in Bound Brook	AN0426	Aquatic Life	low
Raritan	09	Green Brook at New Providence Rd. in Seeleys Mill	AN0421A	Aquatic Life	low

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Raritan	09	Green Brook at North Plainfield	01403470	Fecal Coliform	high
Raritan	09	Green Brook at off Mill Rd. in Sebrings Mill	AN0426A	Aquatic Life	low
Raritan	09	Green Brook at Raymond Ave in Plainfield	AN0421	Aquatic Life	low
Atlantic Coast	16	Green Creek at Rt 47 in Middle Twp	AN0770	Aquatic Life	low
Northeast	06	Green Pd Brook at Mt Pleasant Twpk in Wharton	AN0242	Aquatic Life	low
Northeast	03	Greenwood Lake-03	Greenwood Lake	Nutrients/Sedimentation (Eutrophic), Dissolved Oxygen, Phosphorus	nutrients/Sedimentation low; DO and TP-medium
Lower Delaware	18	Grenloch Lake-18	Grenloch Lake	Nutrients/Sedimentation (Eutrophic)	low
Atlantic Coast	13	Ground Hog Brook at Locust Ave in Howell	MB-139	Aquatic Life	low
Atlantic Coast	14	Gun Br at Rt 206 in Hammonton	AN0568G	Aquatic Life	low
Northeast	05	Hackensack River - Tidal		Mercury, Fish-PCB, Fish-Dioxin, Fish-Chlordane	high
Northeast	05	Hackensack River at New Milford	01378500	Phosphorus, Fecal Coliform	TP - medium; FC high
Northeast	05	Hackensack River at Old Tappan	01376970, 5-HAC-2	Arsenic	high
Northeast	05	Hackensack River at Old Tappan Rd in Old Tappan	AN0205	Aquatic Life	low
Northeast	05	Hackensack River at Rivervale	01377000, 5-HAC-3	Fecal Coliform, Arsenic, Chromium, Copper, Lead, Mercury	high
Atlantic Coast	14	Hammonton Creek at Rt 542 in Hammonton	AN0577A AN0577A	Aquatic Life	low
Atlantic Coast	14	Hammonton Creek at Westcoastville	01409416, 14-HAM-2	Phosphorus, Fecal Coliform, pH, Lead, Mercury	TP, pH - medium; FC and metals high
Atlantic Coast	14	Hammonton Lake-14	Hammonton Lake, Hammonton Bathing Beach (Center), (Left), and (Right)	Nutrients/Sedimentation (Eutrophic), Fecal Coliform	Nutrients/Sedimentation low; FC high
Lower Delaware	18	Harrisonville Lake-18	Harrisonville Lake	Nutrients/Sedimentation (Eutrophic)	low
Atlantic Coast	14	Harrisville Lake-14	Harrisville Lake	Fish-Mercury	high
Atlantic Coast	14	Hays Mill Creek at Alco	01409401	pH	medium
Atlantic Coast	14	Hays Mill Creek near Chesilhurst	01409402	pH	medium
Atlantic Coast	13	Haystack Brook at Maxim-Southard Rd (upstream) in Howell	MB-153	Aquatic Life	low
Atlantic Coast	12	Haystack Brook at Maxim-Southard Rd in Howell	18	Fecal Coliform	high
Northwest	02	Healers Pond-02	Healers Pond	Fecal Coliform	low
Raritan	10	Heathcote Brook at Kingston	01401400	Fecal Coliform	high

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Atlantic Coast	12	Hockhockson Brook at Hockhockson Rd in Colls Neck Twp	AN0475	Aquatic Life	low
Northeast	04	Hohokus Brook at Mouth at Paramus	01391100	Fecal Coliform	high
Northeast	04	Hohokus Brook at Park Ave in Allendale	AN0285	Aquatic Life	low
Northeast	04	Hohokus Brook at Spring St in Ridgewood Village	AN0288	Aquatic Life, Unknown Toxicity	low
Atlantic Coast	13	Holiday Lake-13	Ocean Acres Beach	Fecal Coliform	low
Raritan	08	Holland Brook at S Br Rd in Branchburg Twp	AN0343	Aquatic Life	low
Atlantic Coast	12	Hollow Brook at Route 35 in Neptune Twnshp	10	Fecal Coliform	high
Lower Delaware	17	Holly Green Campground Pond-17	Holly Green Campground	Fecal Coliform	low
Atlantic Coast	12	Hooks Creek	Hooks Creek	Nutrients/Sedimentation (Eutrophic)	low
Atlantic Coast	12	Hooks Creek Lake-12	Cheesequake SP Left and Right	Fecal Coliform	low
Atlantic Coast	12	Hop Brook at Roberts Rd in Holmdel Twp	AN0465	Aquatic Life	low
Atlantic Coast	12	Hop Brook at Willow Brook Rd in Holmdel Twp	AN0466	Aquatic Life	low
Atlantic Coast	15	Hospitality Branch at Blue Bell Road near Cecil	01411035	Fecal Coliform, pH	FC - high, pH - medium

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Atlantic Coast	15	Hospitality Branch near Cecil	01411050	pH	medium
Lower Delaware	17	Hudson Branch at Vineland	17-HUD-1	Arsenic, Chromium	high
Northeast	05	Hudson River - NYC & Battery	HR1, HR2	Mercury, Fish-PCB, Fish-Dioxin	high
Northeast	05	Hudson River at G.W. Bridge	HR4	Mercury, Fish-PCB, Fish-Dioxin	high
Northeast	05	Hudson River near Yonkers	HR7	Mercury, Fish-PCB, Fish-Dioxin	high
Northeast	05	Hudson River- NYC Area		Mercury, Fish-PCB, Fish-Dioxin	high
Atlantic Coast	12	Husky Brook at South St in Eatontown	33	Fecal Coliform	high
Lower Delaware	20	Imlaystown Lake-20	Imlaystown Lake	Nutrients/Sedimentation (Eutrophic)	low
Lower Delaware	17	Indian Br at Rt 47 in Franklin Twp	AN0724	Aquatic Life	low
Lower Delaware	17	Indian Br at Sta Rd. in Janvier (Franklin Twp.)	AN0724A	Aquatic Life	low
Lower Delaware	17	Indian Branch near Malaga	01411468	Fecal Coliform	high
Northeast	05	Indian Lake-05	Indian Clubhouse, Indian Franklin, Indian Main	Fecal Coliform	low
Atlantic Coast	14	Indian Mills Brook at Indian Mills	01409449	pH	medium
Lower Delaware	19	Indian Run at Birmingham Rd in Pemberton Twp	AN0151A	Aquatic Life	low
Lower Delaware	17	Indian Run at Husted Sta Rd in Pittsgrove Twp	AN0747	Aquatic Life	low
Northeast	05	Intervale Lake-05	Lake Intervale	Fecal Coliform	low
Lower Delaware	17	Iona Lake-17	Iona Lake	Fecal Coliform	low
Raritan	09	Ireland Brook at Patricks Corners	01404470	pH	medium
Raritan	09	Ireland Brook at Riva Rd in South Brunswick Twp	AN0433	Aquatic Life	low
Northwest	01	Jacksonburg Creek near Blairstown	01443600	Fecal Coliform	high
Northwest	01	Jacobs Creek at Bear Tavern Rd in Hopewell Twp	AN0106A	Aquatic Life	low
Northwest	11	Jacobs Creek at Bear Tavern	01462739	Fecal Coliform	high
Atlantic Coast	16	James Sound	James Sound-1 thru 11	Pathogens	low
Atlantic Coast	16	Jenkins Sound	Jenkins Sound-1 thru 10	Pathogens	low
Atlantic Coast	13	Jesse Creek/Thompson Creek Estuary	1807D	Pathogens	low
Atlantic Coast	16	Jones/Sites/Carino/Taylor Creek Estuary	3603B	Pathogens	low
Lower Delaware	20	Jumping Brook at Bunting Bridge Rd in New Hanover Twp	AN0119	Aquatic Life	low
Atlantic Coast	12	Jumping Brook at Corlies Ave in Neptune Twp	AN0460	Aquatic Life	low
Atlantic Coast	12	Jumping Brook at Green Grove	01407720	pH	medium
Atlantic Coast	12	Jumping Brook near Neptune	01407760	Fecal Coliform, pH	medium for pH and high for FC

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Atlantic Coast	13	Kettle Creek at Moore Rd in Brick Twp	AN0516	Aquatic Life	low
Raritan	07	Kill Van Kull	UH-11	Mercury, Fish-PCB, Fish-Dioxin	high
Raritan	07	Kings Creek		Toxic Discharge	high
Lower Delaware	18	Kirkwood Lake-18	Kirkwood Lake	Nutrients/Sedimentation (Eutrophic)	low
Northeast	03	Kitchell Lake-03	Kitchell Lake Assoc.	Fecal Coliform	low
Northwest	01	Lackawanna Lake-01	Lake Lackawanna: Speers Beach	Fecal Coliform	low
Atlantic Coast	12	Lafairas Brook at Hope Rd in Tinlon Falls	32	Phosphorus, Fecal Coliform	medium for TP and high for FC
Lower Delaware	20	Lahaway Creek at Holmes Mill Rd in Upper Freehold	MB-117	Aquatic Life	low
Lower Delaware	20	Lahaway Creek at New Egypt - Allentown Rd in Upper Freehold Twp	AN0124	Aquatic Life	low
Lower Delaware	20	Lahaway Creek at Rt 537 in Upper Freehold Twp	AN0122	Aquatic Life	low
Atlantic Coast	13	Lake Bamegal-13	Lake Bamegal- Middle Beach	Fecal Coliform	low
Atlantic Coast	13	Lake Carasajlo-13	Lake Carasajlo	Fish-Mercury	high
Northwest	01	Lake Hopatcong-01	Lake Hopatcong, Byram Bay Community Club, Davis Cove, Beck Lane Properties, Crescent Cove, Dox Incorporated, East Shores POA, Elba Point Homeowners, Homeslead Beach, Hopatcong Shores Property, Hopatcong Gardens Comm. Club, Ingram Cove Community, Jewish Center, Lake Forest Yacht Club Beach, Lake Forest Yacht Club Dock, Logan Hills Beach Club, Randal Beach Club, Shady Lawn Beach Club, Sperry Springs, Wildwood Shores POA (Bass Rock Road), Wildwood Shores POA (Lines Ave), Wildwood Shores POA (Pebble Beach), Colony Club, Shawnee Dock Association, Shore Hills, Mt Arlington Beach, Hopatcong SP	Fecal Coliform	low
Northwest	01	Lake Hopatcong-01	Lake Hopatcong	Nutrients/Sedimentation (Eutrophic), Aquatic Life, Fish-Mercury	Nutrient, sedimentation, Aquatic Life -low; mercury - high
Northeast	03	Lake Iosco-03	Lake Iosco	Fecal Coliform	low
Lower Delaware	19	Lake James-19	Kings Grant	Fecal Coliform	low
Atlantic Coast	16	Lake Laurie-16	Lake Laurie Campground	Fecal Coliform	low
Atlantic Coast	15	Lake Lenape-15	Lake Lenape "The Cove", Lenape Park, Lake Lenape	Fecal Coliform, Fish-Mercury	low
Northwest	02	Lake Mohawk-02	Lake Mohawk: Sleepy Lagoon, Alpine Beach, Beach 1, Beach 2, Beach 3, Beach 4, Beach 5, Beach 6, Happy Valley Beach, Manitou Beach, Tamarack Beach	Fecal Coliform	low
Atlantic Coast	14	Lake Mo-Li-Th-Ma-14	Camp Haliwasa	Fecal Coliform	low
Northwest	01	Lake Musconetcong -01	Lake Musconetcong	Nutrients/Sedimentation (Eutrophic)	low
Atlantic Coast	16	Lake Nummy-16	Belleplain SF, Lake Nummy, Center, Left, and Right	Fecal Coliform, Fish-Mercury	FC low; Mercury high

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Northeast	06	Lake Swannanoa-06	Lake Swannanoa Country Club	Fecal Coliform	low
Atlantic Coast	12	Lake Takanassee at Ocean Ave in Elbaron	50	Fecal Coliform	low
Raritan	09	Lake Topanemus at Pond Rd in Freehold	61	Phosphorus, Fecal Coliform	TP- medium; FC high
Atlantic Coast	15	Lakes Bay	Lakes Bay-1 thru 12	Dissolved Oxygen	medium
Atlantic Coast	15	Lakes Bay	Lakes Bay-1,5: Beach Thorofare, Lakes Bay-2,3,7: Risley Channel, Lakes Bay-4: Jonathan Thorofare, Lakes Bay-6, 10: Lakes Bay, Lakes Bay-8: Inside Thorofare, Lakes Bay-9: Hospitality Creek, Lakes Bay-12: Bayshore Lagoon	Pathogens	low
Raritan	08	Lamington River at Burnt Mills	01399780	Phosphorus, Fecal Coliform	medium for TP and high for FC
Raritan	08	Lamington River at Ironia Rd in Chester Twp	AN0356	Aquatic Life	low
Raritan	08	Lamington River near Ironia	01399200	Phosphorus, Fecal Coliform, Dissolved Oxygen	low
Raritan	08	Lamington River near Pottersville	01399500	Phosphorus, Fecal Coliform	medium for TP and high for FC
Atlantic Coast	12	Lanes Creek at Edward's Ave in Long Branch	46	Fecal Coliform	high
Raritan	09	Lawrence Brook at Davidsons Mill Rd in South Brunswick Twp	AN0431	Aquatic Life	low
Raritan	09	Lawrence Brook at Ridge Rd in South Brunswick Twp	AN0430	Aquatic Life	low
Raritan	09	Lawrence Brook at Riva Rd in Milltown	AN0434	Aquatic Life	low
Raritan	09	Lawrence Brook on Davidson's Mill Rd, Black Horse	9-LAW-1	Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Zinc	high
Atlantic Coast	12	Lefferts Lake-12	Lefferts Lake	Aquatic Life	low
Atlantic Coast	15	Lily Lake-15	Lily Lake	Nutrients/Sedimentation (Eutrophic)	low
Northeast	05	Lincoln Park Lake-05	Lincoln Park Lake	Nutrients/Sedimentation (Eutrophic)	low
Northeast	03	Lindy Lake-03	Lindy Lake Association	Fecal Coliform	low
Northeast	03	Lionhead Lake-03	Lions Head Lake	Fecal Coliform	low
Atlantic Coast	14	Little Bay	Little Bay-1: Reeds Bay/Little Bay, Little Bay-2: Reeds Bay/Little Bay	Dissolved Oxygen	medium
Atlantic Coast	14	Little Bay	Little Bay-2: Reeds Bay/Little Bay	Pathogens	low
Lower Delaware	19	Little Creek at Chainville	01465893	pH	medium
Lower Delaware	19	Little Creek at Eayrestown Rd in Lumberton Twp	AN0160	Aquatic Life	low
Lower Delaware	17	Little Ease Run at Grant Ave in Franklin Twp	AN0727	Aquatic Life	low
Lower Delaware	17	Little Ease Run at Leonard Cake Rd in Franklin Twp	AN0728	Aquatic Life	low
Lower Delaware	17	Little Ease Run at Porchtown	01411458	Fecal Coliform, pH	medium for TP and high for FC
Atlantic Coast	13	Little Egg Harbor	Little Egg Harbor-1 thru 4	Dissolved Oxygen	medium

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Atlantic Coast	13	Little Egg Harbor	Little Egg Harbor-2: Tuckerton Creek, Little Egg Harbor-3: Tuckerton Cove, Little Egg Harbor-4: Central Long Beach Island	Pathogens	low
Atlantic Coast	12	Long Brook at Howell Rd in Howell	25	Phosphorus, Fecal Coliform	medium for TP and high for FC
Atlantic Coast	12	Long Brook at Wyckoff Mills	01407868	Fecal Coliform, pH	medium for pH and high for FC
Northwest	01	Lubbers Run at Waterloo Rd (N of Rt 604) in Byram Twp	AN0069A	Aquatic Life	low
Atlantic Coast	16	Ludlams Pond-16	Holly Lake Campground	Fecal Coliform	low
Atlantic Coast	12	Lupatlong Creek at 1st St - Peterson's Marina in Keyport	51	Fecal Coliform	high
Northeast	03	Macopin River	PQ6	Temperature	medium
Northeast	03	Macopin River at Macopin Reservoir	01382450	Fecal Coliform	high
Lower Delaware	17	Major Run at Pointers - Sharptown Rd in Pilesgrove Twp	AN0694	Aquatic Life	low
Lower Delaware	17	Malaga Lake-17	Malaga Lake	Fecal Coliform	low
Atlantic Coast	13	Manahawkin Bay	Manahawkin Bay-1 thru 10	Dissolved Oxygen	medium
Atlantic Coast	13	Manahawkin Bay	Manahawkin Bay-2: Central Long Beach Island, Manahawkin Bay-3: Off Beach Haven West, Manahawkin Bay-4: North Thorofare Island, Manahawkin Bay-5: Millicreek Thorofare, Manahawkin Bay-6: South Thorofare Island, Manahawkin Bay-7: Popular Point, Manahawkin Bay-8: Channel Cove, Manahawkin Bay-9: Mud Cove, Manahawkin Bay-10: Westcunk Creek	Pathogens	low
Atlantic Coast	13	Manahawkin Lake-13	A. Pauling Park Beach	Fecal Coliform	low
Raritan	09	Manalapan Brook at Federal Rd in Monroeville Twp	AN0439	Aquatic Life	low
Raritan	09	Manalapan Brook at Federal Rd near Manalapan	01405340, 9-MAN-1	Phosphorus, Fecal Coliform, pH, Lead	medium for TP and pH; high for FC and lead
Raritan	09	Manalapan Brook at Old Forge Rd in Monroeville Twp	AN0440	Aquatic Life	low
Raritan	09	Manalapan Brook near Spotswood	01405440, 9-MAN-2	Phosphorus, Fecal Coliform, pH, Arsenic, Lead, Zinc	medium for TP, pH and high for FC and metals
Raritan	09	Manalapan Lake-09	Manalapan Lake	Nutrients/Sedimentation (Eutrophic)	low
Lower Delaware	17	Manantico Creek at Hance Bridge Rd in Vineland	AN0759	Aquatic Life	low
Atlantic Coast	12	Manasquan Reservoir-17	Manasquan Reservoir	Fish-Mercury	high
Atlantic Coast	12	Manasquan River at Rt 547 in Howell Twp	AN0493	Aquatic Life	low
Atlantic Coast	12	Manasquan River at Rt 9 in Howell Twp	AN0489	Aquatic Life	low
Atlantic Coast	12	Manasquan River at Squankum	014080000, 12-MA-1, 12-MA-2, 12-MA-3	Phosphorus, Fecal Coliform	medium for TP and high for FC

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Atlantic Coast	12	Manasquan River at W Farms Rd in Howell Twp	AN0490	Aquatic Life	low
Atlantic Coast	12	Manasquan River Estuary	Manasquan River Estuary-1 thru 3	Pathogens	low
Atlantic Coast	12	Manasquan River Estuary	Manasquan River Estuary-3: Manasquan River	Dissolved Oxygen	medium
Atlantic Coast	12	Mannahasset Creek at Mannahasset Ave in Long Branch	48	Fecal Coliform	high
Lower Delaware	18	Manlua Creek at Manlua Ave in Wenonah	AN0672	Aquatic Life	low
Lower Delaware	17	Manumuskin River at Main Ave in Milmay	AN0762A	Aquatic Life	low
Atlantic Coast	15	Maple Run (Asbury Run) at Mill Rd in Egg Harbor Twp	AN0619	Aquatic Life	low
Atlantic Coast	12	Marsh Bog Brook at Preventorium Rd in Howell	24	Fecal Coliform	high
Atlantic Coast	12	Marsh Bog Brook at Squankum	01407997	Phosphorus, Fecal Coliform, pH	medium for TP and pH; high for FC
Lower Delaware	17	Mary Elmer Lake-17	Mary Elmer Lake	Nutrients/Sedimentation (Eutrophic)	low
Lower Delaware	17	Maskell's Mill Pond-17	Maskell's Mill Pond	Fish-Mercury	high
Lower Delaware	18	Masons Creek at Rt 38 in Hainesport Twp	AN0173	Aquatic Life	low
Atlantic Coast	12	Matawan Creek at Amboy Ave in Aberdeen	8	Fecal Coliform	high
Raritan	09	Matchaponix Brook at Englishtown	01405195	Fecal Coliform	high
Raritan	09	Matchaponix Brook at Rt 527 in Manalapan Twp	AN0448	Aquatic Life	low
Raritan	09	Matchaponix Brook at Spotswood	01405302	pH	medium
Raritan	09	Matchaponix Brook at Texas Rd in Monearee Twp	AN0451	Aquatic Life	low
Lower Delaware	17	Maurice River (Scotland Run) at Willow Grove Rd in Vineland	AN0733	Aquatic Life	low
Lower Delaware	17	Maurice River and Cove	3847,3847A,3847B,3847C,3847D,3848,3848A,3848B,3848C,3900A,3900D,3900G,3900H,3900J,3900L,3900M	Fecal Coliform	low
Lower Delaware	17	Maurice River at Norma	01411500	Fecal Coliform, pH	medium for pH and high for FC
Lower Delaware	17	Maurice River at Sherman Ave in Vineland	AN0751	Aquatic Life	low
Lower Delaware	17	Maurice River near Millville	01411800, 17-MAU-1	Fecal Coliform, Arsenic, Lead, Mercury	high
Raritan	09	McGellairds Brook at Rt 527 in Englishtown	AND447	Aquatic Life	low
Raritan	09	McGollard Brook at Main St in Englishtown	22	Phosphorus, Fecal Coliform	medium for TP and high for FC

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Northeast	03	Meadow Brook at Highland Ave in Wanaque	AN0256A	Aquatic Life	low
Lower Delaware	17	Memorial Lake-17	Memorial Lake	Nutrients/Sedimentation (Eutrophic)	low
Northwest	01	Merrill Cr Reservoir-01	Merrill Creek Reservoir	Fish-Mercury	high
Atlantic Coast	13	Metedeconk River Estuary	Metedeconk River Estuary-1: Upper Metedeconk R	Pathogens	low
Atlantic Coast	13	Metedeconk River N Br at Aldrich Rd in Jackson Twp	AN0501	Aquatic Life	low
Atlantic Coast	13	Metedeconk River N Br at Jackson Mills Rd in Freehold	6	Phosphorus, Fecal Coliform	medium for TP and high for FC
Atlantic Coast	13	Metedeconk River N Br at Jackson Mills Rd in Freehold Twp	AN0500	Aquatic Life	low
Atlantic Coast	13	Metedeconk River N Br at Lakewood	01408100	Fecal Coliform, pH, Temperature	medium for pH and Temperature; and high for FC
Atlantic Coast	13	Metedeconk River N Br at Nomoco Rd in Freehold	MB-148	Aquatic Life	low
Atlantic Coast	13	Metedeconk River N Br at Rt 9 in Howell Twp	AN0502	Aquatic Life	low
Atlantic Coast	13	Metedeconk River S Br at Chambers Bridge Rd in Brick Twp	AN0512	Aquatic Life	low
Atlantic Coast	13	Metedeconk River S Br near Laurelton	01408152	Fecal Coliform	high
Atlantic Coast	15	Middle River Estuary	2900E, 2900	Dissolved Oxygen	medium
Atlantic Coast	15	Middle River Estuary	2900A, 2900B, 2900C, 2900D, 2900E	Pathogens	low
Raritan	09	Mile Run at Rt 527 in Franklin Twp	AN0429	Aquatic Life	low
Lower Delaware	19	Mill Creek at Levitt Pkwy in Willingboro Twp	AN0175	Aquatic Life	low
Lower Delaware	17	Mill Creek at Rt 650 in Greenwich Twp	AN0716B	Aquatic Life	low
Atlantic Coast	13	Mill Creek at Rt 72 in Stafford Twp	AN0555	Aquatic Life	low
Raritan	10	Millstone River abv Raritan River conf in Franklin Twp	AN0414	Aquatic Life	low
Raritan	10	Millstone River at Applegarth Rd in Monroeville Twp	AN0382D	Aquatic Life	low
Raritan	10	Millstone River at Blackwells Mills	01402000, 10-MIL-5, 10-MIL-6	Phosphorus, Fecal Coliform, Arsenic	medium for TP and high for FC and arsenic
Raritan	10	Millstone River at Blackwells Mills Rd in Hillsborough Twp	AN0410	Aquatic Life	low
Raritan	10	Millstone River at Grovers Mill	01400650	Phosphorus, Fecal Coliform	medium for TP and high for FC
Raritan	10	Millstone River at Grovers Mills Rd in Plainsboro Twp	AN0382	Aquatic Life	low
Raritan	10	Millstone River at Kingston	01401440, 10-MIL-2	Phosphorus, Fecal Coliform, pH, Temperature, Arsenic, Cadmium, Chromium, Lead, Mercury, Zinc	medium for TP, pH, temperature and high for FC and metals

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Raritan	10	Millstone River at Route 33 in Millstone	5	Phosphorus, Fecal Coliform	medium for TP and high for FC
Raritan	10	Millstone River at Rt 33 in Millstone Twp	AN0379	Aquatic Life	low
Raritan	10	Millstone River at Rt 535 in East Windsor Twp	AN0382B	Aquatic Life	low
Raritan	10	Millstone River at Weston	01402540, 10-MIL-3	Phosphorus, Fecal Coliform, pH, Arsenic	medium for TP and pH; high for FC and arsenic
Raritan	10	Millstone River near Grovers Mills	01400640	Phosphorus	medium
Raritan	10	Millstone River near Manalapan	01400540, 10-MIL-1	Phosphorus, Fecal Coliform, pH, Total Suspended Solids, Arsenic, Lead	medium for TP, pH and TSS and high for FC and metals
Raritan	10	Millstone River off Rte 1 in Plainsboro	10-MIL-7	Arsenic	high
Raritan	08	Mine Brook at Bernardsville Rd in Bernardsville	AN0352	Aquatic Life	low
Atlantic Coast	12	Mine Brook at Creamery Rd in Colts Neck Twp	AN0473	Aquatic Life	low
Raritan	08	Mine Brook at Far Hills Rd (Rt 512) in Far Hills	AN0353	Aquatic Life	low
Atlantic Coast	12	Mingamahone Brook at Rt 524 in Howell Twp	AN0495	Aquatic Life	low
Atlantic Coast	12	Mingamahone Brook near Eate	01408009	Fecal Coliform, pH	medium for pH and high for FC
Lower Delaware	19	Minor Lake-19	Mirror Lake	Fecal Coliform, Fish-Mercury	high
Lower Delaware	20	Miry Run at Meirs Rd in Cream Ridge	AN0125A	Aquatic Life	low
Northwest	11	Miry Run at Route 533 at Mercerville	01463850	Fecal Coliform, pH	medium for pH and high for FC
Northwest	11	Miry Run at Rt 533 in Hamilton Twp	AN0115	Aquatic Life	low
Northeast	04	Molly Ann Brook at Totowa Ave in Paterson	AN0276	Aquatic Life	low
Northeast	03	Monksville Reservoir-03	Monksville Reservoir	Fish-Mercury	high
Lower Delaware	20	Moorhouse Brook Trib S at Moorhouse Rd in New Egypt	AN0121A	Aquatic Life	low
Northeast	03	Morse Lake-03	Morse Lake POA, Morse Lake	Fecal Coliform	low
Northeast	06	Mountain Lake-06	Mountain Lake	Fecal Coliform, Fish-Mercury	high for mercury, low for FC
Atlantic Coast	13	Muddy Ford Brook at Lakewood-Alanwood Rd in Howell	17	Fecal Coliform	high
Raritan	08	Mulhockaway Creek at Van Syckel	01396660, 8-MU-1	Fecal Coliform	high
Atlantic Coast	14	Mullica River		Fish-Mercury	high
Atlantic Coast	14	Mullica River at Green Bank		Phosphorus, Fecal Coliform, pH, Temperature	medium for TP, temp. and pH; high for FC
Atlantic Coast	14	Mullica River at Indian Mills	01409383	Dissolved Oxygen	medium

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Atlantic Coast	14	Mullica River at Outlet of Aislen Lake	01409387, 14-MUL-2	Copper, Lead, Zinc	high
Atlantic Coast	14	Mullica River Estuary	2005, 2002A	Dissolved Oxygen	medium
Atlantic Coast	14	Mullica River Middle Estuary	2004, 2004A, 2004B, 2005, 2005A, 2005B, 2005D, 2006, 2006A, 2006B	Pathogens	low
Atlantic Coast	14	Mullica River near Alco	01409375	pH	medium
Atlantic Coast	14	Mullica River near Batsto	0140940050	pH	medium
Atlantic Coast	14	Mullica River Upper Estuary	2007, 2007A, 2007B, 2007C, 2007D, 2007E, 2008, 2008A, 2008B, 2009, 2009A, 2009B, 2010, 2010A, 2010B, 2010C, 2011, 2011A, 2012, 2012A, 2012B, 2012C, 2013, 2013A, 2013B, 2014, 2015, 2015A, 2015B, 2015C, 2017, 2017A, 2018, 2018A, 2018B, 2018C, 2020, 2020A, 2020B, 2021A, 2021B, 2023A, 2025A, 2027A, 2029, 2029A, 2030, 2030A	Pathogens	low
Northwest	01	Musconetcong River at Lockwood	01455801	Phosphorus, Fecal Coliform, Temperature	Medium for TP and temperature; high for FC
Northwest	01	Musconetcong River at Beathystown	01456200, 1-MUS-3	Fecal Coliform, Temperature, Arsenic	medium for temperature and high for FC and arsenic
Northwest	01	Musconetcong River at Lake Hopalong	01455500	Fecal Coliform, pH, Temperature	medium for pH and Temperature; and high for FC
Northwest	01	Musconetcong River at New Hampton Rd in Lebanon Twp	AN0072	Aquatic Life	low
Northwest	01	Musconetcong River at Riegelsville	01457400, 1-MUS-5	Phosphorus, Fecal Coliform, Temperature	Medium for TP and temperature; high for FC
Northwest	01	Musconetcong River at Rt 206 in Natcong	AN0063A	Aquatic Life	low
Northwest	01	Musconetcong River at Rt 604 (abv Saxton Lk) in Mt Olive Twp	AN0069E	Aquatic Life	low
Northwest	01	Musconetcong River at S of Rt 604 & Rt 80 in Mt Olive Twp	AN0069D	Aquatic Life	low
Northwest	01	Musconetcong River b/w Waterloo Village lower dam in Mt Olive Twp	AN0069C	Aquatic Life	low
Northwest	01	Musconetcong River near Bloomsbury	01457000, 1-MUS-4	Fecal Coliform, pH	low
Northwest	01	Musconetcong River off Rt 604 (b/w Lubbers Run) in Lockwood	AN0069B	Aquatic Life	low
Northeast	05	Musquapsink Brook at River Vale	01377499	Phosphorus, Fecal Coliform	medium for phos. and high for FC
Northeast	05	Musquapsink River at Harrington Ave in Westwood	AN0205	Aquatic Life	low
Atlantic Coast	12	Musquash Brook at Brighton Ave in Neptune Twnshp	11	Fecal Coliform	high
Atlantic Coast	13	Mystic	1925, 1926, 1926A	Pathogens	low
Northeast	04	Naachtunkel Brook at Continental Dr (abv outfall) in Wayne Twp	AN0273A	Aquatic Life	low

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Northeast	04	Naachipunk Brook at Continental Dr (blw outfall) in Wayne Twp	AN0273B	Aquatic Life	low
Atlantic Coast	14	Nacote & Mott Rivers Estuary	2005C, 2005E	Pathogens	low
Lower Delaware	17	Nantuxent Creek Estuary	3804L, 3406P	Pathogens	low
Atlantic Coast	12	Navesink River Estuary	Shrewsbury/Navesink Estuary-1 thru 3	Pathogens	low
Atlantic Coast	14	Nescochagus Creek at Pleasant Mills	01409411	pH	medium
Raritan	08	Neshanic River at Reaville	01398000, 8-NE-1	Phosphorus, Fecal Coliform, pH, Total Suspended Solids, Copper, Lead	medium for TP, pH, TSS and high for FC and metals
Raritan	08	Neshanic River at Reaville - Everitt Rd in Raritan Twp	AN0333	Aquatic Life	low
Raritan	08	Neshanic River at Rt 514 in Hillsborough Twp	AN0337	Aquatic Life	low
Atlantic Coast	15	New Brooklyn Lake-15	New Brooklyn Lake	Nutrients/Sedimentation (Eutrophic), Fish-Mercury	nutrient, sedimentation -low; mercury - high
Raritan	09	New Market Pond-09	New Market Pond	Aquatic Life, Fish-PCB	Aquatic life - low; PCB high
Northwest	11	New Sharon Brook at Sharon Rd in Washington Twp	AN0109B	Aquatic Life	low
Raritan	07	New York Harbor, Upper		Mercury, Fish-PCB, Fish-Dioxin	high
Raritan	07	Newark Bay		Mercury, Fish-PCB, Fish-Dioxin	high
Lower Delaware	18	Newton Creek		Copper, Zinc	high
Lower Delaware	18	Newton Lake-18	Newton Lake	Fish-Chlordane	high
Northwest	11	Nishisakawick Creek near Frenchtown	01458570	Fecal Coliform	high
Lower Delaware	20	North Community Lake	North Community Lake	Aquatic Life	low
Northeast	05	North Hudson Park Lake-05	North Hudson Park Lake	Nutrients/Sedimentation (Eutrophic)	low
Lower Delaware	20	North Run at Main St in North Hanover Twp	AN0120	Aquatic Life	low
Lower Delaware	20	North Run Trib at Highland Ave in Wrightstown	AN0120A	Aquatic Life	low
Atlantic Coast	12	Northern Coastal Waters - Raritan Bay to Barnegat Inlet		Fish-PCB	high
Raritan	07	NYC and Battery	HR1, HR2	Mercury	high
Raritan	08	NY-NJ Harbor wide		PCBs, Dioxin, PAHs, Pesticides	high
Atlantic Coast	13	Ocean County Park Lake-13	Ocean County Park Beach	Fecal Coliform	low
Atlantic Coast	13	Ocean Twp Bathing Beach-13	Ocean Twp Bathing Beach	Fecal Coliform	low
Lower Delaware	17	Old Cedar Lake-17	Old Cedar Lake	Fecal Coliform	low
Atlantic Coast	18	Old Robins Br at Beaver Causeway in Dennis Twp	AN0769	Aquatic Life	low

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Lower Delaware	18	Oldmans Creek at Jassups Mill	01477440	Fecal Coliform	high
Lower Delaware	18	Oldmans Creek at Porches Mill	01477510	Phosphorus, Fecal Coliform	medium for temperature and high for FC and arsenic
Lower Delaware	17	Oranookan Creek Estuary	3867F, 3867J	Pathogens	low
Atlantic Coast	14	Oswego River at Harrisville	01410000, 14-OSW-1	Copper, Zinc	high
Northeast	05	Overpeck Lake-05	Overpeck Lake	Nutrients/Sedimentation (Eutrophic)	low
Northeast	03	Packanack Lake-03	Packanack Lake East and West	Fecal Coliform	low
Lower Delaware	17	Pages Run at Newport	01412200	pH	medium
Northwest	02	Papakating Creek at Pelletown	01367800	Fecal Coliform	high
Northwest	02	Papakating Creek at Rt 565 in Frankford Twp	AN0304	Aquatic Life, Unknown Toxicity	low
Northwest	02	Papakating Creek at Rt 565 in Wantage Twp	AN0307	Aquatic Life	low
Northwest	02	Papakating Creek at Sussex	01367910, 2-PAP-1	Phosphorus, Fecal Coliform, Arsenic	medium Phos. and high for FC and arsenic
Northwest	02	Papakating Creek near Sussex	01367860	Fecal Coliform	high
Northwest	02	Papakating Creek near Wykentown	01367780	Fecal Coliform	high
Northwest	02	Papakating Creek W Br at McCays Corner	01367850	Fecal Coliform	high
Northwest	02	Papakating Creek W Br at Rt 565 in Wantage Twp	AN0306	Aquatic Life	low
Atlantic Coast	13	Parker Run Estuary	1801, 1801A, 1801C, 1801D, 1801F	Pathogens	low
Lower Delaware	19	Parkers Creek at Rt 603 in Mt Laurel	AN0174A	Aquatic Life	low
Northeast	06	Parsippany Lake-06	Lake Parsippany: Hoffman Beach and Johnson Beach, and Drewes Beach	Fecal Coliform	low
Lower Delaware	17	Parsonage Run at Finloy Rd in Upper Deerfield Twp	AN0711	Aquatic Life	low
Lower Delaware	17	Parvin Br at Rt 55 in Vineland	AN0750	Aquatic Life	low
Lower Delaware	17	Parvin Lake-17	Parvin SP, Parvin Lake, Center, Left, and Right	Fecal Coliform	low
Northeast	05	Pascack Brook at Westwood	01377500, 5-PAS-1	Phosphorus, Fecal Coliform, Arsenic, Mercury	medium for phos. and high for FC, mercury and arsenic
Northeast	04	Passaic Estuary		Arsenic, Mercury	high
Northeast	06	Passaic River	Great Piers	Fish-Mercury	high
Northeast	06	Passaic River at Eagle Rock Ave in East Hanover Twp	AN0231	Aquatic Life	low
Northeast	04	Passaic River at Elmwood Pk	01389880, 4-SITE-5	Phosphorus, Fecal Coliform, Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Silver, Thallium, Zinc, Cyanide	medium phos. and high for FC and metals

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Northeast	06	Passaic River at Fairmount Ave in Long Hill	AN0229C	Aquatic Life	low
Northeast	04	Passaic River at Little Falls	01389500, 4-SITE-6, 4-PAS-3	Phosphorus, Fecal Coliform, Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Silver, Thallium, Zinc, Cyanide	medium phos. and high for FC and metals
Northeast	06	Passaic River at Old Mt Pleasant Ave in E Hanover Twp	AN0231B	Aquatic Life	low
Northeast	06	Passaic River at Passaic Ave in Milburn Twp	AN0231A	Aquatic Life	low
Northeast	04	Passaic River at River Rd (Dundee Dam) in Garfield	AN0292D	Aquatic Life	low

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Northeast	06	Passaic River at S Main Ave in Warten Twp	AN0228	Aquatic Life	low
Northeast	04	Passaic River at Singac	01389130, 4-PAS-4	Phosphorus, Fecal Coliform, Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Silver, Thallium, Zinc, Cyanide	medium phos. and high for FC and metals
Northeast	06	Passaic River at Snyder Ave in Berkeley Twp	AN0229B	Aquatic Life	low
Northeast	06	Passaic River at Stanley Ave in Summit	AN0229	Aquatic Life	low
Northeast	06	Passaic River at Summit Ave in Summit	AN0230	Aquatic Life	low
Northeast	06	Passaic River at Two Bridges	01382000, 6-SITE-3	Phosphorus, Fecal Coliform, Arsenic, Chromium, Copper, Lead, Mercury	medium phos. and high for FC and metals
Northeast	06	Passaic River at Walchung Ave in Chatham	AN0230A	Aquatic Life	low
Northeast	06	Passaic River at Willard St in Montville Twp	AN0274A	Aquatic Life	low
Northeast	04	Passaic River Below Pompton River at Two Bridges	01389005	Phosphorus	medium
Northeast	04	Passaic River Lower and Estuary		Fish-PCB, Fish-Chlordane, Fish-Dioxin	high
Northeast	06	Passaic River near Chatham	01379500, 6-SITE-1, 6-PAS-2	Phosphorus, Fecal Coliform, Total Suspended Solids, Arsenic, Cadmium, Copper, Lead, Mercury, Silver, Zinc, Cyanide	medium phos., TSS, and high for FC and metals
Northeast	06	Passaic River near Millington	01379000, 6-SITE-2, 6-PAS-1	Phosphorus, Fecal Coliform, Dissolved Oxygen, Arsenic, Cadmium, Copper, Lead, Mercury, Silver, Zinc, Cyanide	medium phos. and DO; high for FC and metals
Atlantic Coast	15	Patcong River Estuary	2861A, 2862, 2863A, 2863B, 2863C, 2863D, 2863E, 2863G, 2863H, 2863L, 2863M	Dissolved Oxygen, Pathogens	medium for DO and low for pathogens
Northwest	01	Paulins Kill at Balesville	01443440, 1-PAU-1	Fecal Coliform, Arsenic	high
Northwest	01	Paulins Kill at Blairstown	01443500	Fecal Coliform, Temperature	high for FC and medium for temperature
Northwest	01	Paulins Kill at Rt 46 in Knowlton Twp	AN0032	Aquatic Life	low
Northwest	01	Paulins Kill at Rt 853 in Lafayette Twp	AN0015	Aquatic Life	low
Northwest	01	Paulins Kill Lake-01	Paulinskill Lake North(Main), Paulinskill Lake South	Fecal Coliform	low
Northwest	01	Paulins Kill Trib at Rt 94 & Old Beaver Run Rd in Lafayette Twp	AN0016A	Aquatic Life	low
Northwest	01	Paulins Kill Trib at Van Sickie Rd in Lafayette Twp	AN0021A	Aquatic Life	low
Northeast	04	Peckman River at McBride Ave in West Paterson	AN0275	Aquatic Life	low

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Northeast	04	Peckman River at West Patterson	01399600	Fecal Coliform	high
Lower Delaware	18	Pennsauken Creek		Fish-PCB, Fish-Chlordane	high
Lower Delaware	18	Pennsauken Creek N Br		Fish-PCB, Fish-Chlordane	high
Lower Delaware	18	Pennsauken Creek N Br at Fellowship Rd in Mount Laurel Twp	AN0179	Aquatic Life	low
Lower Delaware	18	Pennsauken Creek N Br near Morristown	01467069, 18-PE-1, 18-PE-2	Phosphorus, Fecal Coliform, Arsenic, Lead	medium phos. and high for FC and metals
Lower Delaware	18	Pennsauken Creek S Br		Fish-PCB, Fish-Chlordane	high
Lower Delaware	78	Pennsauken Creek S Br at Cherry Hill	01467081, 18-PE-3	Phosphorus, Fecal Coliform, Total Suspended Solids, Arsenic	medium phos. and TSS; high for FC and arsenic
Lower Delaware	18	Pennsauken Creek S Br at Greentree Rd in Evesham Twp	AN0182	Aquatic Life	low
Lower Delaware	18	Pennsauken Creek S Br at Rt 41 in Cherry Hill Twp	AN0183	Aquatic Life	low
Lower Delaware	18	Pennsauken Creek, Mainstem		Arsenic, Cadmium, Chromium, Copper, Lead, Mercury	high
Northeast	03	Pequannock River - Butler	PQ10	Temperature	medium
Northeast	03	Pequannock River above Clinton	PQ4	Temperature	medium
Northeast	03	Pequannock River above Macopin	PQ7	Temperature	medium
Northeast	03	Pequannock River at Macopin Intake Dam	01382500, 3-SITE-8, 3-PEQ-1, PQ8	Temperature, Lead	medium for temperature and high for lead
Northeast	03	Pequannock River at Rt 23 (abv res) in West Milford Twp	AN0259	Aquatic Life	low
Northeast	03	Pequannock River at Rt 515 in Hardyston Twp	AN0258	Aquatic Life	low
Northeast	03	Pequannock River below Clinton	PQ5	Temperature	medium
Northeast	03	Pequannock River below Paddock	PQ3	Temperature	medium
Northeast	03	Pequannock River Upper		Fish-Mercury	high
Northwest	01	Pequest River at Pequest	01445500, 1-PEQ-2	Phosphorus, Fecal Coliform, Total Suspended Solids	medium phos. and TSS; high for FC
Northwest	01	Pequest River at Rt 206 in Andover Twp	AN0035	Aquatic Life	low
Northwest	01	Pequest River at Rt 206 Below Springdale	01444970	Fecal Coliform	high
Northwest	01	Pequest River on Water Street at Belvidere	01446400, 1-PEQ-3	Phosphorus, Fecal Coliform, pH, Temperature, Arsenic, Cadmium, Chromium, Lead, Mercury	medium for temp. and pH; high for metals
Northwest	01	Pequest River UNK Trib at Brighton Rd in Green Twp	AN0036	Aquatic Life	low
Raritan	09	Peters Brook at Rt 28 at Somerville	01400355	Fecal Coliform	high

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Raritan	09	Peters Brook at Rt 28 in Somerville	AN0378	Aquatic Life	low
Raritan	10	Pike Run at Rt 533 in Montgomery Twp	AN0405	Aquatic Life	low
Raritan	10	Pike Run near Rocky Hill	01401700	Phosphorus, Fecal Coliform	medium phos. and high for FC
Lower Delaware	19	Pine Lake-19	Main Lake Pine Colony Club	Fecal Coliform	low
Atlantic Coast	12	Pine Brook at Hockhockson Rd in Tinton Falls	34	Fecal Coliform	high
Raritan	09	Pine Brook at Pension Rd in Manalapan Twp	AN0449	Aquatic Life	low
Atlantic Coast	12	Pine Brook at Squankum Rd in Macedonia	AN0478A	Aquatic Life	low
Atlantic Coast	12	Pine Brook at Tinton Ave (Rt 537) in Tinton Falls	AN0476	Aquatic Life	low
Atlantic Coast	13	Pine Lake-13	Pine Lake Bathing Beach	Fecal Coliform	low
Northeast	03	Pines Lake-03	Pines Lake South and West	Fecal Coliform	low
Lower Delaware	18	Plank Run at Rt 322 in Harrison Twp	AN0670A	Aquatic Life	low
Lower Delaware	20	Pleasant Run at Extonville Rd in Hamilton Twp	AN0126B	Aquatic Life	low
Raritan	08	Pleasant Run at S Br Rd in Branchburg Twp	AN0340	Aquatic Life	low
Northwest	01	Plum Brook at Pine Hill Rd in Delaware Twp	AN0093	Aquatic Life	low
Northwest	11	Plum Brook near Locktown	01461262	Fecal Coliform	high
Northwest	01	Pohatcong Creek at Buttermilk Bridge Rd in Washington Twp	AN0057	Aquatic Life	low
Northwest	01	Pohatcong Creek at New Village	01455200	Phosphorus, Fecal Coliform, pH, Temperature	medium phos. pH and temperature; high for FC
Northwest	01	Pohatcong Creek at O'Brien Rd in Mansfield Twp	AN0054A	Aquatic Life	low
Northwest	01	Pohatcong Creek at Tunnel Hill Rd in Mansfield Twp	AN0055	Aquatic Life	low
Atlantic Coast	13	Pohatcong/Tuckerton Lake	Pohatcong Lake-13	Eutrophic	low
Atlantic Coast	13	Point Pleasant Canal	1308C	Pathogens	low
Lower Delaware	19	Pompeston Creek at New Albany Rd in Moorestown	AN0177A	Aquatic Life	low
Lower Delaware	18	Pompeston Creek at Rt 130 in Cinnaminson Twp	AN0177	Aquatic Life	low
Northeast	03	Pompton Lake-03	Pompton Lake	Fish-Mercury	high
Northeast	03	Pompton R at Newark Pompton Trpk in Pequannock Twp	AN0268	Aquatic Life, Unknown Toxicity	low
Northeast	03	Pompton River at Pompton Plains	01388500, 3-SITE-7	Lead	high
Northeast	03	Pompton River at Pompton Plains Cross Rd in Pequannock Twp	AN0268A	Aquatic Life, Unknown Toxicity	low
Northwest	11	Pond Run at Rt 533 in Hamilton Twp	AN0117	Aquatic Life	low

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Atlantic Coast	12	Poplar Brook at Deal	01407630, 59	Phosphorus, Fecal Coliform	medium phos. and high for FC
Northeast	06	Powder Mill Pond-06	Tabor Lake Corporation	Fecal Coliform	low
Northeast	04	Preakness Brook at French Hill Rd in Wayne Twp	AN0273	Aquatic Life	low
Northeast	04	Preakness Brook near Little Falls	01389080	Fecal Coliform	high
Lower Delaware	19	Presidential Lakes-19	Presidential Lakes	Fecal Coliform	low

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Atlantic Coast	14	Pump Branch near Waterford Works	01409408	pH	medium
Lower Delaware	18	Raccoon Creek at Ellis Mill Rd in Elk Twp	AN0679	Aquatic Life	low
Lower Delaware	18	Raccoon Creek at Tomlin Sta Rd in Harrison Twp	AN0683	Aquatic Life	low
Lower Delaware	18	Raccoon Creek near Swedesboro	01477120, 18-RAC-1	Phosphorus, Fecal Coliform, Silver	medium phos. and high for FC and silver
Lower Delaware	18	Raccoon Creek S Br at High St in Harrison Twp	AN0582	Aquatic Life	low
Lower Delaware	17	Raccoon Ditch at Davis Mill Rd in Greenwich Twp	AN0708	Aquatic Life	low
Raritan	07	Rahway River at Kenilworth Blvd in Cranford Twp	AN0194	Aquatic Life	low
Raritan	07	Rahway River at Rahway	01395000, 7-RAH-1	Phosphorus, Fecal Coliform, Arsenic	medium phos. and high for FC and arsenic
Raritan	07	Rahway River at River Rd & Church St in Rahway	AN0195	Aquatic Life	low
Raritan	07	Rahway River at Washington Ave (RI 82) in Springfield Twp	AN0193	Aquatic Life	low
Raritan	07	Rahway River near Springfield	01394500	Fecal Coliform	high
Raritan	07	Rahway River S Br at Merrill Park in Woodbridge Twp	AN0201	Aquatic Life	low
Raritan	07	Rahway River S Br at Parsonage Rd in Edison Twp	AN0200	Aquatic Life	low
Raritan	07	Rahway River W Br at Northfield Ave at West Orange	01393980	Phosphorus, Fecal Coliform, Dissolved Solids, Copper, Lead, Zinc	medium phos. and TDS; high for FC and metals
Northeast	06	Rainbow Lakes-06	Rainbow Lakes Comm. Club	Fecal Coliform	low
Atlantic Coast	12	Ramanessin Brook at Willow Rd in Holmdel	53	Phosphorus, Fecal Coliform	medium phos. and high for FC
Northeast	03	Ramapo River near Mahwah	01387500, 3-SITE-9, 3-RAM-1	Phosphorus, Fecal Coliform	medium phos. and high for FC
Northeast	04	Ramsey Brook at Allendale	01390900	Fecal Coliform	high
Northeast	04	Ramsey Brook at Grenadier Dr W of Cortland Tr in Mahwah Twp	AN0286X	Aquatic Life	low
Northeast	04	Ramsey Brook at Masonicus Rd in Mahwah Twp	AN0286	Aquatic Life	low
Northeast	04	Ramsey Brook at Park Ave in Allendale	AN0287	Unknown Toxicity	low
Lower Delaware	19	Rancocas Creek N Br at Browns Mills	01465970	Phosphorus, Fecal Coliform, pH, Mercury	
Lower Delaware	19	Rancocas Creek N Br at Hanover Furnace	01465950, 19-RA-1N	Copper, Mercury	high
Lower Delaware	19	Rancocas Creek N Br at Iron Works Park at Mt Holly	01467005	Phosphorus, pH	medium
Lower Delaware	19	Rancocas Creek N Br at Pemberton	01467000, 19-RA-3N	Copper	high

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non-Attaining)	Ranking
Lower Delaware	19	Rancocas Creek N Br at Pine St at Mt Holly	01467006, 19-RA-4N	Phosphorus, Fecal Coliform, pH, Copper	medium phos. and pH; high for FC and copper
Lower Delaware	19	Rancocas Creek N Br at Pine St Pk in Mount Holly Twp	AN0151	Aquatic Life	low
Lower Delaware	19	Rancocas Creek S Br at Hainesport		Phosphorus, Fecal Coliform	medium phos. and high for FC
Lower Delaware	19	Rancocas Creek S Br at Mt Holly - Eaynestown Rd in Lumberton Twp	AN0161	Aquatic Life	low
Lower Delaware	19	Rancocas Creek S Br at Vincentown	01465850, 19-RA-3S	Phosphorus, pH	medium
Raritan	08	Randolph Park Lake-08	Randolph Park Lake Left Beach, Right Beach, and Swim Lanes	Fecal Coliform	low
Raritan	09	Raritan Bay	Raritan Bay-1 thru 7	Pathogens	low
Raritan	09	Raritan Bay and Tidal Tributaries		Fish-PCB, Fish-Dioxin	high
Raritan	09	Raritan Bay/River		Fish-Mercury	high
Raritan	09	Raritan River (non-tidal)		Mercury	high
Raritan	09	Raritan River abv Millstone River conf in Bridgewater Twp	AN0377	Aquatic Life	low
Raritan	09	Raritan River at Manville	01400500	Phosphorus, Fecal Coliform, pH	medium phos. and pH; high for FC
Raritan	09	Raritan River at Queens Bridge	01403300	Phosphorus, Fecal Coliform, Total Suspended Solids	medium phos. and TSS; high for FC
Raritan	09	Raritan River Estuary		Pathogens	low
Raritan	09	Raritan River Estuary, 02030105-001		Arsenic, Cadmium, Zinc	high
Raritan	09	Raritan River Estuary, 02030105-002		Arsenic, Cadmium, PCB	high
Raritan	08	Raritan River N Br at Burnt Mills	01399120, 8-NB-2	Fecal Coliform, Copper	high
Raritan	08	Raritan River N Br at Roxibus Rd in Mendham Twp	AN0351A	Aquatic Life	low
Raritan	08	Raritan River N Br near Chester	01398260	Fecal Coliform	high
Raritan	08	Raritan River N Br near Raritan	01400000	Phosphorus, Fecal Coliform	medium phos. and high for FC
Raritan	08	Raritan River S Br Arch St at High Bridge	01396535, 8-SB-2	Fecal Coliform, Temperature	medium temp. and high for FC
Raritan	08	Raritan River S Br at Middle Valley	01396260, 8-SB-1	Phosphorus, Fecal Coliform, Temperature	medium phos. and temp.; high for FC
Raritan	08	Raritan River S Br at South Branch	01398102, 8-SB-6	Phosphorus, Fecal Coliform, pH, Arsenic, Chromium, Copper, Lead	medium phos. and pH; high for FC and metals
Raritan	08	Raritan River S Br at Stanton Station	01397000, 8-SB-3	Fecal Coliform, pH, Temperature, Arsenic	medium pH and temperature; high for FC and arsenic
Raritan	08	Raritan River S Br at Station Rd in Raritan Twp	AN0326	Aquatic Life	low
Raritan	08	Raritan River S Br at Three Bridges	01397400, 8-SB-4	Phosphorus, Fecal Coliform	medium phos. and high for FC
Raritan	08	Ravine Lake-08	Ravine Lake (Somerset Lake)	Fecal Coliform	low
Atlantic Coast	15	Reeds Bay	Reeds Bay-1 thru 6	Dissolved Oxygen	medium

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Atlantic Coast	16	Reeds Bay	Reeds Bay-1: Unnamed Creek, Reeds Bay-2: Somers Cove, Reeds Bay-3: Somers Marsh, Reeds Bay-5: Reeds Bay, Reeds Bay-6,8: Reeds Bay/Little Bay	Pathogens	low
Northeast	06	Rickabear Lake-06	Lake Rickabear Beach	Fecal Coliform	low
Atlantic Coast	16	Richardson Sound	Richardson Sound-1: Old Turtle Thorefare, Richardson Sound-2,7: Unnamed Creek, Richardson Sound-3: Old Turtle Thorefare, Richardson Sound-4: Taugh Creek, Richardson Sound-6: Slaughter Gult, Richardson Sound-8: Stinger Creek, Richardson Sound-12: Grassy Sound, Richardson Sound-13: Grassy Sound Channel, Richardson Sound-14: Hoffman Canal, Richardson Sound-15: Wildwood Canal, Richardson Sound-16: Mud Creek	Pathogens	low
Atlantic Coast	13	Ridgeway Br at Rt 70 in Manchester Twp	AN0528	Aquatic Life	low
Raritan	07	Robinson Br at Scotch Plains	01395200	Phosphorus, Fecal Coliform	medium phos. and high for FC
Raritan	07	Robinson Br at St Georges Av at Rahway	01396003, 7-ROB-1	Phosphorus, Fecal Coliform, Arsenic	medium phos. and high for FC and arsenic
Raritan	07	Robinsons Br at Goodmans Crossing in Scotch Plains Twp	AN0186	Aquatic Life	low
Raritan	07	Robinsons Br at Rt 27 in Rahway	AN0199	Aquatic Life	low
Raritan	10	Rock Brook at Burnt Hill Rd in Montgomery Twp	AN0400, 10-RO-1	Aquatic Life	low
Raritan	08	Rockaway Creek at Whitehouse	01399700, 8-RO-1	Phosphorus, Fecal Coliform, pH, Lead, Mercury	medium phos. and pH; high for FC and metals
Raritan	08	Rockaway Creek S Br at Rt 22 in Readington Twp	AN0368	Aquatic Life	low
Northeast	06	Rockaway River		Fish-Mercury	high
Northeast	06	Rockaway River at Berkshire Valley	01379700	Fecal Coliform	high
Northeast	06	Rockaway River at Berkshire Valley Rd in Jefferson Twp	AN0241	Aquatic Life	low
Northeast	06	Rockaway River at Blackwall St	01379853	Fecal Coliform	high
Northeast	06	Rockaway River at Boonton	01380500, 8-SITE-11	Arsenic, Cadmium, Chromium, Lead, Mercury, Selenium, Zinc, Tetrachloroethylene, Trichloroethylene	high
Northeast	06	Rockaway River at Morris Ave in Boonton	AN0250	Aquatic Life	low
Northeast	06	Rockaway River at Pina Brook	01381200, 8-SITE-10, 8-ROC-1	Phosphorus, Fecal Coliform, Lead, Tetrachloroethylene, Trichloroethylene	medium for phos.; high for FC, lead, tetra and trichloroethylene
Raritan	10	Rocky Brook at Parnesville	01400585	Chromium, Lead, Zinc	high
Raritan	10	Rocky Brook at Rt 33 in Hightstown	AN0381	Aquatic Life	low
Raritan	10	Rocky Brook on Rts 130 in Hightstown	10-ROC-2	Chromium, Lead, Zinc	high

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Raritan	10	Rocky Brook on Rte 33 in Hightstown	10-ROC-1	Arsenic, Chromium, Lead, Zinc	high
Raritan	08	Round Valley Reservoir Recreational Area-08	Round Valley Recreational Area	Nutrients/Sedimentation (Eutrophic), Fecal Coliform	nutrients/sedimentation - low; FC high
Raritan	08	Round Valley Reservoir-08	Round Valley Reservoir	Fish-Mercury	high
Atlantic Coast	14	Roundabout Creek Estuary	2001F	Pathogens	low
Raritan	10	Royce Brook at Rt 533 in Manville	AN0413	Aquatic Life	low
Northeast	04	Saddle River at Dunkerhook Rd in Fair Lawn	AN0289	Aquatic Life	low
Northeast	04	Saddle River at E Allendale Ave in Saddle River	AN0281	Aquatic Life, Unknown Toxicity	low
Northeast	04	Saddle River at E Ridgewood Ave in Paramus	AN0282	Aquatic Life, Unknown Toxicity	low
Northeast	04	Saddle River at Fairlawn	01391200, 4-SITE-13, 4-SAD-1	Phosphorus, Fecal Coliform, Unionized Ammonia	medium phos. and unionized ammonia; high for FC
Northeast	04	Saddle River at Grove Street A.	01390518	Fecal Coliform	high
Northeast	04	Saddle River at Lodi	01391500, 4-SITE-12	Phosphorus, Fecal Coliform	medium phos. and high for FC
Northeast	04	Saddle River at Marcellus Pl in Garfield	AN0291	Aquatic Life, Unknown Toxicity	low
Northeast	04	Saddle River at Railroad Ave in Rochelle Park Twp	AN0290	Aquatic Life, Unknown Toxicity	low
Northeast	04	Saddle River at Ridgewood	01390500	pH	medium
Northeast	04	Saddle River at Ridgewood Avenue at Ridgewood	01390510	Fecal Coliform	high
Northeast	04	Saddle River at Rochelle Park	01391490	Phosphorus, Fecal Coliform	medium phos. and high for FC
Northeast	04	Saddle River at Saddle River	01390470	Fecal Coliform	high
Northeast	04	Saddle River W Br at Old Stone Church Rd in Upper Saddle River	AN0280	Aquatic Life	low
Northeast	04	Saddle River W Br at Upper Saddle River	01390445	Fecal Coliform	high
Lower Delaware	17	Salem River at Commissioners Rd (Rt 581) in Upper Pittsgrove Twp	AN0690	Aquatic Life	low
Lower Delaware	17	Salem River at Courses Landing		Phosphorus, Fecal Coliform, Temperature, Dissolved Oxygen	medium phos., temp. and DO; high for FC
Lower Delaware	17	Salem River at Kings Hwy in Pittsgrove Twp	AN0693	Aquatic Life	low
Lower Delaware	17	Salem River at Newkirk Sta Rd in U Pittsgrove Twp	AN0690A	Aquatic Life	low
Lower Delaware	17	Salem River at Woodstown	01482500	Phosphorus, Fecal Coliform	medium phos. and high for FC
Atlantic Coast	16	Savages Run in Eellsplain State Forest	01411441	Fecal Coliform	high
Raritan	08	Second Neshanic River at Rt 31 in Raritan Twp	AN0331	Aquatic Life	low

2002 Integrated List 5 with Priority Ranking

Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Northeast	04	Second River at McCarter Hwy in Belleville	AN0293	Aquatic Life	low
Northwest	01	Seneca Lake-01	Seneca Lake	Fecal Coliform	low
Northwest	11	Shabakunk Creek at Rt 206 in Lawrence Twp	AN0114	Aquatic Life	low
Atlantic Coast	12	Shadow Lake-12	Shadow Lake	Fish-Mercury	high
Atlantic Coast	13	Shannock Brook Trib at Colliers Mills	01408480	pH	medium
Atlantic Coast	12	Shark River at Remsens Mills Rd in Neptune Twp	AN0482	Aquatic Life	low
Atlantic Coast	12	Shark River at Shark River Sta Rd in Wall Twp	AN0481	Aquatic Life	low
Atlantic Coast	12	Shark River Brook at Shark River Station Rd in Tinton Falls	30	Phosphorus	medium
Atlantic Coast	12	Shark River Estuary	Shark River Estuary-1: Shark River	Dissolved Oxygen, Pathogens	DO- medium; pathogens- low
Atlantic Coast	12	Shark River near Neptune	01407705	Phosphorus, Fecal Coliform	medium phos. and high for FC
Lower Delaware	19	Sharps Run at Rt 541 at Medford	01465884	Phosphorus, Fecal Coliform	medium phos. and high for FC
Atlantic Coast	13	Shenandoah Lake-13	Shenandoah Lake	Nutrients/Sedimentation (Eutrophic)	low
Northwest	01	Shipetarkin Creek at Rt 583 in Lawrence Twp	AN0111	Aquatic Life	low
Atlantic Coast	12	Shrewsbury River Estuary	Shrewsbury/Navasink Estuary-4 thru 7	Pathogens	low
Raritan	10	Six Mile Run at Canal Rd in Franklin Twp	AN0409	Aquatic Life	low
Atlantic Coast	15	Skulls Bay	Skulls Bay-1 thru 5	Dissolved Oxygen	medium
Atlantic Coast	15	Skulls Bay	Skulls Bay-2,3: Skulls Bay	Pathogens	low
Northeast	03	Skyline Lakes-03	Skyline Lake Main/Lower Beach and Upper Beach	Fecal Coliform	low
Atlantic Coast	14	Sleeper Branch near Atsion	0140940370	pH	medium
Northeast	06	Slough Brook at Personage Hill Rd in Milburn Twp	AN0231C	Aquatic Life	low
Raritan	09	South River		Arsenic, Cadmium, Chromium, Copper, Lead, Mercury	high
Atlantic Coast	15	South River near Belcoville	01411220	pH	medium
Atlantic Coast	12	Spring Lake-12	Spring Lake	Nutrients/Sedimentation (Eutrophic), Fish-Mercury	nutrients/sedimentation - low; mercury- high
Lower Delaware	20	Spring Lake-20	Spring Lake	Nutrients/Sedimentation (Eutrophic)	low
Atlantic Coast	14	Springers Brook near Hampton Furnace	01409455	pH	medium
Raritan	08	Spruce Run at Clinton	01396500, 8-SP-1	Phosphorus, pH, Temperature, Cadmium	medium for phos., pH and temp.; high for cadmium
Raritan	08	Spruce Run at Newport	01396550	Fecal Coliform, Temperature	medium for temp.; high for FC
Raritan	08	Spruce Run near Glen Gardner	01396580, 8-SP-2	Fecal Coliform, Temperature	medium for temp.; high for FC
Raritan	08	Spruce Run Reservoir-08	Spruce Run Reservoir	Aquatic Life, Fish-Mercury	Aquatic life- low; mercury high
Atlantic Coast	12	Squankum Brook at Easy St & Rt 547 in Howell	MB-16	Aquatic Life	low

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Atlantic Coast	12	Squankum Brook at Easy St in Howell	16	Fecal Coliform	high
Atlantic Coast	14	Stafford Forge Lake-14	Stafford Forge Lake	Fish-Mercury	high
Lower Delaware	18	Stewart Lake-18	Stewart Lake	Fish-Chlordane	high
Lower Delaware	17	Still Run at Lil Mill Rd in Franklin Twp	AN0730	Aquatic Life	low
Lower Delaware	18	Still Run at Union Rd in E Greenwich Twp	AN0675A	Aquatic Life	low
Lower Delaware	17	Still Run near Malaga	01411453	pH	medium
Lower Delaware	18	Still Run near Mickleton	01476600	Fecal Coliform	high
Lower Delaware	18	Stone Bridge Br above Waddell's Bridge in Gloucester Twp	AN0655A	Aquatic Life	low
Lower Delaware	18	Stone Bridge Br below Waddell's Bridge in Gloucester Twp	AN0655B	Aquatic Life	low
Lower Delaware	18	Stone Bridge Br trib at Waddell Farm in Gloucester Twp	AN0655	Aquatic Life	low
Northeast	06	Stony Brook at Boonton	01360320	Fecal Coliform	high
Raritan	10	Stony Brook at Carter Rd. in Lawrence Twp.	AN0393B	Aquatic Life	low
Raritan	08	Stony Brook at Fairview Avenue at Naughton	01396219	Fecal Coliform	high
Raritan	10	Stony Brook at Linvale Rd in Amwell Twp	AN0391A	Aquatic Life	low
Raritan	10	Stony Brook at Mine Rd in Hopewell Twp	AN0391	Aquatic Life	low
Raritan	10	Stony Brook at Old Mill Rd in Hopewell Twp	AN0392	Aquatic Life	low
Raritan	10	Stony Brook at Pennington-Rocky Hill Rd in Hopewell Twp	AN0392A	Aquatic Life	low
Raritan	10	Stony Brook at Princeton	01401000, 10-STO-1, 10-STO-4	Phosphorus, Fecal Coliform, pH, Total Suspended Solids, Arsenic, Copper, Lead	medium phos. pH and TSS; high for FC and metals
Raritan	10	Stony Brook at Province Line Rd. in Princeton Twp.	AN0393A	Aquatic Life	low
Raritan	10	Stony Brook at Rt 206 in Princeton Twp	AN0393	Aquatic Life	low
Raritan	09	Stony Brook at Sunlit Dr. in Watchung Boro.	AN0422A	Aquatic Life	low
Northeast	06	Stony Brook at Valley Rd in Boonton Twp	AN0249	Aquatic Life	low
Raritan	09	Stony Brook at Westend Ave in North Plainfield	AN0422	Aquatic Life	low

2002 Integrated List 5 with Priority Ranking

Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Raritan	10	Stony Brook on Mine Rd in Hopewell Twp. (RF3 02030105-029)	10-STO-3	Arsenic, Cadmium, Chromium, Lead, Mercury, Zinc	high
Lower Delaware	17	Straight Creek Estuary	3869A	Pathogens	low
Lower Delaware	18	Strawbridge Lake-18	Strawbridge Lake	Fish-Chlordane	high
Lower Delaware	19	Sturbridge Lake-19	Chatham Lake	Fecal Coliform	low
Northwest	02	Summit Lake-02	Summit Lake	Fecal Coliform	low
Northeast	06	Sunrise Lake-06	Sunrise Lake	Fecal Coliform	low
Raritan	08	Sunset Lake-08	Sunset Lake	Fecal Coliform	low
Lower Delaware	17	Sunset Lake-17	Sunset Lake	Nutrients/Sedimentation (Eutrophic)	low
Northwest	01	Swartswood Lake-01	Swartswood Lake	Nutrients/Sedimentation (Eutrophic), Fish-Mercury	nubients/ sedimentation - low;mercury- high
Lower Delaware	19	Swedes Run at Garwood Rd in Moorestown	AN0176A	Aquatic Life	low
Lower Delaware	18	Swedes Run at Rt 130 in Delran Twp	AN0176	Aquatic Life	low
Northeast	06	Telemark Lake-06	Lake Telemark	Fecal Coliform	low
Northeast	05	Tenakill Brook at Cedar Lane at Closter	01378387, 5-TEN-2	Fecal Coliform, Arsenic	high
Northeast	05	Tenakill Brook at Cedar Ln in Closter	AN0209	Aquatic Life	low
Northeast	05	Tenakill Brook on Grant Ave, Creskill	5-TEN-1	Lead	high
Raritan	09	Tennent Brook at Old Bridge-South Amboy Rd in Old Bridge Twp	AN0455	Aquatic Life	low
Lower Delaware	17	The Glades	3840K	Pathogens	low
Raritan	06	Third Neshanic River at Rt 31 in Raritan Twp	AN0332	Aquatic Life	low
Northeast	04	Third River at Kingland Ave in Clifton	AN0292	Aquatic Life	low
Northeast	04	Third River at W Passaic Ave in Bloomfield	AN0292A	Aquatic Life	low
Lower Delaware	19	Timber Lake-19	Timber Lake	Fecal Coliform	low
Atlantic Coast	13	Tilmouse Creek at Friendship Rd in Howell	19	Fecal Coliform	high
Northwest	01	Tomahawk Lake-01	Tomahawk Lake (Kiddle Lake Area) and (Large Lake Area)	Fecal Coliform	low
Lower Delaware	18	Toms Dam Br at Peter Cheeseman Rd in Gloucester Twp	AN0658A	Aquatic Life	low

2002 Integrated List 5 with Priority Ranking

Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Atlantic Coast	13	Toms River at Anderson Rd in Jackson Twp	AN0519A	Aquatic Life	low
Atlantic Coast	13	Toms River at Route 537 in Millstone	7	Phosphorus, Fecal Coliform	medium phos. and high for FC
Atlantic Coast	13	Toms River Estuary	Toms River Estuary-1: Toms River, Toms River Estuary-2: Toms River/Barnegat Bay	Pathogens, Arsenic, Copper, Lead, Nickel, Zinc	high
Atlantic Coast	13	Toms River near Toms River	01408500, 13-TOM-1	Fecal Coliform, pH, Lead	medium phos. and high for FC and lead
Atlantic Coast	13	Toms River Trib at Rt 37 in Dover Twp	AN0544	Aquatic Life	low
Raritan	09	Topanemus Lake-09	Topanemus Lake	Nutrients/Sedimentation (Eutrophic)	low
Atlantic Coast	12	Town Brook at Middletown	01407090	Fecal Coliform	high
Lower Delaware	17	Town Swamp Brook at Buckshutem Rd in Fairfield Twp	AN0716A	Aquatic Life	low
Atlantic Coast	16	Townsend Sound	Townsend Sound-1: Clam Thorofare, Townsend Sound-2: Lower Ludlam Thorofare, Townsend Sound-4,5: Townsend Channel	Pathogens	low
Atlantic Coast	12	Trout Brook at Richdale Rd in Collis Neck	55	Fecal Coliform	high
Northwest	01	Trout Brook at Rt 57 in Hackensack Twp	AN0068	Aquatic Life	low
Northwest	01	Trout Brook at Rt 612 in Allamuchy Twp	AN0038	Aquatic Life	low
Atlantic Coast	12	Troutmans Creek at Atlantic Ave in Long Branch	47	Fecal Coliform	high
Atlantic Coast	12	Troutmans Creek at Joline Ave in Long Branch	52	Fecal Coliform	high
Atlantic Coast	15	Tuckahoe River Estuary	2901A, 2901B, 2902, 2902A	Pathogens	low
Atlantic Coast	12	Turkey Swamp Brook below Turkey Swamp Lk in Freehold Twp	AN0489A	Aquatic Life	low
Lower Delaware	17	Two Penny Run near Dancesys Comer	01482560	Phosphorus, Fecal Coliform	medium phos. and high for FC
Atlantic Coast	13	Union Br at Colonial Dr in Manchester Twp	AN0533	Aquatic Life	low
Lower Delaware	17	Union Lake-17	Union Lake	Fish-Mercury	high
Lower Delaware	17	Upper Maurice River Estuary	3900J, 3900I, 3900M	Pathogens	low
Northwest	01	Upper Mohawk Lake-01	Upper Mohawk Lake	Fecal Coliform	low
Lower Delaware	20	Upper Sylvan Lake-20	Sylvan Lake	Fecal Coliform	low
Northeast	04	Valentine Brook at Forest Ave in Allendale	AN0284	Unknown Toxicity	low
Northeast	05	Van Saun Brook at Main St & Rt 4 in Hackensack	AN0211	Aquatic Life	low

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Northeast	04	Verona Park Lake-04	Verona Park Lake	Nutrients/Sedimentation (Eutrophic)	low
Atlantic Coast	12	Wacoack Creek at Highland Ave in Kearsburg	35	Fecal Coliform	high
Atlantic Coast	14	Wading River		Fish-Mercury	high
Atlantic Coast	14	Wading River Estuary	2011B, 2011C	Pathogens	low
Northwest	02	Walkill River at Kennedy Ave in Ogdensburg	AN0299	Aquatic Life	low
Northwest	02	Walkill River at Rt 15 (near municipal bldg) in Sparta Twp	AN0297	Aquatic Life	low
Northwest	02	Walkill River at Rt 565 in Wantage Twp	AN0302	Aquatic Life	low
Northwest	02	Walkill River at Rt 94 in Hamburg	AN0300, 2-WAL-3	Aquatic Life, Arsenic	Aquatic life- low; arsenic high
Northwest	02	Walkill River at Scott Rd in Franklin	01367715, 2-WAL-2, AN0299	Fecal Coliform, Arsenic, Aquatic Life	Aquatic life- low; arsenic and FC high
Northwest	02	Walkill River at Sparta	01367625	Phosphorus, Fecal Coliform, Temperature	medium phos. and temp.; high for FC
Northwest	02	Walkill River near Franklin	01367700, 2-WAL-1	Phosphorus, Fecal Coliform, Arsenic	medium phos. and high for FC and arsenic
Northwest	02	Walkill River near Sussex	01367770, 2-WAL-4	Fecal Coliform, Arsenic	high
Northwest	02	Walkill River near Unionville	01368000, 2-WAL-5	Fecal Coliform, Arsenic	high
Northeast	03	Wanaque Reservoir-03	Wanaque Reservoir	Fish-Mercury	high
Northeast	03	Wanaque River at E Shore Dr in West Milford Twp	AN0255	Unknown Toxicity	low
Northeast	03	Wanaque River at Highland Ave (blw STP) in Wanaque	AN0256	Aquatic Life, Unknown Toxicity	low
Northeast	03	Wanaque River at Pompton Lakes	01387041	Fecal Coliform	high
Northeast	03	Wanaque River at Wanaque	01387000	Phosphorus, Fecal Coliform, Dissolved Oxygen	medium phos. and DO; high for FC
Northeast	03	Wanaque River at Wanaque Ave in Pompton Lakes	AN0257	Unknown Toxicity	low
Northeast	06	Watnong Brook at W Hanover Rd in Morris Twp	AN0234B	Aquatic Life	low
Raritan	09	Weamaconk Creek at Main St (Tennent Rd) in Manalapan	MB-81	Aquatic Life	low
Raritan	09	Weamaconk Creek at Rt 522 in Englishtown	AN0443	Aquatic Life	low
Raritan	09	Weamaconk Lake-09	Weamaconk Lake	Nutrients/Sedimentation (Eutrophic)	low
Raritan	09	Weamaconk Creek at Main St in Manalapan	9	Phosphorus, Fecal Coliform	medium phos. and high for FC
Raritan	07	Weequahic Lake-07	Weequahic Lake	Nutrients/Sedimentation (Eutrophic)	low
Raritan	09	Wenrock Brook at Rt #9 (After 1st Pipe) in Freehold	69	Phosphorus, Fecal Coliform	medium phos. and high for FC
Raritan	09	Wenrock Brook at Rt #9 (Before Pipes) in Freehold	68	Phosphorus, Fecal Coliform	medium phos. and high for FC

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Northeast	06	West Lake-06	Sabey's Beach, West Fayson Lake Main Beach	Fecal Coliform	low
Atlantic Coast	13	Wastecunk Creek Estuary	1712, 1713C, 1714, 1714A	Pathogens	low
Atlantic Coast	12	Whale Pond Brook at Larchwood Ave in Ocean Twp	AN0477	Aquatic Life	low
Atlantic Coast	12	Whale Pond Brook at Route 35 in Eatontown	31	Phosphorus, Fecal Coliform	medium phos. and high for FC
Northeast	06	Whippany River at Edwards Rd in Parsippany-Troy Hills Twp	AN0238	Aquatic Life	low
Northeast	06	Whippany River at Jefferson Rd in Hanover Twp	AN0235	Aquatic Life	low
Northeast	06	Whippany River at Whitehead Rd in Morris Twp	AN0233	Aquatic Life	low
Northeast	06	Whippany River near Pine Brook	01381800, 6-WHI-2	Dissolved Oxygen, Total Suspended Solids, Lead	medium for DO, TSS and high for lead
Lower Delaware	17	White Marsh Run at Rt 555 in Millville	AN0755	Aquatic Life	low
Northeast	06	White Meadow Lake-06	White Meadow Lake 1, 2, and 3	Fecal Coliform	low
Northwest	11	Wickecheoke Creek at Croton	01461220	Fecal Coliform	high
Northwest	11	Wickecheoke Creek at Locktown - Sergeantsville Rd in Delaware Twp	AN0091	Aquatic Life	low
Northwest	11	Wickecheoke Creek at Stockton	01461300	Phosphorus, Fecal Coliform, pH, Temperature, Unionized Ammonia	medium phos. pH, unionized ammonia, and temp.; high for FC
Atlantic Coast	13	Willis Creek Estuary	192B, 1928B	Pathogens	low
Atlantic Coast	12	Willow Brook at Schank Rd in Holmdel Twp	AN0467	Aquatic Life	low
Atlantic Coast	12	Willow Brook at Willow Brook Rd in Colts Neck Twp	AN0468	Aquatic Life	low
Atlantic Coast	12	Willow Brook at Willow Brook Rd in Holmdel	52	Phosphorus, Fecal Coliform	medium phos. and high for FC
Atlantic Coast	12	Willow Brook Trib at Igoe Rd in Marlboro	AN0468A	Aquatic Life	low
Northwest	01	Wills Brook at Acorn St in Mt Olive Twp	AN0064C	Aquatic Life	low
Northwest	01	Wills Brook at Erie Lackawanna RR Bridge in Mt Olive Twp	AN0064B	Aquatic Life	low
Lower Delaware	17	Wilson Lake-17	Wilson Lake	Fecal Coliform, Fish-Mercury	high for mercury, low for FC
Atlantic Coast	14	Winter Creek Estuary	20031	Pathogens	low
Lower Delaware	18	Woodbury Lake-18	Woodbury Lake	Nutrients/Sedimentation (Eutrophic)	low
Lower Delaware	18	Woodstown Mem Lake-18	Woodstown Mem Lake	Fish-Mercury	high
Atlantic Coast	13	Wrangel Brook at Mule Rd in Berkeley Twp	AN0537	Aquatic Life	low
Atlantic Coast	12	Wreck Pond Brook at Allenwood Rd in Wall	14	Fecal Coliform	high

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Region	WMA	Station Name/Waterbody	Site ID #	Parameters (Non Attaining)	Ranking
Atlantic Coast	12	Wreck Pond Brook at Old Mill Rd in Wall Twp	AN0483	Aquatic Life	low
Atlantic Coast	12	Wreck Pond-12	Wreck Pond	Nutrients/Sedimentation (Eutrophic)	low
Atlantic Coast	12	Yellow Brook at Creamery Rd in Colts Neck Twp	AN0472	Aquatic Life	low
Atlantic Coast	12	Yellow Brook near Marlboro	01407360, 12-YEL-1	Fecal Coliform	high
Lower Delaware	17		Gandy's Beach	Fecal Coliform	low
Lower Delaware	18		Lake Silvestro	Fecal Coliform	low
Lower Delaware	19		Camp Darkwaters	Fecal Coliform	low
Lower Delaware	19		Lakeside	Fecal Coliform	low
Northeast	03		Montclair YMCA Near Beach and Far Beach	Fecal Coliform	low
Northeast	06		Community Assoc. of Prospect Point	Fecal Coliform	low
Northeast	08		Conference Center Left and Right	Fecal Coliform	low
Northeast	06		Morris County Park Lake, Beach, Inlet, Outlet,	Fecal Coliform	low
Northwest	01		Green Valley Beach Campground	Fecal Coliform	low
Northwest	02		Glen Lake	Fecal Coliform	low
Northwest	02		Tall Timbers POA	Fecal Coliform	low
Raritan	08		Camp Bemle	Fecal Coliform	low
Raritan	09		Carroll's Garden Lake	Fecal Coliform	low

TMDLs or other responses to be completed by 2004:

CONVENTIONAL POLLUTANTS:

Northeast Region:

Hackensack River (non-tidal) and all tributaries:

Site ID	Station Name	Non-Attainment Parameter(s)			Response(s) by 2004:		
01378560	Coles Brook At Hackensack	Fecal Coliform	Total Phosphorus		FC TMDL		
01378500	Hackensack River At New Milford	Fecal Coliform	Total Phosphorus		monitor to confirm impairment		
01377000	Hackensack River At Rivervale	Fecal Coliform			FC TMDL		
01377499	Musquapsink Brook At River Vale	Fecal Coliform	Total Phosphorus		FC TMDL		
01378387	Tenakill Brook At Cedar Lane At Closter	Fecal Coliform			FC TMDL		

Passaic River (non-tidal) and all tributaries upstream of Paterson (for FC) or upstream of Two Bridges (other conventionals):

Site ID	Station Name	Non-Attainment Parameter(s)			Response(s) by 2004:		
01380100	Beaver Brook At Rockaway	Fecal Coliform			FC TMDL		
01378855	Black Brook At Madison	Fecal Coliform	Total Phosphorus		FC TMDL	TP TMDL	
01379530	Canoe Brook near Summit	Fecal Coliform			FC TMDL		
01379200	Dead River Near Millington	Fecal Coliform	Total Phosphorus	Nitrate	FC TMDL	TP TMDL	Nitrate TMDL
01389138	Deepavaal Brook At Fairfield	Fecal Coliform			FC TMDL		
01379800	Green Pond Brook At Dover	Fecal Coliform			FC TMDL		
01382450	Macopin River At Macopin Reservoir	Fecal Coliform			FC TMDL		
01389005	Passaic R Below Pompton R At Two Br	Total Phosphorus			TP TMDL		
01379500	Passaic River Nr Chatham	Fecal Coliform	Total Phosphorus		FC TMDL	TP TMDL	
01379000	Passaic R Nr Millington	Fecal Coliform	Total Phosphorus	Dissolved Oxygen	FC TMDL	TP TMDL	DO TMDL
01389500	Passaic River At Little Falls	Fecal Coliform	Total Phosphorus		FC TMDL	TP TMDL	
01389130	Passaic River At Signac	Fecal Coliform	Total Phosphorus		FC TMDL	Monitor to confirm impairment	
01382000	Passaic River At Two Bridges	Fecal Coliform	Total Phosphorus		FC TMDL	TP TMDL	
01382500	Pequannock River At Macopin Intake Dam		Temperature			Temp TMDL	
01382800	Pequannock River At Riverdale	Fecal Coliform			FC TMDL		
01388600	Pompton River At Packanack Lake	Fecal Coliform			FC TMDL		
01389080	Preakness Brook Near Little Fa	Fecal Coliform			FC TMDL		
01388100	Ramapo River At Dawes Highway	Fecal Coliform			FC TMDL		
01387500	Ramapo River Near Mahwah	Fecal Coliform			FC TMDL		
01379680	Roackaway River At Longwood Valley	Fecal Coliform			FC TMDL		
01381200	Rockaway R At Pine Brook	Fecal Coliform	Total Phosphorus		FC TMDL	TP TMDL	
01379700	Rockaway River At Berkshire Va	Fecal Coliform			FC TMDL		
01379853	Rockaway River At Blackwell St	Fecal Coliform			FC TMDL		
01380320	Stony Brook At Boonton	Fecal Coliform			FC TMDL		
01387041	Wanaque River At Pompton Lakes	Fecal Coliform			FC TMDL		
01387000	Wanaque River At Wanaque	Fecal Coliform	Total Phosphorus	Dissolved Oxygen	monitor to confirm impairment		
01381500	Whippany R At Morristown	Fecal Coliform			FC TMDL		
01381800	Whippany River Near Pine Brook	Fecal Coliform	Total Phosphorus	Dissolved Oxygen	FC TMDL	TP TMDL	DO TMDL

Saddle River (non-tidal) and all tributaries:							
Site ID	Station Name	Non-Attainment Parameter(s)			Response(s) by 2004:		
01390445	WB Saddle R At Upper Saddle River	Fecal Coliform			FC TMDL		
01390470	Saddle River At Saddle River	Fecal Coliform			FC TMDL		
01390500	Saddle R At Ridgewood	pH					
01390510	Saddle River At Ridgewood Avenue At Ridgewood	Fecal Coliform			FC TMDL		
01390518	Saddle River At Grove Street A	Fecal Coliform			FC TMDL		
01390900	Ramsey Brook At Allendale	Fecal Coliform			FC TMDL		
01391100	Hohokus Brook At Mouth At Paramus	Fecal Coliform			FC TMDL		
01391200	Saddle River At Fairlawn	Fecal Coliform	Total Phosphorus	Ammonia (other list)	monitor to confirm impairment		
01391490	Saddle River At Rochelle Park	Fecal Coliform	Total Phosphorus		FC TMDL		
01391500	Saddle River At Lodi	Fecal Coliform	Total Phosphorus		FC TMDL		
Raritan Region:							
North Branch Raritan River (nontidal) and all tributaries:							
Site ID	Station Name	Non-Attainment Parameter(s)			Response(s) by 2004:		
01398300	Dawsons Brook Near Ironia	fecal coliform			FC TMDL		
01399100	Middle Brook at Bumt Mills	fecal coliform			FC TMDL		
01399900	Chambers Brook at North Branch Depot	fecal coliform			FC TMDL		
Stonybrook/Millstone River (non-tidal)							
01401200	Duck Pond Run at Clarksville	fecal coliform			FC TMDL		
01401400	Heathcote Brook at Kingston	fecal coliform			FC TMDL		
Raritan River (non-tidal) and all tributaries:							
01403470	Green Brook at North Plainfield	fecal coliform			FC TMDL		
01400395	Peters Brook at Rt. 28 at Somerville	fecal coliform			FC TMDL		
Atlantic Coastal Region:							
Manasquan River [non-tidal] and all tributaries:							
Site ID	Station Name	Non-Attainment Parameter(s)			Response(s) by 2004:		
01407868	Long Brook At Wyckoff Mills	Fecal Coliform	pH		FC TMDL	Develop site-specific pH criteria	
01407997	Marsh Bog Brook At Squankum	Fecal Coliform	Total Phosporus	pH	FC TMDL	TP TMDL	Develop site-specific pH criteria
01408000	Manasquan River At Squankum	Fecal Coliform	Total Phosporus		FC TMDL	TP TMDL	
01408009	Mingamahone Brook Near Earle	Fecal Coliform	pH		FC TMDL	Develop site-specific pH criteria	
Lower Delaware Region:							
Rancocas Creek (non-tidal) and all tributaries:							
Site ID	Station Name	Non-Attainment Parameter(s)			Response(s) by 2004:		
01465850	SB Rancocas Ck At Vincentown	Total Phosphorus	pH		TP TMDL,	Develop site-specific pH criteria	
01465884	Sharps Run At Rt 541 At Medford	Fecal Coliform	Total Phosphorus		FC TMDL	TP TMDL	
01465893	Little Creek At Chairville	pH			Develop site-specific pH criteria		
01465970	NB Rancocas Creek At Browns Mills	Fecal Coliform	Total Phosphorus	pH	FC TMDL	TP TMDL	Develop site-specific pH criteria
01467005	NB Rancocas Creek At Iron Works Park At Mt Holly	Total Phosphorus	pH		TP TMDL	Develop site-specific pH criteria	
01467006	NB Rancocas Creek At Pine St At Mt Holly	Fecal Coliform	Total Phosphorus	pH	FC TMDL	TP TMDL	Develop site-specific pH criteria

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Pennsauken Creek (non-tidal) and all tributaries:							
Site ID	Station Name	Non-Attainment Parameter(s)			Response(s) by 2004:		
01467069	NB Pennsauken Ck Nr Morrestown	Fecal Coliform	Total Phosphorus		FC TMDL	TP TMDL	
01467081	SB Pennsauken Ck At Cherry Hill	Fecal Coliform	Total Phosphorus		FC TMDL	TP TMDL	
Cooper River (non-tidal) and all tributaries:							
Site ID	Station Name	Non-Attainment Parameter(s)			Response(s) by 2004:		
01467120	Cooper River At Lindenwold	Fecal Coliform	Total Phosphorus		FC TMDL	TP TMDL	
01467140	Cooper River At Lawnside	Fecal Coliform	Total Phosphorus	DO	FC TMDL	TP TMDL	DO TMDL
01467150	Cooper River At Haddonfield	Fecal Coliform	Total Phosphorus		FC TMDL	TP TMDL	
01467155	North Branch Cooper River At Kresson	Fecal Coliform			FC TMDL		
Northwest Region:							
Wallkill River (non-tidal) and all tributaries:							
Site ID	Station Name	Non-Attainment Parameter(s)			Response(s) by 2004:		
01367625	Wallkill River At Sparta	Fecal Coliform	Total Phosporus	Temperature	FC TMDL	TP TMDL	Temp BMPs
01367700	Wallkill River At Franklin	Fecal Coliform	Total Phosporus	Temperature	FC TMDL	TP monitor to confirm	Temp monitor to confirm impairment
01367715	Wallkill River At Scott Road At Franklin	Fecal Coliform			FC TMDL		
01367770	Wallkill River Near Sussex	Fecal Coliform			FC TMDL		
01367780	Papakating Creek Near Wykertown	Fecal Coliform			FC TMDL		
01367800	Papakating Creek At Pelletown	Fecal Coliform			FC TMDL		
01367850	WB Papakating Creek At McCoys Corner	Fecal Coliform			FC TMDL		
01367860	Papakating Creek Near Sussex	Fecal Coliform			FC TMDL		
01367910	Papakating Creek At Sussex	Fecal Coliform	Total Phosporus		FC TMDL	TP TMDL	
01368000	Wallkill River Nr Unionville	Fecal Coliform			FC TMDL		
01368820	Double Kill At Wawayanda	Fecal Coliform			FC TMDL		
01368950	Black Creek Nr Vernon	Fecal Coliform			FC TMDL		

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METALS:							
Northeast Region:							
Site ID	Station Name	Non-Attainment Parameter(s)					Response
01377000	Hackensack River on Westwood Ave., Rivervale	Chromium	Copper	Lead	Nickel		Monitor to confirm impairment
01382000	Passaic at Two Bridges	Chromium	Copper	Lead	Mercury		Monitor to confirm impairment
01389880	Passaic River at Elmwood Park	Arsenic	Copper	Lead	Mercury	Nickel	Monitor to confirm impairment
01389500	Passaic River at Little Falls	Arsenic	Cadmium	Chromium	Copper	Lead	Monitor to confirm impairment
01389500	Passaic River at Little Falls	Mercury	Silver	Thallium	Zinc		Monitor to confirm impairment
01389110	Passaic River at Singac	Arsenic	Cadmium	Chromium	Copper	Lead	Monitor to confirm impairment
01389110	Passaic River at Singac	Mercury	Silver	Thallium	Zinc		Monitor to confirm impairment
01379500	Passaic River nr Chatham	Arsenic	Cadmium	Copper	Lead	Mercury	Monitor to confirm impairment
01379500	Passaic River nr Chatham	Silver	Zinc				Monitor to confirm impairment
01379000	Passaic River nr Millington	Arsenic	Cadmium	Copper	Lead	Mercury	Monitor to confirm impairment
01379000	Passaic River nr Millington	Silver	Zinc				Monitor to confirm impairment
01387500	Ramapo River nr Mahwah	Chromium					Monitor to confirm impairment
01380500	Rockaway River at Boonton	Cadmium	Chromium	Lead	Mercury	Selenium	Monitor to confirm impairment
01380500	Rockaway River at Boonton	Zinc					Monitor to confirm impairment
01381200	Rockaway River at Pine Brook	Tetrachloroethylen	Trichloroethylene				Monitor to confirm impairment
01381500	Whippany River at Morristown	Chromium					Monitor to confirm impairment
01381800	Whippany River at Pine Brook	Lead					Continue Pb source track down
Raritan Region:							
Site ID	Station Name	Non-Attainment Parameter(s)					Response
01401600	Bedens Brook on Rte 206, Rocky Hill	Lead					Monitor to confirm impairment
01405440	Manalapan Brook at Spotswood	Lead	Zinc				Monitor to confirm impairment
10-MIL-7	Millstone River off Rte 1, Plainsboro	Cadmium	Chromium	Nickel	Selenium	Zinc	Monitor to confirm impairment
10-MIL-2	Millstone River off Rte 27 in Kingston	Arsenic	Cadmium	Chromium	Lead	Mercury	Monitor to confirm impairment
10-MIL-2	Millstone River off Rte 27 in Kingston	Zinc					Monitor to confirm impairment
01399120	N Br Raritan River on Burnt Mills Rd. in Burnt Mil	Copper					Monitor to confirm impairment
01398000	Neshanic River on Reaville-Everitt Rd nr Reaville	Copper					Monitor to confirm impairment
01399700	Rockaway Creek on Lamington Rd nr Whitehouse	Lead	Mercury				Monitor to confirm impairment
10-ROC-1	Rocky Brook on Rte 33 in Hightstown	Chromium	Lead	Zinc			Monitor to confirm impairment
10-ROC-2	Rocky Brook, Rte 130, Hightstown	Chromium	Lead	Zinc			Monitor to confirm impairment
01389102	S Br Raritan River on Studdiford Dr - South Branch	Arsenic	Chromium	Copper	Lead		Monitor to confirm impairment
01396800	Spruce Run in Spruce Run Reservoir at Spruce Run	Cadmium					Monitor to confirm impairment
10-STO-3	Stony Brook on Mine Rd in Hopewell Twp.	Arsenic	Cadmium	Chromium	Lead	Mercury	Monitor to confirm impairment
10-STO-3	Stony Brook on Mine Rd in Hopewell Twp.	Zinc					Monitor to confirm impairment
01401000	Stony Brook on Rte 206, Princeton	Copper	Lead				Monitor to confirm impairment

Atlantic Coastal Region:

Site ID	Station Name	Non-Attainment Parameter(s)					Response
01411000	Great Egg Harbor River @ Folsom	Arsenic	Cadmium	Chromium	Lead	Mercury	Monitor to confirm impairment
01411000	Great Egg Harbor River @ Folsom	Zinc					Monitor to confirm impairment
12-MA-1	Manasquan River @ Hospital Road	Arsenic	Cadmium	Chromium	Copper	Lead	Monitor to confirm impairment
12-MA-1	Manasquan River @ Hospital Road	Mercury	Nickel				Monitor to confirm impairment

Lower Delaware Region:

Site ID	Station Name	Non-Attainment Parameter(s)					Response
17-HUD-1	Hudson Branch @ Vineland	Chromium					Monitor to confirm impairment
17-MAU-1	Maurice River nr Millville	Lead					Monitor to confirm impairment
01412800	Cohansey River at Seeley	Lead					Monitor to confirm impairment
18-CO-1	Cooper River @ Rt 130, Camden	Cadmium	Chromium	Copper	Lead	Mercury	Monitor to confirm impairment
18-CO-1	Cooper River @ Rt 130, Camden	Zinc					Monitor to confirm impairment
18-CO-4	SB. Cooper River, Norcross Avenue	Arsenic	Cadmium	Chromium	Copper	Mercury	Monitor to confirm impairment
18-CO-4	SB. Cooper River, Norcross Avenue	Mercury	Zinc				Monitor to confirm impairment
18-PE-2	NB Pennsauken Creek, Church	Arsenic	Lead				Monitor to confirm impairment
18-PE-3	SB Pennsauken Creek, Greentree Road	Arsenic					Monitor to confirm impairment
01465950	NB Rancocas Creek, below Hanover Lake	Mercury					Monitor to confirm impairment
19-RA-1S	SB Pennsauken Creek, Route 38	Lead					Monitor to confirm impairment
19-RA-2S	SB Pennsauken Creek, Route 70	Lead					Monitor to confirm impairment
20-AS-1	Assiscunk Creek, Cedar Land, Springfield	Arsenic	Cadmium	Chromium	Lead	Mercury	Monitor to confirm impairment

Northwest Region:

Site ID	Station Name	Non-Attainment Parameter(s)					Response
1-PEQ-3	Pequest River on Water St. in Belvidere	Arsenic	Cadmium	Chromium	Lead	Mercury	Monitor to confirm impairment

Table II-1. Data Summary for Total Phosphorus in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment	Comments
01367625	Wallkill River At Sparta	FW2-TM	FW2-NT, FW2-TPC1	12	0.2	0.057	16.7%	Non Attainment	
01367715	Wallkill River At Scott Road At Franklin	FW2-NT		4	0.025	0.025	0.0%	Full Attainment	
01367770	Wallkill River Near Sussex	FW2-NT		23	0.09	0.039	0.0%	Full Attainment	
01367780	Papakating Creek Near Wykertown	FW2-TM	FW2-NT	4	0.08	0.054	0.0%	Full Attainment	
01367800	Papakating Creek At Pelletown	FW2-NT		8	0.049	0.030	0.0%	Full Attainment	
01367850	WB Papakating Ck At McCoys Comer	FW2-NT		4	0.074	0.062	0.0%	Full Attainment	
01367860	Papakating Creek Near Sussex	FW2-NT		4	0.06	0.043	0.0%	Insufficient Data Possibly Full Attainment	
01367910	Papakating Ck At Sussex	FW2-NT		15	0.150	0.070	20.0%	Non Attainment	
01368000	Wallkill R Nr Unionville	FW2-NT		15	0.090	0.052	0.0%	Full Attainment	
01368820	Double Kill At Waywayanda	FW2-NTC1	FW1	12	0.04	0.020	0.0%	Full Attainment	
01368950	Black Creek Nr Vernon	FW2-NT	FW2-TPC1, FW2-TM	15	0.160	0.046	6.7%	Full Attainment	
01376970	Hackensack River At Old Tappan	FW2-NT		4	0.08	0.041	0.0%	Full Attainment	
01377000	Hackensack River At Rivervale	FW2-NT		21	0.13	0.044	4.8%	Full Attainment	
01377499	Musquapsink Brook At River Vale	FW2-NT		8	1.25	0.238	37.5%	Non Attainment	
01377500	Pascack Brook At Westwood	FW2-NT		8	0.132	0.069	25.0%	Non Attainment	
01378387	Tenakill Brook At Cedar Lane At Closter	FW2-NT		4	0.08	0.068	0.0%	Insufficient Data Possibly Full Attainment	
01378560	Coles Brook At Hackensack	FW2-NT/SE1		12	0.285	0.108	33.3%	Non Attainment	
01378780	Primrose Brook At Morristown	FW2-TPC1	FW2-NT	12	0.06	0.019	0.0%	Full Attainment	
01378855	National Park	FW2-NT		8	0.25	0.123	50.0%	Non Attainment	
01379000	Black Brook At Madison	FW2-NT		17	0.280	0.093	29.4%	Non Attainment	
01379200	Passaic R Nr Millington	FW2-NT		16	3.5	1.122	93.8%	Non Attainment	
01379500	Dead River Near Millington	FW2-NT		16	0.900	0.310	93.8%	Non Attainment	
01379530	Passaic R Nr Catham	FW2-NT		4	0.06	0.053	0.0%	Insufficient Data	
01379680	Canoe Brook near Summit	FW2-NT		4	0.08	0.039	0.0%	Full Attainment	
	Rockaway River At Longwood Valley	FW2-NT		4	0.08	0.039	0.0%	Full Attainment	

Table II-1. Data Summary for Total Phosphorus in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment	Comments
01379700	Rockaway River At Berkshire Valley	FW2-NT		4	0.05	0.029	0.0%	Insufficient Data	Additional data for 01379680
01379800	Green Pond Brook At Dover	FW2-NT		4	0.025	0.016	0.0%	Insufficient Data	
01379853	Rockaway River At Blackwell St	FW2-NT		4	0.03	0.021	0.0%	Insufficient Data	
01380100	Beaver Brook At Rockaway	FW2-NT	FW2-TPC1, FW2-TM	12	0.049	0.027	0.0%	Full Attainment	
01380320	Stony Brook At Boonton	FW2-NT		4	0.049	0.028	0.0%	Full Attainment	
01380500	Rockaway R At Boonton	FW2-NT		16	0.050	0.018	0.0%	Full Attainment	
01381050	Crooked Brook Near Towaco	FW2-NT		4	0.035	0.021	0.0%	Full Attainment	
01381200	Rockaway R At Pine Brook	FW2-NT		15	1.400	0.435	73.3%	Non Attainment	
01381500	Whippany R At Morristown	FW2-NT		16	0.200	0.086	31.3%	Non Attainment	
01381800	Whippany River Near Pine Brook	FW2-NT		23	0.63	0.233	73.9%	Non Attainment	
01382000	Passaic River At Two Bridges	FW2-NT		61	1.6	0.453	96.7%	Non Attainment	
01382410	Macopin River At Echo Lake	FW2-NT		7	0.029	0.016	0.0%	Full Attainment	
01382450	Macopin River At Macopin Reservoir	FW2-NT		12	0.06	0.029	0.0%	Full Attainment	
01382500	Pequannock River At Macopin Intake Dam	FW2-TM	FW2-TPC1	23	0.07	0.023	0.0%	Full Attainment	
01382800	Pequannock River At Riverdale	FW2-TMC1		4	0.025	0.014	0.0%	Insufficient Data	Additional data for 01382500
01383505	Wanaque River Near Awosting	FW2-TPC1	FW2-TMC1	4	0.02	0.018	0.0%	Full Attainment	
01387010	Wanaque River At Highland Avenue At Wanaque	FW2-NT		4	0.07	0.040	0.0%	Full Attainment	
01387041	Wanaque River At Pompton Lakes	FW2-NT		4	0.08	0.050	0.0%	Insufficient Data	Additional data for 01387010
01387500	Ramapo River Near Mahwah	FW2-NT		22	0.75	0.163	50.0%	Non Attainment	
01388000	Ramapo R At Pompton Lakes	FW2-NT		13	0.11	0.069	7.7%	Full Attainment	
01388100	Ramapo River At Dawes Highway	FW2-NT		4	0.12	0.088	25.0%	Insufficient Data	Additional data for 01388000
01388500	Pompton River At Pompton Plains	FW2-NT		12	0.17	0.066	8.3%	Full Attainment	
01389005	Passaic R Below Pompton R At Two Br	FW2-NT		14	0.79	0.349	100.0%	Non Attainment	
01389080	Preakness Brook Near Little Fa	FW2-NT		4	0.025	0.014	0.0%	Insufficient Data	
01389138	Deepavaal Brook At Fairfield	FW2-NT		4	0.07	0.058	0.0%	Insufficient Data	

Table II-1. Data Summary for Total Phosphorus in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment	Comments
01389500	Passaic River At Little Falls	FW2-NT		26	1.3	0.385	100.0%	Non Attainment	
01389600	Peckman River At West Patterson	FW2-NT		4	1.9	1.333	100.0%	Insufficient Data	
01389850	Goffle Brook At Hawthorne	FW2-NT		4	0.06	0.038	0.0%	Insufficient Data	
								Insufficient Data Possibly Non	
01389860	Diamond Bk At Fair Lawn	FW2-NT		4	0.109	0.054	25.0%	Attainment	
01389880	Passaic R At Elmwood Pk	FW2-NT		15	0.720	0.270	93.3%	Non Attainment	
								Insufficient Data Possibly Full	
01390445	WB Saddle R At Upper Saddle River	FW2-TPC1		4	0.086	0.052	0.0%	Attainment	
01390470	Saddle River At Saddle River	FW2-NT/SE3	FW2-TPC1, FW2-TM	4	0.05	0.033	0.0%	Full Attainment	confirms w/ historical site
01390500	Saddle R At Ridgewood	FW2-NT/SE3	FW2-TPC1, FW2-TM	32	0.13	0.031	3.1%	Full Attainment	
01390510	Saddle River At Ridgewood Avenue At Ridgewood	FW2-NT/SE3		4	0.04	0.029	0.0%	Full Attainment	confirms w/ historical site
01390518	Saddle River At Grove Street A	FW2-NT/SE3		4	0.05	0.040	0.0%	Insufficient Data	additional data
								Insufficient Data Possibly Full	
01390900	Ramsey Brook At Allendale	FW2-NT/SE2		4	0.05	0.033	0.0%	Attainment	
01391100	Hohokus Brook At Mouth At Paramus	FW2-NT/SE3		4	2.7	1.768	100.0%	Insufficient Data	
01391490	Saddle River At Rochelle Park	FW2-NT/SE3		4	1.1	0.643	100.0%	Non Attainment	
01391500	Saddle River At Lodi	FW2-NT/SE3		23	1.7	0.720	100.0%	Non Attainment	
01393350	WB Elizabeth River Near Union	FW2-NT		4	0.7	0.240	50.0%	Non Attainment	
01393450	Elizabeth R At Ursino Lk At Elizabe	FW2-NT		15	0.240	0.092	33.3%	Non Attainment	
01393960	WB Rahway R. At Northfield Ave. At West Orange	FW2-NT		4	0.31	0.148	50.0%	Non Attainment	
01394500	Rahway River Near Springfield	FW2-NT		23	0.51	0.079	8.7%	Full Attainment	
01395000	Rahway River At Rahway	FW2-NT		22	0.233	0.099	40.9%	Non Attainment	
01395200	Robinson Branch At Scotch Plains	FW2-NT		4	0.38	0.175	75.0%	Non Attainment	
01396003	Robinson Br At St Georges Av At Rahway	FW2-NT		4	0.137	0.106	75.0%	Non Attainment	

Table II-1. Data Summary for Total Phosphorus in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment	Comments
01396219	Stony Brook At Fairview Avenue At Naughtright	FW2-TPC1		4	0.1	0.044	0.0%	Insufficient Data Possibly Full Attainment	
01396280	SB Raritan R At Middle Valley	FW2-TPC1	FW2-TM	15	0.210	0.071	13.3%	Non Attainment	
01396535	SB Raritan R Arch St At High Bridge	FW2-TM		16	0.100	0.042	0.0%	Full Attainment	
01396550	Spruce Run At Newport	FW2-TPC1		12	0.04	0.018	0.0%	Full Attainment	
01396588	Spruce Run Nr Glen Gardner	FW2-TMC1	FW2-TPC1	16	0.110	0.027	6.3%	Full Attainment	
01396660	Mulhockaway Creek At Van Syckel	FW2-TPC1		23	0.65	0.049	8.7%	Full Attainment	
01397000	SB Raritan R At Stanton Station	FW2-TM		15	0.050	0.021	0.0%	Full Attainment	
01397400	SB Raritan R At Three Bridges	FW2-NT		15	0.210	0.127	60.0%	Non Attainment	
01398000	Neshanic River At Reaville	FW2-NT	FW2-TM	95	0.68	0.086	17.9%	Non Attainment	
01398070	SB Raritan River At Neshanic Station	FW2-NT	FW2-TM	4	0.08	0.060	0.0%	Insufficient Data Possibly Full Attainment	
01398102	SB Raritan River At South Branch	FW2-NT	FW2-TM	12	0.15	0.087	33.3%	Non Attainment	
01398260	NB Raritan R Nr Chester	FW2-TPC1		14	0.100	0.036	0.0%	Full Attainment	
01398300	Dawsons Brook Near Ironia	FW2-TPC1		4	0.005	0.005	0.0%	Full Attainment	
01399100	Middle Brook At Burnt Mills	FW2-NT		4	0.201	0.082	25.0%	Insufficient Data Possibly Non Attainment	
01399120	NB Raritan R At Burnt Mills	FW2-NT		15	0.090	0.025	0.0%	Full Attainment	
01399500	Lamington (Black)R Nr Pottersville	FW2-TPC1	FW2-TMC1, FW2-NTC1	16	0.214	0.049	12.5%	Non Attainment	
01399700	Rockaway Ck At Whitehouse	FW2-NT	FW2-TM	15	0.310	0.077	20.0%	Non Attainment	
01399780	Lamington River At Burnt Mills	FW2-NT	FW2-TPC1, FW2-TM	23	0.392	0.080	21.7%	Non Attainment	
01399900	Chambers Brook At North Branch Depot	FW2-NT		4	0.181	0.092	25.0%	Insufficient Data Possibly Non Attainment	
01400000	North Branch Raritan River Near Raritan	FW2-NT		12	0.262	0.079	16.7%	Non Attainment	
01400395	Peters Brook At Rt 28 At Somerville	FW2-NT		4	0.11	0.058	25.0%	Insufficient Data Possibly Non Attainment	

Table II-1. Data Summary for Total Phosphorus in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment	Comments
01400500	Raritan R At Manville	FW2-NT		14	0.110	0.057	14.3%	Non Attainment	
01400540	Millstone R Nr Manalapan	FW2-NT		15	0.460	0.120	26.7%	Non Attainment	
01400585	Rocky Brook At Perrineville	FW2-NT		8	0.054	0.024	0.0%	Full Attainment	
01400640	Millstone River Near Grovers M	FW2-NT		8	0.2	0.133	75.0%	Non Attainment	combine w/ 01400650
01400650	Millstone River At Grovers Mill	FW2-NT		9	0.18	0.118	66.7%	Non Attainment	combine w/ 01400640
01400690	Cranbury Brook Near Prospect Plains	FW2-NT		4	0.03	0.026	0.0%	Full Attainment	
01401000	Stony Brook At Princeton	FW2-NT		42	0.6	0.110	33.3%	Non Attainment	
01401200	Duck Pond Run at Clarksville	FW2-NT		4	0.162	0.068	25.0%	Insufficient Data Possibly Non Attainment	
01401400	Heathcote Brook At Kingston	FW2-NT		12	0.066	0.038	0.0%	Full Attainment	
01401600	Bedens Brook Nr Rocky Hill	FW2-NT		16	0.321	0.093	25.0%	Non Attainment	
01401700	Pike Run Near Rocky Hill	FW2-NT		4	0.12	0.080	50.0%	Non Attainment	
01402000	Millstone River At Blackwells Mills	FW2-NT		21	0.64	0.298	100.0%	Non Attainment	
01403300	Raritan R At Queens Bridge	FW2-NT		67	0.640	0.235	88.1%	Non Attainment	
01403385	Bound Brook At Route 28 At Middlesex	FW2-NT		12	0.3	0.131	50.0%	Non Attainment	
01403470	Green Brook At North Plainfield	FW2-TM	FW2-NT	4	0.05	0.019	0.0%	Full Attainment	
01403900	Bound Bk At Middlesex	FW2-NT		53	0.386	0.081	24.5%	Non Attainment	
01404470	Ireland Brook At Patricks Corners	FW2-NT		4	0.06	0.038	0.0%	Insufficient Data Possibly Full Attainment	
01405195	Matchaponix Brook At Englishtown	FW2-NT		4	0.05	0.045	0.0%	Insufficient Data Possibly Full Attainment	
01405285	Barclay Bk Near Englishtown	FW2-NT		4	0.013	0.008	0.0%	Full Attainment	
01405302	Matchaponix Bk At Spotswood	FW2-NT		15	0.080	0.028	0.0%	Full Attainment	
01405340	Manalapan Brook At Federal Rd Nr Manalapan	FW2-NT		22	0.43	0.083	22.7%	Non Attainment	
01407090	Town Brook At Middletown	FW2-NT/SE1		4	0.1	0.063	0.0%	Insufficient Data Possibly Full Attainment	
01407360	Yellow Brook Near Malboro	FW2-NT		4	0.05	0.039	0.0%	Full Attainment	

Table II-1. Data Summary for Total Phosphorus in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment	Comments
01407630	Poplar Brook At Deal	FW2-NT/SE1		4	0.412	0.231	100.0%	Non Attainment	
01407720	Jumping Brook At Green Grove	FW2-NT/SE1		4	0.061	0.028	0.0%	Full Attainment	
01407868	Long Brook At Wyckoff Mills	FW2-NT		12	0.3	0.072	8.3%	Full Attainment	
01407997	Marsh Bog Brook At Squankum	FW2-NT		4	0.08	0.053	0.0%	Insufficient Data Possibly Full Attainment	Listed on 1998 303(d) list. Stays on the list.
01408000	Manasquan River At Squankum	FW2-TM		23	0.168	0.057	17.4%	Non Attainment	
01408009	Mingamahone Brook Near Earle	FW2-TM		12	0.056	0.032	0.0%	Full Attainment	
01408100	NB Metedeconk River At Lakewood	FW2-TM	FW2-NT	12	0.093	0.042	0.0%	Full Attainment	
01408152	SB Metedeconk River Near Laurelton	FW2-NT		4	0.025	0.025	0.0%	Full Attainment	
01408285	Maple Root Br At Bowman Rd Near Homansville	PL-TM		4	0.018	0.011	0.0%	Full Attainment	
01408480	Shannoc Brook Trib At Colliers Mills	PL		4	0.07	0.023	0.0%	Full Attainment	
01408500	Toms River Near Toms River	FW2-NT/SE1	FW2-TM, PL-TM	23	0.07	0.021	0.0%	Full Attainment	
01408830	Cedar Brook At Cedar Crest	PL		12	0.03	0.013	0.0%	Full Attainment	
01409050	North Branch Forked River Near Forked River	PL		8	0.025	0.015	0.0%	Full Attainment	
01409375	Mullica R Nr Atco	PL		21	0.04	0.011	0.0%	Full Attainment	
01409383	Mullica R At Indian Mills	PL		18	0.102	0.024	5.6%	Full Attainment	confirms
01409387	Mullica River At Outlet Of Atsion Lake At Atsion	PL		22	0.05	0.013	0.0%	Full Attainment	
014094005	Mullica R Nr Batsto	PL		18	0.06	0.011	0.0%	Full Attainment	
01409401	Hays Mill Cr At Atco	PL		21	0.033	0.010	0.0%	Full Attainment	
01409402	Hays Mill Cr Nr Chesilhurst	PL		21	0.03	0.009	0.0%	Full Attainment	
014094037	Sleeper Branch Nr Atsion	PL		22	0.02	0.008	0.0%	Full Attainment	
014094048	Clark Branch Nr Atsion	PL		20	0.012	0.006	0.0%	Full Attainment	
01409408	Pump Branch Near Waterford Works	PL		23	0.04	0.014	0.0%	Full Attainment	
014094095	Blue Anchor Brook At Elm	PL		32	0.14	0.035	6.3%	Full Attainment	
014094097	Albertson Branch Nr Elm	PL		22	0.02	0.008	0.0%	Full Attainment	
014094107	Great Swamp Br Below Rt 206 Near Hammonton	PL		23	0.08	0.017	0.0%	Full Attainment	

Table II-1. Data Summary for Total Phosphorus in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment	Comments
01409411	Nascochague Cr At Pleasant Mills	PL		18	0.06	0.015	0.0%	Full Attainment	
01409416	Hammonton Creek At Westcoatville	PL		22	0.79	0.213	81.8%	Non Attainment	
01409432	Batsto R At Hampton Furnace	PL		18	0.05	0.012	0.0%	Full Attainment	
01409439	Skit Branch At Hampton Furnace	PL		19	0.04	0.011	0.0%	Full Attainment	
01409449	Indian Mills Brook At Indian Mills	PL		4	0.08	0.070	0.0%	Insufficient Data Possibly Full Attainment	
01409455	Springers Bk Nr Hampton Furnace	PL		18	0.06	0.017	0.0%	Full Attainment	
01409470	Batsto R At Quaker Bridge	PL		18	0.06	0.015	0.0%	Full Attainment	
01409500	Batsto River At Batsto	PL		22	0.03	0.010	0.0%	Full Attainment	
01409600	Landing Creek Near Egg Harbor City	PL		4	0.029	0.018	0.0%	Full Attainment	
01409690	W Branch Wading River At Chatsworth	PL		4	0.021	0.011	0.0%	Full Attainment	
01409750	West Br Wading R Nr Jenkins	PL		19	0.07	0.026	0.0%	Full Attainment	
01409780	Tulpehocken Cr Nr Jenkins	PL		18	0.05	0.012	0.0%	Full Attainment	
01409815	West Branch Wading River At Maxwell	PL		12	0.08	0.035	0.0%	Full Attainment	
01409960	Papoose Branch Near Sim Place	PL		4	0.025	0.010	0.0%	Full Attainment	
01410000	Oswego R At Harrisville	PL		5	0.020	0.012	0.0%	Full Attainment	
01410150	East Branch Bass River Near New Gretna	PL		22	0.025	0.010	0.0%	Full Attainment	
01410455	South Branch Absecon Creek Near Pomona	PL		4	0.01	0.006	0.0%	Full Attainment	
01410784	Great Egg Harbor R Nr Sicklerville	PL	FW2-NT(PL)	56	0.130	0.040	1.8%	Full Attainment	
01411000	Great Egg Harbor R At Folsom	PL		15	0.070	0.018	0.0%	Full Attainment	
01411035	Hospitality Branch At Blue Bell Road Near Cecil	PL		12	0.04	0.019	0.0%	Full Attainment	
01411050	Hospitality Branch Near Cecil	PL		4	0.016	0.015	0.0%	Full Attainment	
01411110	Great Egg Harbor River At Weymouth	PL		23	0.04	0.014	0.0%	Full Attainment	

Table II-1. Data Summary for Total Phosphorus in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment	Comments
01411196	Babcock Creek Near Mays Landing	PL		12	0.04	0.018	0.0%	Full Attainment	
01411220	South River Near Belcoville	PL		4	0.05	0.035	0.0%	Full Attainment	
01411241	Gibson Creek At Rt 50 Near Corbin City	FW2-NT/SE1		4	0.025	0.025	0.0%	Full Attainment	
01411400	Fishing Creek At Rio Grande	FW2-NT/SE1		12	0.061	0.025	0.0%	Full Attainment	
01411428	Dennis Creek Trib 2 At Dennisville	PL		4	0.03	0.025	0.0%	Full Attainment	
01411440	Old Robins Branch Near North Dennis	FW2-NTC1/SE1		3	0.01	0.007	0.0%	Insufficient Data	
01411441	Savages Run In Belleplain State Forest	PL		4	0.025	0.025	0.0%	Full Attainment	
01411444	West Creek At Leesburg	PL		8	0.025	0.016	0.0%	Full Attainment	
01411453	Still Run Near Malaga	FW2-NT		4	0.03	0.026	0.0%	Full Attainment	
01411458	Little Ease Run At Porchtown	FW2-NT	FW1	4	0.03	0.016	0.0%	Full Attainment	
01411466	Indian Branch Near Malaga	FW2-NT		12	0.025	0.012	0.0%	Full Attainment	
01411500	Maurice River At Norma	FW2-NT/SE1		21	0.363	0.039	4.8%	Full Attainment	
01411780	Muddy Run Near Norma	FW2-NT		4	0.04	0.030	0.0%	Full Attainment	
01411800	Maurice River Near Millville	FW2-NT/SE1		4	0.04	0.019	0.0%	Full Attainment	
01411950	Buckshutem Creek Near Laurel Lake	FW2-NTC1		4	0.03	0.011	0.0%	Full Attainment	
01411955	Gravelly Run At Laurel Lake	FW1		12	0.025	0.013	0.0%	Full Attainment	
01412200	Pages Run At Newport	FW2-NTC1/SE1		4	0.094	0.036	0.0%	Insufficient Data - Possibly Full Attainment	
01412800	Cohansey River At Seeley	FW2-NT/SE1		23	0.134	0.059	8.7%	Full Attainment	
01413065	Canton Drain At Maskell Mill	FW2-NT/SE1		4	0.045	0.032	0.0%	Full Attainment	
01439830	Big Flat Brook At Tuttle's Corner	FW2-TPC1	FW1-TP/NT, FW2-NTC1	4	0.005	0.005	0.0%	Full Attainment	
01440000	Flat Brook Near Flatbrookville	FW2-TM	FW1-TP/NT, FW2-TP	20	0.2	0.024	5.0%	Full Attainment	
01442760	Dunnfield Creek At Dunnfield	FW1-TP		12	0.025	0.014	0.0%	Full Attainment	
01443370	Dry Bk at Rt 519 Near Branchville	FW2-NT		4	0.078	0.038	0.0%	Insufficient Data - Possibly Full Attainment	
01443440	Paulins Kill At Balesville	FW2-NT	FW2-TM	15	0.121	0.042	6.7%	Full Attainment	
01443500	Paulins Kill At Blirstown	FW2-TM	FW2-TPC, FW2-NT	23	0.07	0.033	0.0%	Full Attainment	

Table II-1. Data Summary for Total Phosphorus in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment	Comments
01443550	Jacksonburg Creek Near Millbrook	FW2-TM	FW2-NT	4	0.03	0.025	0.0%	Full Attainment	
01443600	Jacksonburg Creek Near Blairstown	FW2-TM		4	0.025	0.025	0.0%	Full Attainment	
01444970	Pequest River At Rt206 Below Springdale	FW2-TM	FW2-NT	4	0.05	0.026	0.0%	Full Attainment	
01445000	Pequest River at Huntsville	FW2-TM	FW2-NT	4	0.028	0.019	0.0%	Full Attainment	
01445500	Pequest R At Pequest	FW2-TM	FW2-NT	15	0.200	0.067	13.3%	Non Attainment	
01446400	Pequest River At Belvidere	FW2-TM	FW2-NT	12	0.329	0.076	16.7%	Non Attainment	
01455200	Pohatcong Ck At New Village	FW2-TM	FW2-TPC1	14	0.220	0.114	42.9%	Non Attainment	
01456200	Musconetcong R At Beattystown	FW2-TM		15	0.090	0.031	0.0%	Full Attainment	
01457000	Musconetcong R Nr Bloomstury	FW2-TM		15	0.070	0.020	0.0%	Full Attainment	
01457400	Musconetcong River At Riegelsville	FW2-TM		24	0.21	0.052	16.7%	Non Attainment	
01458570	Nishisakawick Creek Near Frenchtown	FW2-NT		12	0.128	0.046	8.3%	Full Attainment	
01458710	Copper Ck Near Frenchtown	FW2-NT		4	0.106	0.087	25.0%	Insufficient Data Possibly Non Attainment	
01461220	Wickecheoke Creek At Croton	FW2-NT		3	0.08	0.050	0.0%	Insufficient Data	
01461262	Plum Brook Near Locktown	FW2-TM		3	0.04	0.022	0.0%	Insufficient Data	
01462739	Jacobs Creek At Bear Tavern	FW2-NT		4	0.05	0.040	0.0%	Insufficient Data Possibly Full Attainment	
01463620	Assunpink Ck Nr Clarksville	FW2-NT		15	0.070	0.035	0.0%	Full Attainment	
01463810	Shabakunk Creek Near Lawrenceville	FW2-NT		2	0.07	0.065	0.0%	Insufficients Data	
01463850	Miry Run At Route 533 At Mercerville	FW2-NT		12	0.119	0.045	8.3%	Full Attainment	
01464000	Assunpink Cr At Trenton	FW2-NT		10	0.950	0.401	100.0%	Non Attainment	
01464020	Assunpink Creek At Peace Street At Trenton	FW2-NT		12	1.7	0.658	100.0%	Non Attainment	
01464420	Crosswicks Creek Near New Egypt	FW2-NT		4	0.79	0.285	75.0%	Non Attainment	

Table II-1. Data Summary for Total Phosphorus in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment	Comments
01464440	Lahaway Creek At Rt 537 At Mercerville	FW2-NT		4	0.08	0.039	0.0%	Insufficient Data Possibly Full Attainment	
01464500	Crosswicks Ck At Extonville	FW2-NT		14	0.170	0.091	35.7%	Non Attainment	
01464504	Crosswicks Cr. At Groveville Rd. At Groveville	FW2-NT		11	0.25	0.127	45.5%	Non Attainment	
01464515	Doctors Creek At Allentown	FW2-NT		23	0.215	0.093	34.8%	Non Attainment	
01464529	Bacons Creek Near Mansfield Square	FW2-NT		8	0.21	0.072	12.5%	Insufficient Data Possibly Non Attainment	
01464578	Annaricken Brook Near Jobstown	FW2-NT		4	1.4	0.453	100.0%	Non Attainment	
01464583	NB Barkers Brook Near Jobstown	FW2-NT		12	0.44	0.148	58.3%	Non Attainment	
01465850	SB Rancocas Ck At Vincentown	FW2-NT		14	0.200	0.095	35.7%	Non Attainment	
01465884	Sharps Run At Rt 541 At Medford	FW2-NT		4	0.18	0.098	50.0%	Non Attainment	
01465893	Little Creek At Chairville	PL	FW2-NT	11	0.104	0.027	9.1%	Full Attainment	
01465950	NB Rancocas Ck At Hanover Furnace	PL		8	0.025	0.016	0.0%	Full Attainment	
01466200	Pole Bridge Br Near Browns Mills	PL		4	0.113	0.078	25.0%	Insufficient Data Possibly Non Attainment	
01466500	McDonalds Branch In Lebanon State Forest	FW1		14	0.025	0.012	0.0%	Full Attainment	
01467000	NB Rancocas Ck At Pemberton	PL	FW2-NT(PL)	15	0.060	0.021	0.0%	Full Attainment	
01467005	NB Rancocas Creek At Iron Works Park At Mt Holly	FW2-NT		4	0.165	0.135	75.0%	Non Attainment	
01467006	NB Rancocas Creek At Pine St At Mt Holly	FW2-NT		8	0.19	0.103	37.5%	Non Attainment	
01467069	NB Pennsauken Ck Nr Morrestown	FW2-NT		15	0.320	0.134	60.0%	Non Attainment	
01467081	SB Pennsauken Ck At Cherry Hill	FW2-NT		15	0.610	0.331	100.0%	Non Attainment	
01467150	Cooper River At Haddonfield	FW2-NT		47	1.4	0.254	93.6%	Non Attainment	

Table II-1. Data Summary for Total Phosphorus in Non-Tidal Rivers

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Table II-1. Data Summary for Total Phosphorus in Non-Tidal Rivers

[illegible]

Table II-1. Data Summary for Total Phosphorus in Non-Tidal Rivers

[illegible]

Table II-2. Data Summary of pH in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Minimum Value	Exceedance %	Exceedance High/Low	Assessment
01381500	Whippany R At Morristown	FW2-NT		15	9.20	7.00	6.7%	High	Full Attainment
01388000	Ramapo R At Pompton Lakes	FW2-NT		14	8.8	6.8	7.1%	High	Full Attainment
01388100	Ramapo River At Dawes Highway	FW2-NT		4	9.7	7.7	25.0%	High	Insufficient Data Possibly Full Attainment
01388500	Pompton River At Pompton Plains	FW2-NT		12	8.8	7.4	8.3%	High	Full Attainment
01390445	WB Saddle R At Upper Saddle River	FW2-TPC1		4	8.6	7.7	25.0%	High	Insufficient Data Possibly Non Attainment
01390500	Saddle R At Ridgewood	FW2-NT/SE3	FW2-TPC1, FW2-TM	34	9	7	14.7%	High	Non Attainment
01397000	SB Raritan R At Stanton Station	FW2-TM		13	8.80	7.40	15.4%	High	Non Attainment
01398000	Neshanic River At Reaville	FW2-NT	FW2-TM	95	9.4	6.8	10.5%	High	Non Attainment
01398102	SB Raritan River At South Branch	FW2-NT	FW2-TM	12	9.3	6.8	16.7%	High	Non Attainment
01399700	Rockaway Ck At Whitehouse	FW2-NT	FW2-TM	14	9.10	7.50	14.3%	High	Non Attainment
01399780	Lamington River At Burnt Mills	FW2-NT	FW2-TPC1, FW2-TM	24	8.8	7.04	4.2%	High	Full Attainment
01400500	Raritan R At Manville	FW2-NT		13	8.70	7.20	15.4%	High	Non Attainment
01401000	Stony Brook At Princeton	FW2-NT		44	9.5	6.7	11.4%	High	Non Attainment
01403470	Green Brook At North Plainfield	FW2-TM	FW2-NT	3	9	7.9	33.3%	High	Insufficient Data
01408480	Shannoc Brook Trib At Colliers Mills	PL		4	6.9	6.3	100.0%	High	Non Attainment
01408830	Cedar Brook At Cedar Crest	PL		11	5.6	4.4	9.1%	High	Full Attainment
01409375	Mullica R Nr Atco	PL		21	7.3	6	100.0%	High	Non Attainment
01409387	Mullica River At Outlet Of Atsion Lake At Atsion	PL		22	5.7	4.2	9.1%	High	Full Attainment
0140940050	Mullica R Nr Batsto	PL		18	6.2	4	22.2%	High	Non Attainment
01409401	Hays Mill Cr At Atco	PL		21	7	5.7	100.0%	High	Non Attainment
01409402	Hays Mill Cr Nr Chesilhurst	PL		21	7	5.3	95.2%	High	Non Attainment
0140940370	Sleeper Branch Nr Atsion	PL		22	6.9	4.6	59.1%	High	Non Attainment
01409408	Pump Branch Near Waterford Works	PL		22	6.9	6	100.0%	High	Non Attainment
0140940950	Blue Anchor Brook At Elm	PL		31	7.6	6.3	100.0%	High	Non Attainment
0140940970	Albertson Branch Nr Elm	PL		22	6.8	5.7	100.0%	High	Non Attainment
0140941070	Great Swamp Br Below Rt 206 Near Hammonton	PL		23	6.5	4.6	69.6%	High	Non Attainment
01409411	Nescochague Cr At Pleasant Mills	PL		18	6.8	4.7	50.0%	High	Non Attainment
01409416	Hammonton Creek At Westcoatville	PL		22	7.2	5.7	100.0%	High	Non Attainment
01409432	Batsto R At Hampton Furnace	PL		18	5.8	4.6	38.9%	High	Non Attainment
01409449	Indian Mills Brook At Indian Mills	PL		4	7.1	5.5	100.0%	High	Non Attainment
01409455	Springers Bk Nr Hampton Furnace	PL		18	7	5.2	88.9%	High	Non Attainment

Table II-2. Data Summary of pH in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Minimum Value	Exceedance %	Exceedance High/Low	Assessment
01409470	Batsto R At Quaker Bridge	PL		18	6	4.2	50.0%	High	Non Attainment
01409500	Batsto River At Batsto	PL		22	5.8	4.2	18.2%	High	Non Attainment
01410784	Great Egg Harbor R Nr Sicklerville	PL	FW2-NT(PL)	54	6.80	4.49	83.3%	High	Non Attainment
01411000	Great Egg Harbor R At Folsom	PL		14	6.60	4.40	78.6%	High	Non Attainment
01411035	Hospitality Branch At Blue Bell Road Near Cecil	PL		12	6.5	5.5	91.7%	High	Non Attainment
01411050	Hospitality Branch Near Cecil	PL		4	6.9	6	100.0%	High	Non Attainment
01411110	Great Egg Harbor River At Weymouth	PL		23	6.6	4.5	65.2%	High	Non Attainment
01411196	Babcock Creek Near Mays Landing	PL		10	5.8	3.9	20.0%	High	Non Attainment
01411220	South River Near Belcoville	PL		4	6.2	4.5	75.0%	High	Non Attainment
01411428	Dennis Creek Trib 2 At Dennisville	PL		4	6.6	6.3	100.0%	High	Non Attainment
01440000	Flat Brook Near Flatbrookville	FW2-TM	FW1-TP/NT, FW2-TP	22	8.9	7.19	4.5%	High	Full Attainment
01446400	Pequest River At Belvidere	FW2-TM	FW2-NT	12	8.7	8	16.7%	High	Non Attainment
01455200	Pohatcong Ck At New Village	FW2-TM	FW2-TPC1	13	9.20	7.60	23.1%	High	Non Attainment
01456200	Musconetcong R At Beattystown	FW2-TM		14	8.60	7.70	7.1%	High	Full Attainment
01457000	Musconetcong R Nr Bloomsbury	FW2-TM		14	8.80	7.70	21.4%	High	Non Attainment
01465893	Little Creek At Chairville	PL	FW2-NT	11	6.5	3.5	18.2%	High	Non Attainment
01482500	Salem River At Woodstown	FW2-NT/SE1		22	9.3	6.7	4.5%	High	Full Attainment
01379680	Rockaway River At Longwood Valley	FW2-NT		5	7.8	6.4	20.0%	Low	Insufficient Data Possibly Non Attainment
01380100	Beaver Brook At Rockaway	FW2-NT	FW2-TPC1, FW2-TM	11	7.8	6.2	9.1%	Low	Full Attainment
01382000	Passaic River At Two Bridges	FW2-NT		62	8.8	6.6	3.2%	Low	Full Attainment
01382450	Macopin River At Macopin Reservoir	FW2-NT		12	8.2	6.4	8.3%	Low	Full Attainment
01400540	Millstone R Nr Manalapan	FW2-NT		13	8.10	6.00	30.8%	Low	Non Attainment
01400690	Cranbury Book Near Prospect Plains	FW2-NT		4	6.2	5.2	100.0%	Low	Non Attainment
01404470	Ireland Brook At Patricks Corners	FW2-NT		4	6.5	6.1	75.0%	Low	Non Attainment
01405285	Barclay Bk Near Englishtown	FW2-NT		4	3.6	3.5	100.0%	Low	Non Attainment
01405302	Matchaponix Bk At Spotswood	FW2-NT		14	7.40	5.40	42.9%	Low	Non Attainment
01405340	Manalapan Brook At Federal Rd Nr Manalapan	FW2-NT		21	7.3	5.2	38.1%	Low	Non Attainment
01407090	Town Brook At Middletown	FW2-NT/SE1		4	7.5	6.4	25.0%	Low	Insufficient Data Possibly Non Attainment
01407360	Yellow Brook Near Malboro	FW2-NT		4	6.7	6.4	25.0%	Low	Insufficient Data Possibly Non Attainment

Table II-2. Data Summary of pH in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Minimum Value	Exceedance %	Exceedance High/Low	Assessment
01407720	Jumping Brook At Green Grove	FW2-NT/SE1		4	6.5	5.9	75.0%	Low	Non Attainment
01407868	Long Brook At Wyckoff Mills	FW2-NT		11	7.1	6.4	18.2%	Low	Non Attainment
01407997	Marsh Bog Brook At Squankum	FW2-NT		4	6.5	4.7	75.0%	Low	Non Attainment
01408009	Mingamahone Brook Near Earle	FW2-TM		12	7.1	5.7	41.7%	Low	Non Attainment
01408100	NB Metedeconk River At Lakewood	FW2-TM	FW2-NT	10	7.1	5.9	50.0%	Low	Non Attainment
01408152	SB Metedeconk River Near Laurelton	FW2-NT		4	6.7	6.3	25.0%	Low	Insufficient Data Possibly Non Attainment
01408500	Toms River Near Toms River	FW2-NT/SE1	FW2-TM, PL	23	6.4	4.4	100.0%	Low	Non Attainment
01409383	Mullica R At Indian Mills	PL	TM	18	5.2	3.1	5.6%	Low	Full Attainment
01411241	Gibson Creek At Rt 50 Near Corbin City	FW2-NT/SE1		4	5.4	4.8	100.0%	Low	Full Attainment
01411400	Fishing Creek At Rio Grande	FW2-NT/SE1		10	7.3	6.3	10.0%	Low	Full Attainment
01411440	Old Robins Branch Near North Dennis	FW2-NTC1/SE1		3	4.4	3.9	100.0%	Low	Insufficient Data
01411453	Still Run Near Malaga	FW2-NT		4	6.6	5.6	50.0%	Low	Non Attainment
01411458	Little Ease Run At Porchtown	FW2-NT	FW1	4	6.1	5.6	100.0%	Low	Non Attainment
01411466	Indian Branch Near Malaga	FW2-NT		12	5.6	4.2	100.0%	Low	Full Attainment
01411500	Maurice River At Norma	FW2-NT/SE1		21	7	5.9	33.3%	Low	Non Attainment
01411950	Buckshutem Creek Near Laurel Lake	FW2-NTC1		4	4.2	4	100.0%	Low	Full Attainment
01411955	Gravelly Run At Laurel Lake	FW1		12	5.3	4.3	100.0%	Low	Full Attainment
01412200	Pages Run At Newport	FW2-NTC1/SE1		4	6.5	5.9	75.0%	Low	Non Attainment
01412800	Cohansey River At Seeley	FW2-NT/SE1		22	7.1	6.1	4.5%	Low	Full Attainment
01413065	Canton Drain At Maskell Mill	FW2-NT/SE1		4	6.1	5.3	100.0%	Low	Non Attainment
01442760	Dunnfield Creek At Dunnfield	FW1-TP		12	6.9	5.8	25.0%	Low	Non Attainment
01443550	Jacksonburg Creek Near Millbrook	FW2-TM	FW2-NT	4	7	5.9	25.0%	Low	Insufficient Data Possibly Non Attainment
01463850	Miry Run At Route 533 At Mercerville	FW2-NT		12	6.9	6.3	16.7%	Low	Non Attainment
01464020	Assunpink Creek At Peace Street At Trenton	FW2-NT		13	7.8	6.1	7.7%	Low	Full Attainment
01464440	Lahaway Creek At Rt 537 At Mercerville	FW2-NT		4	7.3	6.4	25.0%	Low	Insufficient Data Possibly Non Attainment
01464529	Bacons Creek Near Mansfield Square	FW2-NT		8	6.7	4	75.0%	Low	Non Attainment
01464578	Annaricken Brook Near Jobstown	FW2-NT		4	7	6.1	25.0%	Low	Insufficient Data Possibly Non Attainment

Table II-2. Data Summary of pH in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Minimum Value	Exceedance %	Exceedance High/Low	Assessment
01464583	NB Barkers Brook Near Jobstown	FW2-NT		12	7.3	5.8	33.3%	Low	Non Attainment
01465850	SB Rancocas Ck At Vincentown	FW2-NT		14	6.60	4.40	92.9%	Low	Non Attainment
01467000	NB Rancocas Ck At Pemberton	FW2-NT(PL)	PL	14	6.20	4.10	6.7%	Low	Full Attainment
01467005	NB Rancocas Creek At Iron Works Park At Mt Holly	FW2-NT		4	6.8	6.4	25.0%	Low	Non Attainment
01467006	NB Rancocas Creek At Pine St At Mt Holly	FW2-NT		7	7.2	5.3	28.6%	Low	Non Attainment
01467325	SB Big Timber Creek At Turnersville	FW2-NT		3	7.1	6.4	33.3%	Low	Insufficient Data
01467359	North Branch Big Timber Creek At Glendora	FW2-NT		12	7.5	6.2	8.3%	Low	Full Attainment
01476600	Still Run Near Mickelton	FW2-NT/SE2		4	7.2	6.2	25.0%	Low	Insufficient Data Possibly Non Attainment
01477440	Oldmans Creek At Jessups Mill	FW2-NT/SE1		4	7.1	6.2	25.0%	Low	Insufficient Data Possibly Non Attainment
01367625	Wallkill River At Sparta	FW2-TM	FW2-NT, FW2-TPC1	12	8.4	7	0.0%		Full Attainment
01367715	Wallkill River At Scott Road At Franklin	FW2-NT		4	8.3	7.9	0.0%		Full Attainment
01367770	Wallkill River Near Sussex	FW2-NT		23	8.2	7.6	0.0%		Full Attainment
01367780	Papakating Creek Near Wykurtown	FW2-TM	FW2-NT	4	7.8	7.2	0.0%		Full Attainment
01367800	Papakating Creek At Pelletown	FW2-NT		8	8.2	7.3	0.0%		Full Attainment
01367850	WB Papakating Ck At McCoys Corner	FW2-NT		4	8.1	7.6	0.0%		Insufficient Data Possibly Full Attainment
01367860	Papakating Creek Near Sussex	FW2-NT		4	8.1	7.6	0.0%		Insufficient Data Possibly Full Attainment
01367910	Papakating Ck At Sussex	FW2-NT		14	8.20	7.30	0.0%		Full Attainment
01368000	Wallkill R Nr Unionville	FW2-NT		14	8.10	7.10	0.0%		Full Attainment
01368820	Double Kill At Waywayanda	FW2-NTC1	FW1 FW2-TPC1, FW2-TM	10	7.4	7.0	0.0%		Full Attainment
01368950	Black Creek Nr Vernon	FW2-NT		14	8.20	7.20	0.0%		Full Attainment
01376970	Hackensack River At Old Tappan	FW2-NT		4	8		0.0%		Full Attainment
01377000	Hackensack River At Rivervale	FW2-NT		22	8.1	8	0.0%		Full Attainment
01377499	Musquapsink Brook At River Vale	FW2-NT		8	8.1	8	0.0%		Full Attainment
01377500	Pascack Brook At Westwood	FW2-NT		8	8	7.8	0.0%		Full Attainment

Table II-2. Data Summary of pH in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Minimum Value	Exceedance %	Exceedance High/Low	Assessment
01378387	Tenakill Brook At Cedar Lane At Closter	FW2-NT		4	8.2	7.8	0.0%		Full Attainment
01378560	Coles Brook At Hackensack	FW2-NT/SE1		12	8.2	7.7	0.0%		Full Attainment
01378780	Primrose Brook At Morristown National Park	FW2-TPC1	FW2-NT	11	7.9	7.7	0.0%		Full Attainment
01378855	Black Brook At Madison	FW2-NT		8	7.9	7.9	0.0%		Full Attainment
01379000	Passaic R Nr Millington	FW2-NT		17	7.40	6.50	0.0%		Full Attainment
01379200	Dead River Near Millington	FW2-NT		16	7.9	6.2	6.3%		Full Attainment
01379500	Passaic R Nr Catham	FW2-NT		16	8.10	7.00	0.0%		Full Attainment
01379530	Canoe Brook near Summit	FW2-NT		4	7.8	7.4	0.0%		Insufficient Data - Possibly Full Attainment
01379700	Rockaway River At Berkshire Va	FW2-NT		4	7.6	7.4	0.0%		Insufficient Data - Possibly Full Attainment
01379800	Green Pond Brook At Dover	FW2-NT		4	8.2	7.4	0.0%		Insufficient Data - Possibly Full Attainment
01379853	Rockaway River At Blackwell St	FW2-NT		4	7.8	7.7	0.0%		Insufficient Data - Possibly Full Attainment
01380320	Stony Brook At Boonton	FW2-NT		4	7.2	7.1	0.0%		Full Attainment
01380500	Rockaway R At Boonton	FW2-NT		16	8.00	7.01	0.0%		Full Attainment
01381050	Crooked Brook Near Towaco	FW2-NT		4	7.8	7.4	0.0%		Full Attainment
01381200	Rockaway R At Pine Brook	FW2-NT		14	7.80	7.30	0.0%		Full Attainment
01381800	Whippany River Near Pine Brook	FW2-NT		23	7.8	6.8	0.0%		Full Attainment
01382410	Macopin River At Echo Lake	FW2-NT		7	7.7	6.9	0.0%		Full Attainment
01382500	Pequannock River At Macopin Intake Dam	FW2-TM	FW2-TPC1	23	8	7	0.0%		Full Attainment
01382800	Pequannock River At Riverdale	FW2-TMC1		4	7.8	7.2	0.0%		Insufficient Data - Possibly Full Attainment
01383505	Wanaque River Near Awosting	FW2-TPC1	FW2-TMC1	5	7.4	6.7	0.0%		Insufficient Data - Possibly Full Attainment
01387010	Wanaque River At Highland Avenue At Wanaque	FW2-NT		4	7.6	7.1	0.0%		Full Attainment

Table II-2. Data Summary of pH in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Minimum Value	Exceedance %	Exceedance High/Low	Assessment
01387041	Wanaque River At Pompton Lakes	FW2-NT		4	7.5	7.3	0.0%		Insufficient Data - Possibly Full Attainment
01387500	Ramapo River Near Mahwah	FW2-NT		22	8.1	7.3	0.0%		Full Attainment
01389005	Passaic R Below Pompton R At Two Br	FW2-NT		14	8.2	7	0.0%		Full Attainment
01389080	Preakness Brook Near Little Fa	FW2-NT		4	7.7	7.7	0.0%		Insufficient Data - Possibly Full Attainment
01389138	Deepavaal Brook At Fairfield	FW2-NT		4	7.5	7.3	0.0%		Insufficient Data - Possibly Full Attainment
01389500	Passaic River At Little Falls	FW2-NT		26	8.5	7	0.0%		Full Attainment
01389600	Peckman River At West Patterson	FW2-NT		4	7.9	7.5	0.0%		Insufficient Data
01389850	Goffle Brook At Hawthorne	FW2-NT		4	8	7.5	0.0%		Insufficient Data
01389860	Diamond Bk At Fair Lawn	FW2-NT		4	8.1	7.3	0.0%		Insufficient Data - Possibly Full Attainment
01389880	Passaic R At Elmwood Pk	FW2-NT		14	7.90	7.40	0.0%		Full Attainment
01390470	Saddle River At Saddle River	FW2-NT/SE3	FW2-TPC1, FW2-TM	4	7.9	7.8	0.0%		Full Attainment
01390510	Saddle River At Ridgewood Avenue At Ridgewood	FW2-NT/SE3		4	8	7.9	0.0%		Full Attainment
01390518	Saddle River At Grove Street A	FW2-NT/SE3		4	8.1	7.5	0.0%		Insufficient Data - Possibly Full Attainment
01390900	Ramsey Brook At Allendale	FW2-NT/SE2		4	7.9	7.6	0.0%		Full Attainment
01391100	Hohokus Brook At Mouth At Paramus	FW2-NT/SE3		4	7.8	7.6	0.0%		Insufficient Data - Possibly Full Attainment
01391490	Saddle River At Rochelle Park	FW2-NT/SE3		4	7.7	7.5	0.0%		Full Attainment
01391500	Saddle River At Lodi	FW2-NT/SE3		24	8.1	7.16	0.0%		Full Attainment
01393350	WB Elizabeth River Near Union	FW2-NT		4	8.1	7.5	0.0%		Insufficient Data - Possibly Full Attainment
01393450	Elizabeth R At Ursino Lk At Elizabe	FW2-NT		14	8.10	7.30	0.0%		Full Attainment
01393960	WB Rahway R. At Northfield Ave. At West Orange	FW2-NT		4	7.8	7.3	0.0%		Full Attainment
01394500	Rahway River Near Springfield	FW2-NT		25	8.1	7	0.0%		Full Attainment

Table II-2. Data Summary of pH in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Minimum Value	Exceedance %	Exceedance High/Low	Assessment
01395000	Rahway River At Rahway	FW2-NT		18	8.4	7.2	0.0%		Full Attainment
									Insufficient Data - Possibly Full Attainment
01395200	Robinson Branch At Scotch Plains	FW2-NT		4	7.9	6.8	0.0%		
01396003	Robinson Br At St Georges Av At Rahway	FW2-NT		4	7.7	7.6	0.0%		Full Attainment
01396219	Stony Brook At Fairview Avenue At Naughtright	FW2-TPC1		4	7.8	7.5	0.0%		Full Attainment
01396280	SB Raritan R At Middle Valley	FW2-TPC1	FW2-TM	13	8.40	7.70	0.0%		Full Attainment
01396535	SB Raritan R Arch St At High Bridge	FW2-TM		15	8.40	7.34	0.0%		Full Attainment
01396550	Spruce Run At Newport	FW2-TPC1		11	8	7.2	0.0%		Full Attainment
01396588	Spruce Run Nr Glen Gardner	FW2-TMC1	FW2-TPC1	16	8.30	7.30	0.0%		Full Attainment
01396660	Mulhockaway Creek At Van Syckel	FW2-TPC1		24	8.2	7.08	0.0%		Full Attainment
01397400	SB Raritan R At Three Bridges	FW2-NT		14	8.30	7.60	0.0%		Full Attainment
									Insufficient Data - Possibly Full Attainment
01398070	SB Raritan River At Neshanic Station	FW2-NT	FW2-TM	4	8.5	7.8	0.0%		
01398260	NB Raritan R Nr Chester	FW2-TPC1		14	8.00	7.60	0.0%		Full Attainment
01398300	Dawsons Brook Near Ironia	FW2-TPC1		4	7.7	7.4	0.0%		Full Attainment
									Insufficient Data - Possibly Full Attainment
01399100	Middle Brook At Burnt Mills	FW2-NT		4	8.2	7.5	0.0%		
01399120	NB Raritan R At Burnt Mills	FW2-NT		14	8.50	7.80	0.0%		Full Attainment
01399500	Lamington (Black)R Nr Pottersville	FW2-TPC1	FW2-TMC1, FW2-NTC1	16	8.20	7.33	0.0%		Full Attainment
									Insufficient Data - Possibly Full Attainment
01399900	Chambers Brook At North Branch Depot	FW2-NT		4	7.6	7.2	0.0%		
01400000	North Branch Raritan River Near Raritan	FW2-NT		12	8.3	7.4	0.0%		Full Attainment
									Insufficient Data - Possibly Full Attainment
01400395	Peters Brook At Rt 28 At Somerville	FW2-NT		4	8.2	7.6	0.0%		
01400585	Rocky Brook At Perrineville	FW2-NT		8	8.2	6.6	0.0%		Full Attainment
01400640	Millstone River Near Grovers M	FW2-NT		7	7.4	7.1	0.0%		Full Attainment
01400650	Millstone River At Grovers Mill	FW2-NT		9	7.1	6.5	0.0%		Full Attainment

Table II-2. Data Summary of pH in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Minimum Value	Exceedance %	Exceedance High/Low	Assessment
01401200	Duck Pond Run at Clarksville	FW2-NT		4	7.3	6.5	0.0%		Insufficient Data - Possibly Full Attainment
01401400	Heathcote Brook At Kingston	FW2-NT		12	7.3	6.8	0.0%		Full Attainment
01401600	Bedens Brook Nr Rocky Hill	FW2-NT		16	8.20	7.30	0.0%		Full Attainment
01401700	Pike Run Near Rocky Hill	FW2-NT		4	7.6	7	0.0%		Full Attainment
01402000	Millstone River At Blackwells Mills	FW2-NT		21	8.2	6.8	0.0%		Full Attainment
01403300	Raritan R At Queens Bridge	FW2-NT		70	8.88	6.8	2.9%		Full Attainment
01403385	Bound Brook At Route 28 At Middlesex	FW2-NT		12	7.9	6.7	0.0%		Full Attainment
01403900	Bound Bk At Middlesex	FW2-NT		56	8.01	6.8	0.0%		Full Attainment
01405195	Matchaponix Brook At Englishtown	FW2-NT		4	7.2	6.7	0.0%		Insufficient Data - Possibly Full Attainment
01407630	Poplar Brook At Deal	FW2-NT/SE1		4	7.6	6.9	0.0%		Insufficient Data - Possibly Full Attainment
01408000	Manasquan River At Squankum	FW2-TM		22	7.7	6.5	0.0%		Full Attainment
01408285	Maple Root Br At Bowman Rd Near Homansville	PL-TM		4	4.3	3.7	0.0%		Full Attainment
01409050	North Branch Forked River Near Forked River	PL		8	5.1	4	0.0%		Full Attainment
0140940480	Clark Branch Nr Atsion	PL		20	5	3.6	0.0%		Full Attainment
01409439	Skit Branch At Hampton Furnace	PL		19	4.8	3.9	0.0%		Full Attainment
01409600	Landing Creek Near Egg Harbor City	PL		4	4.7	4.2	0.0%		Full Attainment
01409690	W Branch Wading River At Chatsworth	PL		4	5.4	4.1	0.0%		Insufficient Data - Possibly Full Attainment
01409750	West Br Wading R Nr Jenkins	PL		18	5	3.8	0.0%		Full Attainment
01409780	Tulpehocken Cr Nr Jenkins	PL		18	5.6	3.9	5.6%		Full Attainment
01409815	West Branch Wading River At Maxwell	PL		12	4.7	3.8	0.0%		Full Attainment
01409960	Papoose Branch Near Sim Place	PL		4	4.6	3.5	0.0%		Full Attainment
01410000	Oswego R At Harrisville	PL		5	4.60	4.10	0.0%		Full Attainment
01410150	East Branch Bass River Near New Gretna	PL		22	4.6	4.1	0.0%		Full Attainment
01410455	South Branch Absecon Creek Near Pomona	PL		4	5	4	0.0%		Full Attainment

Table II-2. Data Summary of pH in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Minimum Value	Exceedance %	Exceedance High/Low	Assessment
01411441	Savages Run In Belleplain State Forest	PL		4	5.4	4.8	0.0%		Insufficient Data - Possibly Full Attainment
01411444	West Creek At Leesburg	PL		8	4.6	4.1	0.0%		Full Attainment
01411780	Muddy Run Near Norma	FW2-NT		4	7.3	6.9	0.0%		Insufficient Data - Possibly Full Attainment
01411800	Maurice River Near Millville	FW2-NT/SE1		4	7	6.5	0.0%		Insufficient Data - Possibly Full Attainment
01439830	Big Flat Brook At Tuttle's Corner	FW2-TPC1	FW1-TP/NT, FW2-NTC1	4	7.7	7.3	0.0%		Full Attainment
01443370	Dry Bk at Rt 519 Near Branchville	FW2-NT		4	8	7.1	0.0%		Full Attainment
01443440	Paulins Kill At Balesville	FW2-NT	FW2-TM	14	8.30	7.70	0.0%		Full Attainment
01443500	Paulins Kill At Blairstown	FW2-TM	FW2-TPC, FW2-NT	23	8.3	8	0.0%		Full Attainment
01443600	Jacksonburg Creek Near Blairstown	FW2-TM		4	8.1	7.5	0.0%		Insufficient Data - Possibly Full Attainment
01444970	Pequest River At Rt206 Below Springdale	FW2-TM	FW2-NT	4	8	7.3	0.0%		Full Attainment
01445000	Pequest River at Huntsville	FW2-TM	FW2-NT	4	8.1	7.7	0.0%		Insufficient Data - Possibly Full Attainment
01445500	Pequest R At Pequest	FW2-TM	FW2-NT	14	8.50	7.90	0.0%		Full Attainment
01457400	Musconetcong River At Riegelsville	FW2-TM		24	8.5	7.1	0.0%		Full Attainment
01458570	Nishisakawick Creek Near Frenchtown	FW2-NT		11	8.3	6.9	0.0%		Full Attainment
01458710	Copper Ck Near Frenchtown	FW2-NT		4	7.9	7.1	0.0%		Full Attainment
01461220	Wickecheoke Creek At Croton	FW2-NT		3	7.4	6.8	0.0%		Insufficient Data
01461262	Plum Brook Near Locktown	FW2-TM		3	7	6.9	0.0%		Insufficient Data
01462739	Jacobs Creek At Bear Tavern	FW2-NT		4	8.3	7.5	0.0%		Insufficient Data - Possibly Full Attainment
01463620	Assunpink Ck Nr Clarksville	FW2-NT		14	7.90	6.70	0.0%		Full Attainment
01463810	Shabakunk Creek Near Lawrenceville	FW2-NT		3	7.8	7.2	0.0%		Insufficient Data
01464000	Assunpink Cr At Trenton	FW2-NT		9	7.70	6.90	0.0%		Full Attainment
01464420	Crosswicks Creek Near New Egypt	FW2-NT		4	7.4	7.1	0.0%		Full Attainment
01464500	Crosswicks Ck At Extonville	FW2-NT		14	7.90	7.00	0.0%		Full Attainment

Table II-2. Data Summary of pH in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Minimum Value	Exceedance %	Exceedance High/Low	Assessment
01464504	Crosswicks Cr. At Groveville Rd. At Groveville	FW2-NT		10	7.6	6.7	0.0%		Full Attainment
01464515	Doctors Creek At Allentown	FW2-NT		22	7.5	6.6	0.0%		Full Attainment
01465884	Sharps Run At Rt 541 At Medford	FW2-NT		4	7.4	7.2	0.0%		Full Attainment
01465950	NB Rancocas Ck At Hanover Furnace	PL		8	4.8	4.4	0.0%		Full Attainment
01466200	Pole Bridge Br Near Browns Mills	PL		4	4.6	4.2	0.0%		Full Attainment
01466500	McDonalds Branch In Lebanon State Forest	FW1		14	4.5	3.7	0.0%		Full Attainment
01467069	NB Pennsauken Ck Nr Morrestown	FW2-NT		14	7.40	6.70	0.0%		Full Attainment
01467081	SB Pennsauken Ck At Cherry Hill	FW2-NT		14	7.40	7.00	0.0%		Full Attainment
01467150	Cooper River At Haddonfield	FW2-NT		50	7.5	6.6	0.0%		Full Attainment
01467155	North Branch Cooper River At Kresson	FW2-NT		4	7.6	6.9	0.0%		Insufficient Data - Possibly Full Attainment
01467327	SB Big Timber Creek At Glenloch	FW2-NT		4	7.7	7.2	0.0%		Full Attainment
01467329	SB Big Timber Ck At Blackwood Terr	FW2-NT		16	7.40	6.60	0.0%		Full Attainment
01477120	Raccoon Creek Near Swedesboro	FW2-NT/SE2		49	7.7	6.5	0.0%		Full Attainment
01477510	Oldmans Ck At Porches Mill	FW2-NT/SE1		14	7.80	6.90	0.0%		Full Attainment
01482560	Two Penny Run Near Danceys Comer	FW2-NT/SE1		4	7.6	6.8	0.0%		Insufficient Data - Possibly Full Attainment

Table II-3. Data Summary of Temperature in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Average	Maximum Value	Exceedance %	Assessment	
01367625	Wallkill River At Sparta	FW2-TM	FW2-NT, FW2-TPC1	12	12.58	25	16.7%	Non Attainment	
01367715	Wallkill River At Scott Road At Franklin	FW2-NT		4	11.13	18.5	0.0%	Full Attainment	
01367770	Wallkill River Near Sussex	FW2-NT		23	11.68	21.5	0.0%	Full Attainment	
01367780	Papakating Creek Near Wykertown	FW2-TM	FW2-NT	4	10.38	18	0.0%	Full Attainment	
01367800	Papakating Creek At Pelletown	FW2-NT		8	11.19	22.5	0.0%	Full Attainment	
01367850	WB Papakating Ck At McCoys Corner	FW2-NT		4	12.00	22.5	0.0%	Full Attainment	
01367860	Papakating Creek Near Sussex	FW2-NT		4	10.75	21	0.0%	Full Attainment	
01367910	Papakating Ck At Sussex	FW2-NT		15	11.20	22	0.0%	Full Attainment	
01368000	Wallkill R Nr Unionville	FW2-NT		15	12.10	23	0.0%	Full Attainment	
01368820	Double Kill At Waywayanda	FW2-NTC1	FW1	12	11.54	24.5	0.0%	Full Attainment	
01368950	Black Creek Nr Vernon	FW2-NT	FW2-TPC1, FW2-TM	15	11.40	23	0.0%	Full Attainment	
01376970	Hackensack River At Old Tappan	FW2-NT		4	11.75	22	0.0%	Insufficient Data - Possibly Full Attainment	
01377000	Hackensack River At Rivervale	FW2-NT		22	12.28	25.5	0.0%	Full Attainment	
01377499	Musquapsink Brook At River Vale	FW2-NT		8	9.88	20	0.0%	Full Attainment	
01377500	Pascack Brook At Westwood	FW2-NT		8	11.50	17.5	0.0%	Full Attainment	
01378387	Tenakill Brook At Cedar Lane At Closter	FW2-NT		4	11.63	20	0.0%	Full Attainment	
01378560	Coles Brook At Hackensack	FW2-NT/SE1		12	12.83	22	0.0%	Full Attainment	
01378780	Primrose Brook At Morristown	FW2-TPC1	FW2-NT	12	10.54	19	0.0%	Full Attainment	
01378855	National Park	FW2-NT		8	11.75	24.5	0.0%	Full Attainment	
01379000	Black Brook At Madison	FW2-NT		17	12.10	26	0.0%	Full Attainment	
01379200	Passaic R Nr Millington	FW2-NT		16	14.13	23	0.0%	Full Attainment	
01379500	Dead River Near Millington	FW2-NT		17	13.00	26	0.0%	Full Attainment	
01379530	Passaic R Nr Catham	FW2-NT		4	20.38	23.5	0.0%	Insufficient Data	
01379680	Canoe Brook near Summit	FW2-NT		5	12.38	19.5	0.0%	Full Attainment	
01379680	Rockaway River At Longwood Valley	FW2-NT							

Table II-3. Data Summary of Temperature in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Average	Maximum Value	Exceedance %	Assessment	
01379700	Rockaway River At Berkshire Va	FW2-NT		4	19.25	23	0.0%	Insufficient Data - Possibly Full Attainment	
01379800	Green Pond Brook At Dover	FW2-NT		4	18.88	22	0.0%	Insufficient Data - Possibly Full Attainment	
01379853	Rockaway River At Blackwell St	FW2-NT		4	18.75	22	0.0%	Insufficient Data - Possibly Full Attainment	
01380100	Beaver Brook At Rockaway	FW2-NT	FW2-TPC1, FW2-TM	12	11.08	21.5	0.0%	Full Attainment	
01380320	Stony Brook At Boonton	FW2-NT		4	8.00	16	0.0%	Full Attainment	
01380500	Rockaway R At Boonton	FW2-NT		17	11.20	26	0.0%	Full Attainment	
01381050	Crooked Brook Near Towaco	FW2-NT		4	8.38	16	0.0%	Full Attainment	
01381200	Rockaway R At Pine Brook	FW2-NT		15	11.60	24	0.0%	Full Attainment	
01381500	Whippany R At Morristown	FW2-NT		17	11.90	26	0.0%	Full Attainment	
01381800	Whippany River Near Pine Brook	FW2-NT		23	12.46	25	0.0%	Full Attainment	
01382000	Passaic River At Two Bridges	FW2-NT		62	13.16	27.5	0.0%	Full Attainment	
01382410	Macopin River At Echo Lake	FW2-NT		7	12.37	20.5	0.0%	Full Attainment	
01382450	Macopin River At Macopin Reservoir	FW2-NT		12	10.38	21	0.0%	Full Attainment	
01382500	Pequannock River At Macopin Intake Dam	FW2-TM	FW2-TPC1	24	10.46	23	12.5%	Non Attainment	
01382800	Pequannock River At Riverdale	FW2-TMC1		4	17.00	21	25.0%	Insufficient Data - Possibly Non Attainment	
01383505	Wanaque River Near Awosting	FW2-TPC1	FW2-TMC1	5	12.42	22.5	20.0%	Insufficient Data - Possibly Non Attainment	
01387010	Wanaque River At Highland Avenue	FW2-NT		4	9.75	13	0.0%	Full Attainment	
01387041	Wanaque River At Pompton Lakes	FW2-NT		4	17.38	21.5	0.0%	Insufficient Data	
01387500	Ramapo River Near Mahwah	FW2-NT		22	11.18	23	0.0%	Full Attainment	
01388000	Ramapo R At Pompton Lakes	FW2-NT		14	15.14	25.6	0.0%	Full Attainment	

Table II-3. Data Summary of Temperature in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Average	Maximum Value	Exceedance %	Assessment	
01388100	Ramapo River At Dawes Highway	FW2-NT		4	20.88	26	0.0%	Insufficient Data - Possibly Full Attainment	
01388500	Pompton River At Pompton Plains	FW2-NT		12	11.93	24	0.0%	Full Attainment	
01389005	Passaic R Below Pompton R At Two Br	FW2-NT		14	14.89	24.5	0.0%	Full Attainment	
01389080	Preakness Brook Near Little Fa	FW2-NT		4	16.25	20	0.0%	Insufficient Data - Possibly Full Attainment	
01389138	Deepavaal Brook At Fairfield	FW2-NT		4	17.50	21.5	0.0%	Insufficient Data - Possibly Full Attainment	
01389500	Passaic River At Little Falls	FW2-NT		25	13.98	26	0.0%	Full Attainment	
01389600	Peckman River At West Patterson	FW2-NT		4	16.75	21	0.0%	Insufficient Data - Possibly Full Attainment	
01389850	Goffle Brook At Hawthorne	FW2-NT		4	16.63	20.5	0.0%	Insufficient Data - Possibly Full Attainment	
01389860	Diamond Bk At Fair Lawn	FW2-NT		4	10.25	18.5	0.0%	Full Attainment	
01389880	Passaic R At Elmwood Pk	FW2-NT		15	13.30	26	0.0%	Full Attainment	
01390445	WB Saddle R At Upper Saddle River	FW2-TPC1		4	10.75	19.5	0.0%	Insufficient Data - Possibly Full Attainment	
01390470	Saddle River At Saddle River	FW2-NT/SE3	FW2-TPC1, FW2-TM	4	11.25	21	25.0%	Insufficient Data - Possibly Non Attainment	
01390500	Saddle R At Ridgewood	FW2-NT/SE3	FW2-TPC1, FW2-TM	34	11.16	20.5	2.9%	Full Attainment	
01390510	Saddle River At Ridgewood Avenue At Ridgewood	FW2-NT/SE3		4	10.75	22	0.0%	Full Attainment	

Table II-3. Data Summary of Temperature in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Average	Maximum Value	Exceedance %	Assessment	
01390518	Saddle River At Grove Street A	FW2-NT/SE3		4	16.88	21.5	0.0%	Insufficient Data - Possibly Full Attainment	
01390900	Ramsey Brook At Allendale	FW2-NT/SE2		4	12.88	19	0.0%	Full Attainment	
01391100	Hohokus Brook At Mouth At Paramus	FW2-NT/SE3		4	18.50	22	0.0%	Insufficient Data - Possibly Full Attainment	
01391490	Saddle River At Rochelle Park	FW2-NT/SE3		4	13.63	18.5	0.0%	Full Attainment	
01391500	Saddle River At Lodi	FW2-NT/SE3		24	12.13	24	0.0%	Full Attainment	
01393350	WB Elizabeth River Near Union	FW2-NT		4	12.38	23.5	0.0%	Full Attainment	
01393450	Elizabeth R At Ursino Lk At Elizabe	FW2-NT		15	13.50	25	0.0%	Full Attainment	
01393960	WB Rahway R. At Northfield Ave. At West Orange	FW2-NT		4	9.50	20.5	0.0%	Full Attainment	
01394500	Rahway River Near Springfield	FW2-NT		25	11.67	20.5	0.0%	Full Attainment	
01395000	Rahway River At Rahway	FW2-NT		22	12.80	23	0.0%	Full Attainment	
01395200	Robinson Branch At Scotch Plains	FW2-NT		4	12.00	20	0.0%	Full Attainment	
01396003	Robinson Br At St Georges Av At Rahway	FW2-NT		4	12.63	20.5	0.0%	Full Attainment	
01396219	Stony Brook At Fairview Avenue At Naughright	FW2-TPC1		4	8.13	13.5	0.0%	Full Attainment	
01396280	SB Raritan R At Middle Valley	FW2-TPC1	FW2-TM	15	10.70	21	13.3%	Non Attainment	
01396535	SB Raritan R Arch St At High Bridge	FW2-TM		17	11.50	24	17.6%	Non Attainment	
01396550	Spruce Run At Newport	FW2-TPC1		12	10.46	20.5	16.7%	Non Attainment	
01396588	Spruce Run Nr Glen Gardner	FW2-TMC1	FW2-TPC1	17	11.10	24	11.8%	Non Attainment	
01396660	Mulhockaway Creek At Van Syckel	FW2-TPC1		24	10.25	20.5	4.2%	Full Attainment	
01397000	SB Raritan R At Stanton Station	FW2-TM		15	13.50	27	33.3%	Non Attainment	
01397400	SB Raritan R At Three Bridges	FW2-NT		15	13.80	27	0.0%	Full Attainment	
01398000	Neshanic River At Reaville	FW2-NT	FW2-TM	95	11.42	25.9	0.0%	Full Attainment	
01398070	SB Raritan River At Neshanic Station	FW2-NT		4	13.13	21.5	0.0%	Full Attainment	
01398102	SB Raritan River At South Branch	FW2-NT	FW2-TM	12	13.04	29.5	0.0%	Full Attainment	
01398260	NB Raritan R Nr Chester	FW2-TPC1		15	10.40	19	0.0%	Full Attainment	

Table II-3. Data Summary of Temperature in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Average	Maximum Value	Exceedance %	Assessment	
01398300	Dawsons Brook Near Ironia	FW2-TPC1		4	9.38	16	0.0%	Insufficient Data - Possibly Full Attainment	
01399100	Middle Brook At Burnt Mills	FW2-NT		4	10.00	19	0.0%	Full Attainment	
01399120	NB Raritan R At Burnt Mills	FW2-NT		15	11.90	25	0.0%	Full Attainment	
01399500	Lamington (Black)R Nr Pottersville	FW2-TPC1	FW2-TMC1, FW2-NTC1	17	10.50	24	5.9%	Full Attainment	
01399700	Rockaway Ck At Whitehouse	FW2-NT	FW2-TM	15	12.00	25	0.0%	Full Attainment	
01399780	Lamington River At Burnt Mills	FW2-NT	FW2-TPC1, FW2-TM	24	11.60	24.2	0.0%	Full Attainment	
01399900	Chambers Brook At North Branch Depot	FW2-NT		4	10.00	19.5	0.0%	Full Attainment	
01400000	North Branch Raritan River Near Raritan	FW2-NT		12	11.21	23.5	0.0%	Full Attainment	
01400395	Peters Brook At Rt 28 At Somerville	FW2-NT		4	11.50	19.5	0.0%	Full Attainment	
01400500	Raritan R At Manville	FW2-NT		15	13.20	26	0.0%	Full Attainment	
01400540	Millstone R Nr Manalapan	FW2-NT		15	11.10	23	0.0%	Full Attainment	
01400585	Rocky Brook At Perrineville	FW2-NT		8	13.50	27	0.0%	Full Attainment	
01400640	Millstone River Near Grovers M	FW2-NT		8	13.56	24.5	0.0%	Full Attainment	
01400650	Millstone River At Grovers Mill	FW2-NT		9	11.80	23	0.0%	Full Attainment	
01400690	Cranbury Book Near Prospect Plains	FW2-NT		4	10.75	18	0.0%	Full Attainment	
01401000	Stony Brook At Princeton	FW2-NT		40	12.46	26	0.0%	Full Attainment	
01401200	Duck Pond Run at Clarksville	FW2-NT		4	11.40	19	0.0%	Full Attainment	
01401400	Heathcote Brook At Kingston	FW2-NT		12	12.67	22	0.0%	Full Attainment	
01401600	Bedens Brook Nr Rocky Hill	FW2-NT		17	11.30	23	0.0%	Full Attainment	
01401700	Pike Run Near Rocky Hill	FW2-NT		4	10.88	21	0.0%	Full Attainment	
01402000	Millstone River At Blackwells Mills	FW2-NT		22	12.11	24	0.0%	Full Attainment	
01403300	Raritan R At Queens Bridge	FW2-NT		44	15.80	28	0.0%	Full Attainment	
01403385	Bound Brook At Route 28 At Middlesex	FW2-NT		12	15.25	25	0.0%	Full Attainment	
01403470	Green Brook At North Plainfield	FW2-TM	FW2-NT	4	11.50	20	0.0%	Insufficient Data - Possibly Full Attainment	

Table II-3. Data Summary of Temperature in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Average	Maximum Value	Exceedance %	Assessment	
01403900	Bound Bk At Middlesex	FW2-NT		56	13.50	22.7	0.0%	Full Attainment	
01404470	Ireland Brook At Patricks Corners	FW2-NT		4	11.25	23	0.0%	Full Attainment	
01405195	Matchaponix Brook At Englishtown	FW2-NT		4	10.38	19	0.0%	Full Attainment	
01405285	Barclay Bk Near Englishtown	FW2-NT		4	8.88	23	0.0%	Full Attainment	
01405302	Matchaponix Bk At Spotswood	FW2-NT		15	11.90	25	0.0%	Full Attainment	
01405340	Manalapan Brook At Federal Rd Nr Manalapan	FW2-NT		22	11.82	24	0.0%	Full Attainment	
01407090	Town Brook At Middletown	FW2-NT/SE1		4	10.50	22	0.0%	Full Attainment	
01407360	Yellow Brook Near Malboro	FW2-NT		4	11.13	18.5	0.0%	Full Attainment	
01407630	Poplar Brook At Deal	FW2-NT/SE1		4	10.25	19	0.0%	Full Attainment	
01407720	Jumping Brook At Green Grove	FW2-NT/SE1		4	10.13	19.5	0.0%	Full Attainment	
01407868	Long Brook At Wyckoff Mills	FW2-NT		12	11.50	23	0.0%	Full Attainment	
01407997	Marsh Bog Brook At Squankum	FW2-NT		4	10.63	15.5	0.0%	Full Attainment	
01408000	Manasquan River At Squankum	FW2-TM		23	11.63	22	4.3%	Full Attainment	
01408009	Mingamahone Brook Near Earle	FW2-TM		12	11.08	19.5	0.0%	Full Attainment	
01408100	NB Metedeconk River At Lakewood	FW2-TM	FW2-NT	12	11.29	23	25.0%	Non Attainment	
01408152	SB Metedeconk River Near Laurelton	FW2-NT		4	14.00	24	0.0%	Full Attainment	
01408285	Maple Root Br At Bowman Rd Near Homansville	PL-TM		4	9.50	18.5	0.0%	Insufficient Data - Possibly Full Attainment	
01408480	Shannoc Brook Trib At Colliers Mills	PL		4	13.50	24.5	0.0%	Full Attainment	
01408500	Toms River Near Toms River	FW2-NT/SE1	FW2-TM, PL-TM	23	11.99	22.5	0.0%	Full Attainment	
01408830	Cedar Brook At Cedar Crest	PL		12	14.08	24.5	0.0%	Full Attainment	
01409050	North Branch Forked River Near Forked River	PL		8	10.56	19	0.0%	Full Attainment	
01409375	Mullica R Nr Atco	PL		21	16.24	29.5	0.0%	Full Attainment	
01409383	Mullica R At Indian Mills	PL		18	12.53	22	0.0%	Full Attainment	
01409387	Mullica River At Outlet Of Atsion Lake At Atsion	PL		22	14.32	29	0.0%	Full Attainment	
0140940050	Mullica R Nr Batsto	PL		18	14.28	23	0.0%	Full Attainment	
01409401	Hays Mill Cr At Atco	PL		21	15.55	27	0.0%	Full Attainment	

Table II-3. Data Summary of Temperature in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Average	Maximum Value	Exceedance %	Assessment	
01409402	Hays Mill Cr Nr Chesilhurst	PL		21	13.50	20.5	0.0%	Full Attainment	
0140940370	Sleeper Branch Nr Atsion	PL		22	13.05	22	0.0%	Full Attainment	
0140940480	Clark Branch Nr Atsion	PL		20	11.25	21.5	0.0%	Full Attainment	
01409408	Pump Branch Near Waterford Works	PL		23	15.70	27	0.0%	Full Attainment	
0140940950	Blue Anchor Brook At Elm	PL		32	15.61	29.5	0.0%	Full Attainment	
0140940970	Albertson Branch Nr Elm	PL		22	14.21	23.6	0.0%	Full Attainment	
0140941070	Great Swamp Br Below Rt 206 Near Hammonton	PL		23	14.03	22	0.0%	Full Attainment	
01409411	Nescochague Cr At Pleasant Mills	PL		18	14.08	22.5	0.0%	Full Attainment	
01409416	Hammonton Creek At Westcoatville	PL		22	13.27	25	0.0%	Full Attainment	
01409432	Batsto R At Hampton Furnace	PL		18	12.31	18.5	0.0%	Full Attainment	
01409439	Skit Branch At Hampton Furnace	PL		19	14.08	21.5	0.0%	Full Attainment	
01409449	Indian Mills Brook At Indian Mills	PL		4	12.88	22.5	0.0%	Full Attainment	
01409455	Springers Bk Nr Hampton Furnace	PL		18	14.74	23.5	0.0%	Full Attainment	
01409470	Batsto R At Quaker Bridge	PL		18	13.33	20.5	0.0%	Full Attainment	
01409500	Batsto River At Batsto	PL		22	13.27	25	0.0%	Full Attainment	
01409600	Landing Creek Near Egg Harbor City	PL		4	9.88	16	0.0%	Full Attainment	
01409690	W Branch Wading River At Chatsworth	PL		4	12.88	21.5	0.0%	Full Attainment	
01409750	West Br Wading R Nr Jenkins	PL		19	13.72	21	0.0%	Full Attainment	
01409780	Tulpehocken Cr Nr Jenkins	PL		18	14.58	22.5	0.0%	Full Attainment	
01409815	West Branch Wading River At Maxwell	PL		12	12.46	22	0.0%	Full Attainment	
01409960	Papoose Branch Near Sim Place	PL		4	11.00	15.5	0.0%	Full Attainment	
01410000	Oswego R At Harrisville	PL		5	13.00	26	0.0%	Full Attainment	
01410150	East Branch Bass River Near New Gretna	PL		22	11.73	20.5	0.0%	Full Attainment	
01410455	South Branch Absecon Creek Near Pomona	PL		4	11.88	16.5	0.0%	Full Attainment	
01410784	Great Egg Harbor R Nr Sicklerville	PL	FW2-NT(PL)	57	12.60	22	0.0%	Full Attainment	
01411000	Great Egg Harbor R At Folsom	PL		15	10.90	21	0.0%	Full Attainment	
01411035	Hospitality Branch At Blue Bell Road Near Cecil	PL		12	12.96	21	0.0%	Full Attainment	

Table II-3. Data Summary of Temperature in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Average	Maximum Value	Exceedance %	Assessment	
01411050	Hospitality Branch Near Cecil	PL		4	13.13	25	0.0%	Insufficient Data - Possibly Full Attainment	
01411110	Great Egg Harbor River At Weymouth	PL		24	12.48	22.5	0.0%	Full Attainment	
01411196	Babcock Creek Near Mays Landing	PL		12	11.63	20	0.0%	Full Attainment	
01411220	South River Near Belcoville	PL		4	12.25	17	0.0%	Full Attainment	
01411241	Gibson Creek At Rt 50 Near Corbin City	FW2-NT/SE1		4	10.38	13.5	0.0%	Full Attainment	
01411400	Fishing Creek At Rio Grande	FW2-NT/SE1		12	15.71	28	0.0%	Full Attainment	
01411428	Dennis Creek Trib 2 At Dennisville	PL		4	15.50	24	0.0%	Insufficient Data - Possibly Full Attainment	
01411440	Old Robins Branch Near North Dennis	FW2-NTC1/SE1		3	8.17	16.5	0.0%	Insufficient Data	
01411441	Savages Run In Belleplain State Forest	PL		4	10.63	15	0.0%	Full Attainment	
01411444	West Creek At Leesburg	PL		8	13.38	24.5	0.0%	Full Attainment	
01411453	Still Run Near Malaga	FW2-NT		4	11.63	17	0.0%	Full Attainment	
01411458	Little Ease Run At Porchtown	FW2-NT	FW1	4	13.50	21	0.0%	Full Attainment	
01411466	Indian Branch Near Malaga	FW2-NT		12	11.50	19	0.0%	Full Attainment	
01411500	Maurice River At Norma	FW2-NT/SE1		21	14.18	25	0.0%	Full Attainment	
01411780	Muddy Run Near Norma	FW2-NT		4	12.63	21	0.0%	Full Attainment	
01411800	Maurice River Near Millville	FW2-NT/SE1		4	14.88	24	0.0%	Full Attainment	
01411950	Buckshutem Creek Near Laurel Lake	FW2-NTC1		4	10.88	20.5	0.0%	Full Attainment	
01411955	Gravelly Run At Laurel Lake	FW1		12	12.04	19	0.0%	Full Attainment	
01412200	Pages Run At Newport	FW2-NTC1/SE1		4	13.63	25.5	0.0%	Insufficient Data - Possibly Full Attainment	
01412800	Cohansey River At Seeley	FW2-NT/SE1		23	13.72	23	0.0%	Full Attainment	
01413065	Canton Drain At Maskell Mill	FW2-NT/SE1		4	12.75	23	0.0%	Full Attainment	

Table II-3. Data Summary of Temperature in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Average	Maximum Value	Exceedance %	Assessment	
01439830	Big Flat Brook At Tuttles Corner	FW2-TPC1	FW1-TP/NT, FW2-NTC1	4	9.50	18.5	0.0%	Insufficient Data - Possibly Full Attainment	
01440000	Flat Brook Near Flatbrookville	FW2-TM	FW1-TP/NT, FW2-TP	22	11.61	21.5	13.6%	Non Attainment	
01442760	Dunnfield Creek At Dunnfield	FW1-TP		12	9.33	20.5	8.3%	Full Attainment	
01443370	Dry Bk at Rt 519 Near Branchville	FW2-NT		4	10.13	22	0.0%	Full Attainment	
01443440	Paulins Kill At Balesville	FW2-NT	FW2-TM	15	11.50	22	0.0%	Full Attainment	
01443500	Paulins Kill At Blairstown	FW2-TM	FW2-TPC, FW2-NT	23	11.66	23	17.4%	Non Attainment	
01443550	Jacksonburg Creek Near Millbrook	FW2-TM	FW2-NT	4	9.75	16.5	0.0%	Insufficient Data - Possibly Full Attainment	
01443600	Jacksonburg Creek Near Blairstown	FW2-TM		4	9.50	16.5	0.0%	Insufficient Data - Possibly Full Attainment	
01444970	Pequest River At Rt206 Below Springdale	FW2-TM	FW2-NT	4	11.00	22	25.0%	Insufficient Data - Possibly Non Attainment	
01445000	Pequest River at Huntsville	FW2-TM	FW2-NT	4	10.13	16	0.0%	Insufficient Data - Possibly Full Attainment	
01445500	Pequest R At Pequest	FW2-TM	FW2-NT	15	10.50	19	0.0%	Full Attainment	
01446400	Pequest River At Belvidere	FW2-TM	FW2-NT	12	11.08	20.5	16.7%	Non Attainment	
01455200	Pohatcong Ck At New Village	FW2-TM	FW2-TPC1	15	11.70	22	20.0%	Non Attainment	
01456200	Musconetcong R At Beattystown	FW2-TM		15	11.80	24	13.3%	Non Attainment	
01457000	Musconetcong R Nr Bloomsbury	FW2-TM		15	11.70	23	6.7%	Full Attainment	
01457400	Musconetcong River At Riegelsville	FW2-TM		24	12.24	23	12.5%	Non Attainment	
01458570	Nishisakawick Creek Near Frenchtown	FW2-NT		12	11.58	22	0.0%	Full Attainment	
01461220	Wickecheoke Creek At Croton	FW2-NT		3	13.67	22.5	0.0%	Insufficient Data	

Table II-3. Data Summary of Temperature in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Average	Maximum Value	Exceedance %	Assessment	
01461262	Plum Brook Near Locktown	FW2-TM		3	6.17	12.5	0.0%	Insufficient Data	
01462739	Jacobs Creek At Bear Tavern	FW2-NT		4	11.13	18.5	0.0%	Full Attainment	
01463620	Assunpink Ck Nr Clarksville	FW2-NT		15	14.50	27	0.0%	Full Attainment	
01463810	Shabakunk Creek Near Lawrenceville	FW2-NT		4	19.63	23.2	0.0%	Full Attainment	
01463850	Miry Run At Route 533 At Mercerville	FW2-NT		12	12.67	24.5	0.0%	Full Attainment	
01464000	Assunpink Cr At Trenton	FW2-NT		10	13.80	25	0.0%	Full Attainment	
01464020	Assunpink Creek At Peace Street At Trenton	FW2-NT		13	14.08	25	0.0%	Full Attainment	
01464420	Crosswicks Creek Near New Egypt	FW2-NT		4	12.13	23	0.0%	Full Attainment	
01464440	Lahaway Creek At Rt 537 At Mercerville	FW2-NT		4	13.00	24.5	0.0%	Full Attainment	
01464500	Crosswicks Ck At Extonville	FW2-NT		15	13.50	26	0.0%	Full Attainment	
01464504	Crosswicks Cr. At Groveville Rd. At Groveville	FW2-NT		11	12.82	24	0.0%	Full Attainment	
01464515	Doctors Creek At Allentown	FW2-NT		23	13.61	25.5	0.0%	Full Attainment	
01464529	Bacons Creek Near Mansfield Square	FW2-NT		8	9.75	18.5	0.0%	Full Attainment	
01464578	Annaricken Brook Near Jobstown	FW2-NT		4	10.63	17.5	0.0%	Full Attainment	
01464583	NB Barkers Brook Near Jobstown	FW2-NT		12	13.00	24.5	0.0%	Full Attainment	
01465850	SB Rancocas Ck At Vincentown	FW2-NT		15	12.40	27	0.0%	Full Attainment	
01465884	Sharps Run At Rt 541 At Medford	FW2-NT		4	12.63	21	0.0%	Full Attainment	
01465893	Little Creek At Chairville	PL	FW2-NT	11	12.05	23.5	0.0%	Full Attainment	
01465950	NB Rancocas Ck At Hanover Furnace	PL		8	12.15	21	0.0%	Full Attainment	
01466200	Pole Bridge Br Near Browns Mills	PL		4	12.88	22	0.0%	Full Attainment	
01466500	McDonalds Branch In Lebanon State Forest	FW1		12	10.75	16.5	0.0%	Full Attainment	
01467000	NB Rancocas Ck At Pemberton	PL	FW2-NT(PL)	15	12.20	25	0.0%	Full Attainment	
01467005	NB Rancocas Creek At Iron Works Park At Mt Holly	FW2-NT		4	13.00	19.5	0.0%	Full Attainment	
01467006	NB Rancocas Creek At Pine St At Mt Holly	FW2-NT		8	13.13	25.5	0.0%	Full Attainment	
01467069	NB Pennsauken Ck Nr Morrestown	FW2-NT		15	14.00	30	0.0%	Full Attainment	

Table II-4. Data Summary of Dissolved Oxygen in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Average	Minimum Value	Exceedance %	Assessment
01367625	Wallkill River At Sparta	FW2-TM	FW2-NT, FW2-TPC1	12	97.25	7.3	0.0%	Full Attainment
01367715	Wallkill River At Scott Road At Franklin	FW2-NT		4	90.50	7.3	0.0%	Full Attainment
01367770	Wallkill River Near Sussex	FW2-NT		22	84.32	6.8	0.0%	Full Attainment
01367780	Papakating Creek Near Wykertown	FW2-TM	FW2-NT	4	107.25	9.6	0.0%	Full Attainment
01367800	Papakating Creek At Pelletown	FW2-NT		8	102.00	8.5	0.0%	Full Attainment
01367850	WB Papakating Ck At McCoys Corner	FW2-NT		4	103.50	9.1	0.0%	Full Attainment
01367860	Papakating Creek Near Sussex	FW2-NT		4	93.50	8.3	0.0%	Full Attainment
01367910	Papakating Ck At Sussex	FW2-NT		14	9.30	5.7	0.0%	Full Attainment
01368000	Wallkill R Nr Unionville	FW2-NT		13	8.90	5.1	0.0%	Full Attainment
01368820	Double Kill At Waywayanda	FW2-NTC1	FW1	12	86.83	4.5	0.0%	Full Attainment
01368950	Black Creek Nr Vernon	FW2-NT	FW2-TPC1, FW2-TM	14	7.90	3.8	7.1%	Full Attainment
01376970	Hackensack River At Old Tappan	FW2-NT		4	107.50	9.3	0.0%	Full Attainment
01377000	Hackensack River At Rivervale	FW2-NT		21	82.71	5.8	0.0%	Full Attainment
01377499	Musquapsink Brook At River Vale	FW2-NT		8	73.50	6.4	0.0%	Full Attainment
01377500	Pascack Brook At Westwood	FW2-NT		8	79.00	5.7	0.0%	Full Attainment
01378387	Tenakill Brook At Cedar Lane At Closter	FW2-NT		4	74.25	6.1	0.0%	Full Attainment
01378560	Coles Brook At Hackensack	FW2-NT/SE1		12	73.67	4.1	0.0%	Full Attainment
01378780	Primrose Brook At Morristown National Park	FW2-TPC1	FW2-NT	12	94.42	8.3	0.0%	Full Attainment
01378855	Black Brook At Madison	FW2-NT		8	82.00	5	0.0%	Full Attainment
01379000	Passaic R Nr Millington	FW2-NT		16	6.10	2.3	25.0%	Non Attainment
01379200	Dead River Near Millington	FW2-NT		16	74.94	4.6	0.0%	Full Attainment
01379500	Passaic R Nr Catham	FW2-NT		15	8.10	4.6	0.0%	Full Attainment
01379530	Canoe Brook near Summit	FW2-NT		4	78.25	3.7	25.0%	Insufficient Data - Possibly Non Attainment
01379680	Rockaway River At Longwood Valley	FW2-NT		5	80.20	6.7	0.0%	Full Attainment
01379700	Rockaway River At Berkshire Va	FW2-NT		4	75.25	8	0.0%	Insufficient Data - Possibly Full Attainment
01379800	Green Pond Brook At Dover	FW2-NT		4	83.25	5.5	0.0%	Insufficient Data - Possibly Full Attainment

Table II-4. Data Summary of Dissolved Oxygen in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Average	Minimum Value	Exceedance %	Assessment
01379853	Rockaway River At Blackwell St	FW2-NT	FW2-TPC1, FW2-TM	4	91.00	6.5	0.0%	Insufficient Data - Possibly Full Attainment
01380100	Beaver Brook At Rockaway	FW2-NT		12	87.75	6.9	0.0%	Full Attainment
01380320	Stony Brook At Boonton	FW2-NT		4	86.75	7.7	0.0%	Full Attainment
01380500	Rockaway R At Boonton	FW2-NT		15	10.00	6.3	0.0%	Full Attainment
01381050	Crooked Brook Near Towaco	FW2-NT		4	96.50	9	0.0%	Full Attainment
01381200	Rockaway R At Pine Brook	FW2-NT		14	9.60	6.1	0.0%	Full Attainment
01381500	Whippany R At Morristown	FW2-NT		15	11.20	8.3	0.0%	Full Attainment
01381800	Whippany River Near Pine Brook	FW2-NT		23	72.26	2.7	13.0%	Non Attainment
01382000	Passaic River At Two Bridges	FW2-NT		61	75.87	2.9	6.6%	Full Attainment
01382410	Macopin River At Echo Lake	FW2-NT		7	93.29	5.2	0.0%	Full Attainment
01382450	Macopin River At Macopin Reservoir	FW2-NT		12	98.83	8.2	0.0%	Full Attainment
01382500	Pequannock River At Macopin Intake Dam	FW2-TM	FW2-TPC1	23	97.35	6.6	0.0%	Full Attainment
01382800	Pequannock River At Riverdale	FW2-TMC1		4	97.50	8.4	0.0%	Insufficient Data - Possibly Full Attainment
01383505	Wanaque River Near Awosting	FW2-TPC1	FW2-TMC1	5	93.60	7.9	0.0%	Insufficient Data - Possibly Full Attainment
01387010	Wanaque River At Highland Avenue At Wanaque	FW2-NT		4	88.50	7.3	0.0%	Full Attainment
01387041	Wanaque River At Pompton Lakes	FW2-NT		4	77.25	6.5	0.0%	Insufficient Data - Possibly Full Attainment
01387500	Ramapo River Near Mahwah	FW2-NT		22	90.45	5.8	0.0%	Full Attainment
01388000	Ramapo R At Pompton Lakes	FW2-NT		14	96.07	5.89	0.0%	Full Attainment
01388100	Ramapo River At Dawes Highway	FW2-NT		4	84.00	5.7	0.0%	Insufficient Data - Possibly Full Attainment
01388500	Pompton River At Pompton Plains	FW2-NT		12	96.42	7.7	0.0%	Full Attainment
01389005	Passaic R Below Pompton R At Two Br	FW2-NT		14	87.29	4.7	0.0%	Full Attainment
01389080	Preakness Brook Near Little Fa	FW2-NT		4	98.00	8.4	0.0%	Insufficient Data - Possibly Full Attainment

Table II-4. Data Summary of Dissolved Oxygen in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Average	Minimum Value	Exceedance %	Assessment
01389138	Deepavaal Brook At Fairfield	FW2-NT		4	57.00	3.4	25.0%	Insufficient Data - Possibly Non Attainment
01389500	Passaic River At Little Falls	FW2-NT		24	97.54	6.6	0.0%	Full Attainment
01389600	Peckman River At West Patterson	FW2-NT		4	95.50	7.4	0.0%	Insufficient Data - Possibly Full Attainment
01389850	Goffle Brook At Hawthorne	FW2-NT		4	88.75	6.9	0.0%	Insufficient Data - Possibly Full Attainment
01389860	Diamond Bk At Fair Lawn	FW2-NT		4	84.50	8	0.0%	Full Attainment
01389880	Passaic R At Elmwood Pk	FW2-NT		14	9.90	6.2	0.0%	Full Attainment
01390445	WB Saddle R At Upper Saddle River	FW2-TPC1		4	88.75	8.1	0.0%	Insufficient Data - Possibly Full Attainment
01390470	Saddle River At Saddle River	FW2-NT/SE3	FW2-TPC1, FW2-TM	4	85.00	7.3	0.0%	Full Attainment
01390500	Saddle R At Ridgewood	FW2-NT/SE3	FW2-TPC1, FW2-TM	31	105.58	8.6	0.0%	Full Attainment
01390510	Saddle River At Ridgewood Avenue At Ridgewood	FW2-NT/SE3		4	81.25	5.3	0.0%	Full Attainment
01390518	Saddle River At Grove Street A	FW2-NT/SE3		4	106.75	10	0.0%	Insufficient Data - Possibly Full Attainment
01390900	Ramsey Brook At Allendale	FW2-NT/SE2		4	91.00	7.5	0.0%	Full Attainment
01391100	Hohokus Brook At Mouth At Paramus	FW2-NT/SE3		4	62.50	4.9	0.0%	Insufficient Data - Possibly Full Attainment
01391490	Saddle River At Rochelle Park	FW2-NT/SE3		4	85.25	6.6	0.0%	Full Attainment
01391500	Saddle River At Lodi	FW2-NT/SE3		23	73.74	4.6	0.0%	Full Attainment
01393350	WB Elizabeth River Near Union	FW2-NT		4	68.50	5.3	0.0%	Insufficient Data - Possibly Full Attainment
01393450	Elizabeth R At Ursino Lk At Elizabe	FW2-NT		14	9.80	6.5	0.0%	Full Attainment
01393960	WB Rahway R. At Northfield Ave. At West Orange	FW2-NT		4	81.67	6	0.0%	Insufficient Data - Possibly Full Attainment

Table II-4. Data Summary of Dissolved Oxygen in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Average	Minimum Value	Exceedance %	Assessment
01394500	Rahway River Near Springfield	FW2-NT		24	74.88	5.6	0.0%	Full Attainment
01395000	Rahway River At Rahway	FW2-NT		22	86.95	3.9	4.5%	Full Attainment
01395200	Robinson Branch At Scotch Plains	FW2-NT		4	83.50	6.9	0.0%	Full Attainment
01396003	Robinson Br At St Georges Av At Rahway	FW2-NT		4	82.00	6.4	0.0%	Full Attainment
01396219	Stony Brook At Fairview Avenue At Naughtright	FW2-TPC1		4	99.25	10	0.0%	Full Attainment
01396280	SB Raritan R At Middle Valley	FW2-TPC1	FW2-TM	14	11.10	8.1	0.0%	Full Attainment
01396535	SB Raritan R Arch St At High Bridge	FW2-TM		15	11.00	8.5	0.0%	Full Attainment
01396550	Spruce Run At Newport	FW2-TPC1		12	100.83	9	0.0%	Full Attainment
01396588	Spruce Run Nr Glen Gardner	FW2-TMC1	FW2-TPC1	15	11.00	8.8	0.0%	Full Attainment
01396660	Mulhockaway Creek At Van Syckel	FW2-TPC1		23	98.87	8.2	0.0%	Full Attainment
01397000	SB Raritan R At Stanton Station	FW2-TM		14	11.20	8.5	0.0%	Full Attainment
01397400	SB Raritan R At Three Bridges	FW2-NT		14	10.60	7.8	0.0%	Full Attainment
01398000	Neshanic River At Reaville	FW2-NT	FW2-TM	89	103.44	4.8	0.0%	Full Attainment
01398070	SB Raritan River At Neshanic Station	FW2-NT	FW2-TM	4	98.75	8.5	0.0%	Full Attainment
01398102	SB Raritan River At South Branch	FW2-NT	FW2-TM	12	102.42	6.1	0.0%	Full Attainment
01398260	NB Raritan R Nr Chester	FW2-TPC1		14	11.00	8.4	0.0%	Full Attainment
01398300	Dawsons Brook Near Ironia	FW2-TPC1		4	91.50	8.5	0.0%	Insufficient Data - Possibly Full Attainment
01399100	Middle Brook At Burnt Mills	FW2-NT		4	96.75	8.5	0.0%	Full Attainment
01399120	NB Raritan R At Burnt Mills	FW2-NT		14	11.50	8.2	0.0%	Full Attainment
01399500	Lamington (Black)R Nr Pottersville	FW2-TPC1	FW2-TMC1, FW2-NTC1	15	10.90	8.5	0.0%	Full Attainment
01399700	Rockaway Ck At Whitehouse	FW2-NT	FW2-TM	14	10.70	7.5	0.0%	Full Attainment
01399780	Lamington River At Burnt Mills	FW2-NT	FW2-TPC1, FW2-TM	23	99.23	7.3	0.0%	Full Attainment
01399900	Chambers Brook At North Branch Depot	FW2-NT		4	89.50	7.7	0.0%	Full Attainment
01400000	North Branch Raritan River Near Raritan	FW2-NT		11	100.09	8.6	0.0%	Full Attainment
01400395	Peters Brook At Rt 28 At Somerville	FW2-NT		4	102.75	8.5	0.0%	Full Attainment
01400500	Raritan R At Manville	FW2-NT		14	10.90	6.6	0.0%	Full Attainment
01400540	Millstone R Nr Manalapan	FW2-NT		14	10.40	7.8	0.0%	Full Attainment
01400585	Rocky Brook At Perrineville	FW2-NT		8	88.50	5.2	0.0%	Full Attainment
01400640	Millstone River Near Grovers M	FW2-NT		8	89.00	7.6	0.0%	Full Attainment
01400650	Millstone River At Grovers Mill	FW2-NT		9	84.00	6	0.0%	Full Attainment
01400690	Cranbury Book Near Prospect Plains	FW2-NT		4	75.75	6.3	0.0%	Full Attainment

Table II-4. Data Summary of Dissolved Oxygen in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Average	Minimum Value	Exceedance %	Assessment
01401000	Stony Brook At Princeton	FW2-NT		38	105.51	6.5	0.0%	Full Attainment
								Insufficient Data - Possibly Full
01401200	Duck Pond Run at Clarksville	FW2-NT		4	71.50	4.2	0.0%	Attainment
01401400	Heathcote Brook At Kingston	FW2-NT		12	84.92	6.88	0.0%	Full Attainment
01401600	Bedens Brook Nr Rocky Hill	FW2-NT		15	10.70	5.5	0.0%	Full Attainment
01401700	Pike Run Near Rocky Hill	FW2-NT		4	80.50	7	0.0%	Full Attainment
01402000	Millstone River At Blackwells Mills	FW2-NT		22	79.59	5.1	0.0%	Full Attainment
01403300	Raritan R At Queens Bridge	FW2-NT		68	98.26	6.1	0.0%	Full Attainment
01403385	Bound Brook At Route 28 At Middlesex	FW2-NT		12	80.33	4.9	0.0%	Full Attainment
								Insufficient Data - Possibly Full
01403470	Green Brook At North Plainfield	FW2-TM	FW2-NT	4	99.25	6.9	0.0%	Attainment
01403900	Bound Bk At Middlesex	FW2-NT		47	83.19	5.1	0.0%	Full Attainment
01404470	Ireland Brook At Patricks Corners	FW2-NT		4	91.25	7.4	0.0%	Full Attainment
01405195	Matchaponix Brook At Englishtown	FW2-NT		4	76.50	6.1	0.0%	Full Attainment
01405285	Barclay Bk Near Englishtown	FW2-NT		3	93.00	7.2	0.0%	Insufficient Data
01405302	Matchaponix Bk At Spotswood	FW2-NT		14	9.30	6.0	0.0%	Full Attainment
	Manalapan Brook At Federal Rd Nr Manalapan	FW2-NT		22	92.86	7.6	0.0%	Full Attainment
01407090	Town Brook At Middletown	FW2-NT/SE1		4	93.25	9.4	0.0%	Full Attainment
01407360	Yellow Brook Near Malboro	FW2-NT		4	84.25	7.8	0.0%	Full Attainment
01407630	Poplar Brook At Deal	FW2-NT/SE1		4	85.00	8.8	0.0%	Full Attainment
								Insufficient Data - Possibly Full
01407720	Jumping Brook At Green Grove	FW2-NT/SE1		4	62.00	5	0.0%	Attainment
01407868	Long Brook At Wyckoff Mills	FW2-NT		12	86.50	6.7	0.0%	Full Attainment
01407997	Marsh Bog Brook At Squankum	FW2-NT		4	77.75	6.3	0.0%	Full Attainment
01408000	Manasquan River At Squankum	FW2-TM		23	89.30	7	0.0%	Full Attainment
01408009	Mingamahone Brook Near Earle	FW2-TM		12	79.67	7.2	0.0%	Full Attainment
01408100	NB Metedeconk River At Lakewood	FW2-TM	FW2-NT	12	84.00	5	0.0%	Full Attainment
01408152	SB Metedeconk River Near Laurelton	FW2-NT		4	83.75	6.8	0.0%	Full Attainment
								Insufficient Data - Possibly Non
01408285	Maple Root Br At Bowman Rd Near Homansville	PL-TM		4	47.00	2.7	25.0%	Attainment

Table II-4. Data Summary of Dissolved Oxygen in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Average	Minimum Value	Exceedance %	Assessment
01408480	Shannoc Brook Trib At Colliers Mills	PL		4	83.00	5.8	0.0%	Insufficient Data - Possibly Full Attainment
01408500	Toms River Near Toms River	FW2-NT/SE1	FW2-TM, PL-TM	22	87.27	6	0.0%	Full Attainment
01408830	Cedar Brook At Cedar Crest	PL		12	95.42	7.6	0.0%	Full Attainment
01409050	North Branch Forked River Near Forked River	PL		6	86.50	6.9	0.0%	Full Attainment
01409375	Mullica R Nr Atco	PL		21	92.95	6.1	0.0%	Full Attainment
01409383	Mullica R At Indian Mills	PL		18	55.61	1.6	16.7%	Non Attainment
01409387	Mullica River At Outlet Of Atsion Lake At Atsion	PL		22	90.50	5.9	0.0%	Full Attainment
014094005	Mullica R Nr Batsto	PL		18	82.61	6	0.0%	Full Attainment
01409401	Hays Mill Cr At Atco	PL		21	78.95	3	9.5%	Full Attainment
01409402	Hays Mill Cr Nr Chesilhurst	PL		21	85.05	7.3	0.0%	Full Attainment
014094037	Sleeper Branch Nr Atsion	PL		22	87.23	7.2	0.0%	Full Attainment
014094048	Clark Branch Nr Atsion	PL		20	60.65	3.6	5.0%	Full Attainment
01409408	Pump Branch Near Waterford Works	PL		23	75.26	4.2	0.0%	Full Attainment
014094095	Blue Anchor Brook At Elm	PL		32	95.47	5.8	0.0%	Full Attainment
014094097	Albertson Branch Nr Elm	PL		22	82.32	6.5	0.0%	Full Attainment
014094107	Great Swamp Br Below Rt 206 Near Hammonton	PL		23	65.74	3	4.3%	Full Attainment
01409411	Nescochague Cr At Pleasant Mills	PL		18	88.44	7.4	0.0%	Full Attainment
01409416	Hammonton Creek At Westcoatville	PL		22	82.62	5.8	0.0%	Full Attainment
01409432	Batsto R At Hampton Furnace	PL		18	82.78	7	0.0%	Full Attainment
01409439	Skit Branch At Hampton Furnace	PL		19	82.74	6.3	0.0%	Full Attainment
01409449	Indian Mills Brook At Indian Mills	PL		4	89.25	7	0.0%	Full Attainment
01409455	Springers Bk Nr Hampton Furnace	PL		18	79.67	5.2	0.0%	Full Attainment
01409470	Batsto R At Quaker Bridge	PL		18	81.56	6.4	0.0%	Full Attainment
01409500	Batsto River At Batsto	PL		22	85.67	5.9	0.0%	Full Attainment
01409600	Landing Creek Near Egg Harbor City	PL		4	57.00	4.4	0.0%	Insufficient Data - Possibly Full Attainment
01409690	W Branch Wading River At Chatsworth	PL		4	85.75	7.7	0.0%	Full Attainment
01409750	West Br Wading R Nr Jenkins	PL		19	82.05	6	0.0%	Full Attainment
01409780	Tulpehocken Cr Nr Jenkins	PL		18	78.72	6.2	0.0%	Full Attainment
01409815	West Branch Wading River At Maxwell	PL		12	87.75	7.2	0.0%	Full Attainment
01409960	Papoose Branch Near Sim Place	PL		4	77.25	6.8	0.0%	Full Attainment

Table II-4. Data Summary of Dissolved Oxygen in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Average	Minimum Value	Exceedance %	Assessment
01410000	Oswego R At Harrisville	PL		5	10.10	7.5	0.0%	Full Attainment
01410150	East Branch Bass River Near New Gretna	PL		22	71.95	5.5	0.0%	Full Attainment
01410455	South Branch Absecon Creek Near Pomona	PL		4	93.00	9	0.0%	Full Attainment
01410784	Great Egg Harbor R Nr Sicklerville	PL	FW2-NT(PL)	51	8.00	3.4	3.9%	Full Attainment
01411000	Great Egg Harbor R At Folsom	PL		14	9.60	7.5	0.0%	Full Attainment
01411035	Hospitality Branch At Blue Bell Road Near Cecil	PL		12	84.92	6.67	0.0%	Full Attainment
01411050	Hospitality Branch Near Cecil	PL		4	85.25	6.9	0.0%	Full Attainment
01411110	Great Egg Harbor River At Weymouth	PL		23	87.13	7	0.0%	Full Attainment
01411196	Babcock Creek Near Mays Landing	PL		12	76.17	6.1	0.0%	Full Attainment
01411220	South River Near Belcoville	PL		4	92.75	9.2	0.0%	Full Attainment
01411241	Gibson Creek At Rt 50 Near Corbin City	FW2-NT/SE1		4	59.25	4.8	0.0%	Insufficient Data - Possibly Full Attainment
01411400	Fishing Creek At Rio Grande	FW2-NT/SE1		12	74.08	3.5	8.3%	Full Attainment
01411428	Dennis Creek Trib 2 At Dennisville	PL		4	90.75	7.6	0.0%	Full Attainment
01411440	Old Robins Branch Near North Dennis	FW2-NTC1/SE1		3	55.00	4.2	0.0%	Insufficient Data
01411441	Savages Run In Belleplain State Forest	PL		4	73.50	6.8	0.0%	Full Attainment
01411444	West Creek At Leesburg	PL		8	72.75	4.5	0.0%	Full Attainment
01411453	Still Run Near Malaga	FW2-NT		4	76.00	4.8	0.0%	Insufficient Data - Possibly Full Attainment
01411458	Little Ease Run At Porchtown	FW2-NT	FW1	4	82.00	7.1	0.0%	Full Attainment
01411466	Indian Branch Near Malaga	FW2-NT		12	69.83	5	0.0%	Full Attainment
01411500	Maurice River At Norma	FW2-NT/SE1		21	84.86	4.7	0.0%	Full Attainment
01411780	Muddy Run Near Norma	FW2-NT		4	83.75	7.1	0.0%	Full Attainment
01411800	Maurice River Near Millville	FW2-NT/SE1		4	86.50	7.6	0.0%	Full Attainment
01411950	Buckshutem Creek Near Laurel Lake	FW2-NTC1		4	64.67	5.9	0.0%	Insufficient Data - Possibly Full Attainment
01411955	Gravelly Run At Laurel Lake	FW1		12	80.67	6.5	0.0%	Full Attainment
01412200	Pages Run At Newport	FW2-NTC1/SE1		4	80.00	6.6	0.0%	Full Attainment
01412800	Cohansey River At Seeley	FW2-NT/SE1		23	87.35	6.4	0.0%	Full Attainment

Table II-4. Data Summary of Dissolved Oxygen in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Average	Minimum Value	Exceedance %	Assessment
01413065	Canton Drain At Maskell Mill	FW2-NT/SE1		4	70.00	5.5	0.0%	Insufficient Data - Possibly Full Attainment
01439830	Big Flat Brook At Tuttles Corner	FW2-TPC1	FW1-TP/NT, FW2-NTC1	4	103.25	10.2	0.0%	Insufficient Data - Possibly Full Attainment
01440000	Flat Brook Near Flatbrookville	FW2-TM	FW1-TP/NT, FW2-TP	21	107.45	8.28	0.0%	Full Attainment
01442760	Dunnfield Creek At Dunnfield	FW1-TP		12	97.92	8.5	0.0%	Full Attainment
01443370	Dry Bk at Rt 519 Near Branchville	FW2-NT		4	91.00	6.3	0.0%	Full Attainment
01443440	Paulins Kill At Balesville	FW2-NT	FW2-TM	14	10.30	7.1	0.0%	Full Attainment
01443500	Paulins Kill At Blairstown	FW2-TM	FW2-TPC, FW2-NT	23	98.22	7.1	0.0%	Full Attainment
01443550	Jacksonburg Creek Near Millbrook	FW2-TM	FW2-NT	4	90.50	7.8	0.0%	Full Attainment
01443600	Jacksonburg Creek Near Blairstown	FW2-TM		4	99.00	8.9	0.0%	Full Attainment
01444970	Pequest River At Rt206 Below Springdale	FW2-TM	FW2-NT	4	77.75	4.8	25.0%	Insufficient Data - Possibly Non Attainment
01445000	Pequest River at Huntsville	FW2-TM	FW2-NT	4	99.50	8.9	0.0%	Full Attainment
01445500	Pequest R At Pequest	FW2-TM	FW2-NT	14	10.60	7.9	0.0%	Full Attainment
01446400	Pequest River At Belvidere	FW2-TM	FW2-NT	12	102.00	8.61	0.0%	Full Attainment
01455200	Pohatcong Ck At New Village	FW2-TM	FW2-TPC1	14	10.90	8.0	0.0%	Full Attainment
01456200	Musconetcong R At Beattystown	FW2-TM		14	11.00	8.4	0.0%	Full Attainment
01457000	Musconetcong R Nr Bloomsbury	FW2-TM		14	11.10	8.8	0.0%	Full Attainment
01457400	Musconetcong River At Riegelsville	FW2-TM		24	100.96	8	0.0%	Full Attainment
01458570	Nishisakawick Creek Near Frenchtown	FW2-NT		12	97.58	5.7	0.0%	Full Attainment
01458710	Copper Ck Near Frenchtown	FW2-NT		4	102.50	9.3	0.0%	Full Attainment
01461220	Wickecheoke Creek At Croton	FW2-NT		3	85.00	5.3	0.0%	Insufficient Data
01461262	Plum Brook Near Locktown	FW2-TM		3	83.33	7.8	0.0%	Insufficient Data
01462739	Jacobs Creek At Bear Tavern	FW2-NT		4	97.00	6.6	0.0%	Full Attainment
01463620	Assunpink Ck Nr Clarksville	FW2-NT		14	9.60	6.5	0.0%	Full Attainment
01463810	Shabakunk Creek Near Lawrenceville	FW2-NT		4	73.33	5.43	0.0%	Insufficient Data - Possibly Full Attainment
01463850	Miry Run At Route 533 At Mercerville	FW2-NT		12	75.92	3	8.3%	Full Attainment
01464000	Assunpink Cr At Trenton	FW2-NT		9	9.50	6.5	0.0%	Full Attainment

Table II-4. Data Summary of Dissolved Oxygen in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Average	Minimum Value	Exceedance %	Assessment
01464020	Assunpink Creek At Peace Street At Trenton	FW2-NT		12	90.91	7.5	0.0%	Full Attainment
01464420	Crosswicks Creek Near New Egypt	FW2-NT		4	77.50	5.4	0.0%	Insufficient Data - Possibly Full Attainment
01464440	Lahaway Creek At Rt 537 At Mercerville	FW2-NT		4	91.50	6.8	0.0%	Full Attainment
01464500	Crosswicks Ck At Extonville	FW2-NT		14	8.90	6.7	0.0%	Full Attainment
01464504	Crosswicks Cr. At Groveville Rd. At Groveville	FW2-NT		11	88.60	7	0.0%	Full Attainment
01464515	Doctors Creek At Allentown	FW2-NT		23	83.32	3.52	4.3%	Full Attainment
01464529	Bacons Creek Near Mansfield Square	FW2-NT		8	95.00	8.8	0.0%	Full Attainment
01464578	Annaricken Brook Near Jobstown	FW2-NT		4	89.25	8.3	0.0%	Full Attainment
01464583	NB Barkers Brook Near Jobstown	FW2-NT		12	89.25	0.8	8.3%	Full Attainment
01465850	SB Rancocas Ck At Vincentown	FW2-NT		14	8.90	5.8	0.0%	Full Attainment
01465884	Sharps Run At Rt 541 At Medford	FW2-NT		3	53.33	3.4	66.7%	Insufficient Data
01465893	Little Creek At Chairville	PL	FW2-NT	11	83.36	5.77	0.0%	Full Attainment
01465950	NB Rancocas Ck At Hanover Furnace	PL		8	79.50	6.6	0.0%	Full Attainment
01466200	Pole Bridge Br Near Browns Mills	PL		4	94.25	7.1	0.0%	Full Attainment
01466500	McDonalds Branch In Lebanon State Forest	FW1		14	37.50	2.3	57.1%	Full Attainment
01467000	NB Rancocas Ck At Pemberton	PL	FW2-NT(PL)	14	9.40	6.8	0.0%	Full Attainment
01467005	NB Rancocas Creek At Iron Works Park At Mt Holly	FW2-NT		4	94.00	8.62	0.0%	Full Attainment
01467006	NB Rancocas Creek At Pine St At Mt Holly	FW2-NT		8	95.38	8.5	0.0%	Full Attainment
01467069	NB Pennsauken Ck Nr Morrestown	FW2-NT		14	8.80	5.0	0.0%	Full Attainment
01467081	SB Pennsauken Ck At Cherry Hill	FW2-NT		14	8.70	5.1	0.0%	Full Attainment
01467150	Cooper River At Haddonfield	FW2-NT		43	89.89	5.5	0.0%	Full Attainment
01467155	North Branch Cooper River At Kresson	FW2-NT		4	65.00	1.1	25.0%	Insufficient Data - Possibly Non Attainment
01467325	SB Big Timber Creek At Turnersville	FW2-NT		4	95.25	8.5	0.0%	Full Attainment
01467327	SB Big Timber Creek At Glenloch	FW2-NT		4	83.00	7.3	0.0%	Full Attainment
01467329	SB Big Timber Ck At Blackwood Terr	FW2-NT		15	9.60	6.4	0.0%	Full Attainment
01467359	North Branch Big Timber Creek At Glendora	FW2-NT		12	76.25	3.5	8.3%	Full Attainment
01476600	Still Run Near Mickelton	FW2-NT/SE2		4	88.50	6.5	0.0%	Full Attainment

Table II-5. Data Summary of Total Dissolved Solids in Non-Tidal Rivers

Site ID	Station Name	Number of Samples	Average	Maximum	Exceedance %	Assessment
01367625	Wallkill River At Sparta	12	333.33	409	0.0%	Full Attainment
01367715	Wallkill River At Scott Road At Franklin	4	290.75	354	0.0%	Full Attainment
01367770	Wallkill River Near Sussex	23	269.04	457	0.0%	Full Attainment
01367780	Papakating Creek Near Wykertown	4	164.25	219	0.0%	Full Attainment
01367800	Papakating Creek At Pelletown	8	188.63	243	0.0%	Full Attainment
01367850	WB Papakating Ck At McCoys Corner	4	175.00	192	0.0%	Full Attainment
01367860	Papakating Creek Near Sussex	4	178.50	212	0.0%	Full Attainment
01367910	Papakating Ck At Sussex	15	143.87	202	0.0%	Full Attainment
01368000	Wallkill R Nr Unionville	15	203.07	308	0.0%	Full Attainment
01368820	Double Kill At Waywayanda	12	112.50	123	0.0%	Full Attainment
01368950	Black Creek Nr Vernon	15	286.20	382	0.0%	Full Attainment
01376970	Hackensack River At Old Tappan	4	225.50	248	0.0%	Full Attainment
01377000	Hackensack River At Rivervale	22	239.23	342	0.0%	Full Attainment
01377499	Musquapsink Brook At River Vale	8	313.88	383	0.0%	Full Attainment
01377500	Pascack Brook At Westwood	8	324.63	582	12.5%	Insufficient Data - Possibly Non Attainment
01378387	Tenakill Brook At Cedar Lane At Closter	4	290.75	297	0.0%	Insufficient Data - Possibly Full Attainment
01378560	Coles Brook At Hackensack	12	302.42	569	8.3%	Full Attainment
01378780	Primrose Brook At Morristown National Park	12	85.33	102	0.0%	Full Attainment
01378855	Black Brook At Madison	8	240.63	299	0.0%	Full Attainment
01379000	Passaic R Nr Millington	16	154.38	257	0.0%	Full Attainment
01379200	Dead River Near Millington	16	262.06	387	0.0%	Full Attainment
01379500	Passaic R Nr Catham	15	213.87	405	0.0%	Full Attainment
01379530	Canoe Brook near Summit	4	188.00	236	0.0%	Insufficient Data - Possibly Full Attainment
01379680	Rockaway River At Longwood Valley	4	151.50	199	0.0%	Full Attainment
01379700	Rockaway River At Berkshire Va	4	125.75	169	0.0%	Insufficient Data - Possibly Full Attainment
01379800	Green Pond Brook At Dover	4	145.00	202	0.0%	Insufficient Data - Possibly Full Attainment

Table II-5. Data Summary of Total Dissolved Solids in Non-Tidal Rivers

Site ID	Station Name	Number of Samples	Average	Maximum	Exceedance %	Assessment
01379853	Rockaway River At Blackwell St	4	158.50	223	0.0%	Insufficient Data - Possibly Full Attainment
01380100	Beaver Brook At Rockaway	12	103.92	155	0.0%	Full Attainment
01380320	Stony Brook At Boonton	4	79.25	87	0.0%	Insufficient Data - Possibly Full Attainment
01380500	Rockaway R At Boonton	16	141.13	272	0.0%	Full Attainment
01381050	Crooked Brook Near Towaco	4	68.50	81	0.0%	Insufficient Data - Possibly Full Attainment
01381200	Rockaway R At Pine Brook	15	190.80	306	0.0%	Full Attainment
01381500	Whippany R At Morristown	16	198.69	409	0.0%	Full Attainment
01381800	Whippany River Near Pine Brook	21	232.05	382	0.0%	Full Attainment
01382000	Passaic River At Two Bridges	60	236.30	516	1.7%	Full Attainment
01382410	Macopin River At Echo Lake	7	83.43	162	0.0%	Full Attainment
01382450	Macopin River At Macopin Reservoir	11	86.45	126	0.0%	Full Attainment
01382500	Pequannock River At Macopin Intake Dam	23	93.13	141	0.0%	Full Attainment
01382800	Pequannock River At Riverdale	4	123.50	165	0.0%	Insufficient Data - Possibly Full Attainment
01383505	Wanaque River Near Awesting	4	93.50	101	0.0%	Full Attainment
01387010	Wanaque River At Highland Avenue At Wanaque	4	150.25	245	0.0%	Full Attainment
01387041	Wanaque River At Pompton Lakes	4	120.50	134	0.0%	Insufficient Data - Possibly Full Attainment
01387500	Ramapo River Near Mahwah	22	205.86	372	0.0%	Full Attainment
01388000	Ramapo R At Pompton Lakes	14	94.00	158	0.0%	Full Attainment
01388100	Ramapo River At Dawes Highway	3	172.33	231	0.0%	Insufficient Data
01388500	Pompton River At Pompton Plains	12	166.33	236	0.0%	Full Attainment
01389005	Passaic R Below Pompton R At Two Br	14	114.07	196	0.0%	Full Attainment
01389080	Preakness Brook Near Little Fa	4	258.50	273	0.0%	Insufficient Data - Possibly Full Attainment
01389138	Deepavaal Brook At Fairfield	4	330.00	490	0.0%	Insufficient Data - Possibly Full Attainment

Table II-5. Data Summary of Total Dissolved Solids in Non-Tidal Rivers

Site ID	Station Name	Number of Samples	Average	Maximum	Exceedance %	Assessment
01389500	Passaic River At Little Falls	25	234.40	494	0.0%	Full Attainment
01389600	Peckman River At West Patterson	4	317.50	341	0.0%	Insufficient Data
01389850	Goffle Brook At Hawthorne	4	286.75	295	0.0%	Insufficient Data
01389860	Diamond Bk At Fair Lawn	4	306.50	422	0.0%	Insufficient Data - Possibly Full Attainment
01389880	Passaic R At Elmwood Pk	15	194.07	352	0.0%	Full Attainment
01390445	WB Saddle R At Upper Saddle River	4	395.50	847	25.0%	Insufficient Data - Possibly Non Attainment
01390470	Saddle River At Saddle River	4	292.00	335	0.0%	Full Attainment
01390500	Saddle R At Ridgewood	32	182.56	447	0.0%	Full Attainment
01390510	Saddle River At Ridgewood Avenue At Ridgewood	4	272.00	299	0.0%	Full Attainment
01390518	Saddle River At Grove Street A	4	266.25	274	0.0%	Insufficient Data
01390900	Ramsey Brook At Allendale	4	360.25	593	25.0%	Insufficient Data - Possibly Non Attainment
01391100	Hohokus Brook At Mouth At Paramus	4	413.25	477	0.0%	Insufficient Data - Possibly Full Attainment
01391490	Saddle River At Rochelle Park	4	338.25	362	0.0%	Full Attainment
01391500	Saddle River At Lodi	23	376.52	448	0.0%	Full Attainment
01393350	WB Elizabeth River Near Union	4	299.25	434	0.0%	Insufficient Data - Possibly Full Attainment
01393450	Elizabeth R At Ursino Lk At Elizabe	15	443.53	1440	20.0%	Non Attainment
01393960	WB Rahway R. At Northfield Ave. At West Orange	4	485.00	1050	25.0%	Insufficient Data - Possibly Non Attainment
01394500	Rahway River Near Springfield	23	426.52	2260	8.7%	Full Attainment
01395000	Rahway River At Rahway	21	285.48	469	0.0%	Full Attainment
01395200	Robinson Branch At Scotch Plains	4	172.75	195	0.0%	Full Attainment
01396003	Robinson Br At St Georges Av At Rahway	4	163.00	187	0.0%	Full Attainment
01396219	Stony Brook At Fairview Avenue At Naughtright	4	90.50	94	0.0%	Full Attainment
01396280	SB Raritan R At Middle Valley	15	139.00	185	0.0%	Full Attainment
01396535	SB Raritan R Arch St At High Bridge	16	134.13	159	0.0%	Full Attainment
01396550	Spruce Run At Newport	12	77.50	91	0.0%	Full Attainment

Table II-5. Data Summary of Total Dissolved Solids in Non-Tidal Rivers

Site ID	Station Name	Number of Samples	Average	Maximum	Exceedance %	Assessment
01396588	Spruce Run Nr Glen Gardner	16	103.94	116	0.0%	Full Attainment
01396660	Mulhockaway Creek At Van Syckel	23	133.52	202	0.0%	Full Attainment
01397000	SB Raritan R At Stanton Station	15	121.33	135	0.0%	Full Attainment
01397400	SB Raritan R At Three Bridges	15	152.13	186	0.0%	Full Attainment
01398000	Neshanic River At Reaville	90	128.27	280	0.0%	Full Attainment
01398070	SB Raritan River At Neshanic Station	4	140.50	183	0.0%	Full Attainment
01398102	SB Raritan River At South Branch	12	143.83	178	0.0%	Full Attainment
01398260	NB Raritan R Nr Chester	15	152.13	185	0.0%	Full Attainment
01398300	Dawsons Brook Near Ironia	4	123.50	134	0.0%	Full Attainment
01399100	Middle Brook At Burnt Mills	4	150.75	189	0.0%	Full Attainment
01399120	NB Raritan R At Burnt Mills	15	147.93	172	0.0%	Full Attainment
01399500	Lamington (Black)R Nr Pottersville	16	133.25	166	0.0%	Full Attainment
01399700	Rockaway Ck At Whitehouse	15	132.27	171	0.0%	Full Attainment
01399780	Lamington River At Burnt Mills	23	122.22	166	0.0%	Full Attainment
01399900	Chambers Brook At North Branch Depot	4	138.50	168	0.0%	Full Attainment
01400000	North Branch Raritan River Near Raritan	12	134.17	171	0.0%	Full Attainment
01400395	Peters Brook At Rt 28 At Somerville	4	278.25	469	0.0%	Insufficient Data - Possibly Full Attainment
01400500	Raritan R At Manville	15	140.80	155	0.0%	Full Attainment
01400540	Millstone R Nr Manalapan	14	69.57	101	0.0%	Full Attainment
01400585	Rocky Brook At Perrineville	8	73.13	108	0.0%	Full Attainment
01400640	Millstone River Near Grovers M	8	152.88	185	0.0%	Full Attainment
01400650	Millstone River At Grovers Mill	9	122.67	200	0.0%	Full Attainment
01400690	Cranbury Book Near Prospect Plains	4	98.50	103	0.0%	Full Attainment
01401000	Stony Brook At Princeton	40	71.30	130	0.0%	Full Attainment
01401200	Duck Pond Run at Clarksville	4	126.50	277	0.0%	Insufficient Data - Possibly Full Attainment
01401400	Heathcote Brook At Kingston	12	122.75	150	0.0%	Full Attainment
01401600	Bedens Brook Nr Rocky Hill	16	151.56	217	0.0%	Full Attainment
01401700	Pike Run Near Rocky Hill	4	196.25	271	0.0%	Insufficient Data - Possibly Full Attainment
01402000	Millstone River At Blackwells Mills	21	163.81	279	0.0%	Full Attainment
01403300	Raritan River At Fieldsville Dam	37	139.76	198		Full Attainment
01403385	Bound Brook At Route 28 At Middlesex	12	251.33	330	0.0%	Full Attainment

Table II-5. Data Summary of Total Dissolved Solids in Non-Tidal Rivers

Site ID	Station Name	Number of Samples	Average	Maximum	Exceedance %	Assessment
01403470	Green Brook At North Plainfield	4	332.75	630	25.0%	Insufficient Data - Possibly Non Attainment
01403900	Bound Bk At Middlesex	52	130.62	241	0.0%	Full Attainment
01404470	Ireland Brook At Patricks Corners	4	92.00	128	0.0%	Full Attainment
01405195	Matchaponix Brook At Englishtown	4	122.50	134	0.0%	Full Attainment
01405302	Matchaponix Bk At Spotswood	15	180.00	315	0.0%	Full Attainment
01405340	Manalapan Brook At Federal Rd Nr Manalapan	22	91.59	128	0.0%	Full Attainment
01407090	Town Brook At Middletown	4	122.50	145	0.0%	Full Attainment
01407360	Yellow Brook Near Malboro	4	89.25	107	0.0%	Full Attainment
01407630	Poplar Brook At Deal	4	159.50	186	0.0%	Full Attainment
01407720	Jumping Brook At Green Grove	4	283.25	806	25.0%	Insufficient Data - Possibly Non Attainment
01407868	Long Brook At Wyckoff Mills	12	127.17	256	0.0%	Full Attainment
01407997	Marsh Bog Brook At Squankum	4	71.00	79	0.0%	Full Attainment
01408000	Manasquan River At Squankum	23	121.74	279	0.0%	Full Attainment
01408009	Mingamahone Brook Near Earle	12	72.75	127	0.0%	Full Attainment
01408100	NB Metedeconk River At Lakewood	12	72.92	136	0.0%	Full Attainment
01408152	SB Metedeconk River Near Laurelton	4	60.50	64	0.0%	Full Attainment
01408480	Shannoc Brook Trib At Colliers Mills	4	32.25	36	0.0%	Full Attainment
01408500	Toms River Near Toms River	17	47.06	56	0.0%	Full Attainment
01408830	Cedar Brook At Cedar Crest	8	15.88	19	0.0%	Full Attainment
01409375	Mullica R Nr Atco	8	20.00	24	0.0%	Full Attainment
01409383	Mullica R At Indian Mills	12	5.67	10	0.0%	Full Attainment
01409387	Mullica River At Outlet Of Atsion Lake At Atsion	6	19.67	23	0.0%	Full Attainment
014094005	Mullica R Nr Batsto	12	6.58	10	0.0%	Full Attainment
01409401	Hays Mill Cr At Atco	8	21.75	25	0.0%	Full Attainment
01409402	Hays Mill Cr Nr Chesilhurst	8	16.88	18	0.0%	Full Attainment
014094037	Sleeper Branch Nr Atsion	9	12.56	31	0.0%	Full Attainment
014094048	Clark Branch Nr Atsion	8	11.88	16	0.0%	Full Attainment
01409408	Pump Branch Near Waterford Works	11	27.45	53	0.0%	Full Attainment
014094095	Blue Anchor Brook At Elm	12	39.33	68	0.0%	Full Attainment
014094097	Albertson Branch Nr Elm	9	18.22	37	0.0%	Full Attainment
014094107	Great Swamp Br Below Rt 206 Near Hammonton	17	45.94	79	0.0%	Full Attainment
01409411	Nescochague Cr At Pleasant Mills	12	15.33	20	0.0%	Full Attainment
01409416	Hammonton Creek At Westcoatville	22	68.05	97	0.0%	Full Attainment

Table II-5. Data Summary of Total Dissolved Solids in Non-Tidal Rivers

Site ID	Station Name	Number of Samples	Average	Maximum	Exceedance %	Assessment
01409432	Batsto R At Hampton Furnace	12	9.17	14	0.0%	Full Attainment
01409439	Skit Branch At Hampton Furnace	12	2.08	3	0.0%	Full Attainment
01409449	Indian Mills Brook At Indian Mills	4	52.50	55	0.0%	Full Attainment
01409455	Springers Bk Nr Hampton Furnace	12	28.67	39	0.0%	Full Attainment
01409470	Batsto R At Quaker Bridge	12	10.08	18	0.0%	Full Attainment
01409500	Batsto River At Batsto	14	23.93	31	0.0%	Full Attainment
01409690	W Branch Wading River At Chatsworth	1	25.00	25	0.0%	Insufficient Data
01409750	West Br Wading R Nr Jenkins	11	3.27	4	0.0%	Full Attainment
01409780	Tulpehocken Cr Nr Jenkins	11	2.18	3	0.0%	Full Attainment
01409815	West Branch Wading River At Maxwell	1	22.00	22	0.0%	Insufficient Data
01410000	Oswego R At Harrisville				0.0%	Full Attainment
01410150	East Branch Bass River Near New Gretna	1	23.00	23	0.0%	Insufficient Data
01410455	South Branch Absecon Creek Near Pomona	1	30.00	30	0.0%	Insufficient Data
01410784	Great Egg Harbor R Nr Sicklerville	54	45.15	106	0.0%	Full Attainment
01411000	Great Egg Harbor R At Folsom	13	36.77	47	0.0%	Full Attainment
01411035	Hospitality Branch At Blue Bell Road Near Cecil	12	38.50	44	0.0%	Full Attainment
01411050	Hospitality Branch Near Cecil	4	32.00	37	0.0%	Full Attainment
01411110	Great Egg Harbor River At Weymouth	18	33.72	45	0.0%	Full Attainment
01411196	Babcock Creek Near Mays Landing	9	32.56	52	0.0%	Full Attainment
01411220	South River Near Belcoville	4	36.00	38	0.0%	Full Attainment
01411241	Gibson Creek At Rt 50 Near Corbin City	4	24.25	36	0.0%	Full Attainment
01411400	Fishing Creek At Rio Grande	12	97.33	175	0.0%	Full Attainment
01411428	Dennis Creek Trib 2 At Dennisville	4	45.50	69	0.0%	Full Attainment
01411441	Savages Run In Belleplain State Forest	3	38.00	40	0.0%	Insufficient Data
01411453	Still Run Near Malaga	4	56.00	65	0.0%	Full Attainment
01411458	Little Ease Run At Porchtown	4	45.75	56	0.0%	Full Attainment
01411466	Indian Branch Near Malaga	4	27.00	29	0.0%	Full Attainment
01411500	Maurice River At Norma	19	48.42	59	0.0%	Full Attainment
01411780	Muddy Run Near Norma	4	63.75	74	0.0%	Full Attainment
01411800	Maurice River Near Millville	4	54.75	59	0.0%	Full Attainment
01411955	Gravelly Run At Laurel Lake	7	19.00	25	0.0%	Full Attainment
01412200	Pages Run At Newport	4	27.50	32	0.0%	Full Attainment
01412800	Cohansey River At Seeley	22	119.00	135	0.0%	Full Attainment
01413065	Canton Drain At Maskell Mill	4	33.75	45	0.0%	Full Attainment
01439830	Big Flat Brook At Tuttles Corner	4	50.75	62	0.0%	Full Attainment
01440000	Flat Brook Near Flatbrookville	20	105.25	158	0.0%	Full Attainment
01442760	Dunnfield Creek At Dunnfield	12	22.25	27	0.0%	Full Attainment

Table II-5. Data Summary of Total Dissolved Solids in Non-Tidal Rivers

Site ID	Station Name	Number of Samples	Average	Maximum	Exceedance %	Assessment
01443370	Dry Bk at Rt 519 Near Branchville	4	106.50	117	0.0%	Full Attainment
01443440	Paulins Kill At Balesville	15	243.07	341	0.0%	Full Attainment
01443500	Paulins Kill At Blairstown	23	218.09	291	0.0%	Full Attainment
01443550	Jacksonburg Creek Near Millbrook	4	41.25	50	0.0%	Full Attainment
01443600	Jacksonburg Creek Near Blairstown	4	82.75	102	0.0%	Full Attainment
01444970	Pequest River At Rt206 Below Springdale	4	234.50	313	0.0%	Full Attainment
01445000	Pequest River at Huntsville	4	241.75	264	0.0%	Full Attainment
01445500	Pequest R At Pequest	15	260.53	321	0.0%	Full Attainment
01446400	Pequest River At Belvidere	12	259.67	293	0.0%	Full Attainment
01455200	Pohatcong Ck At New Village	15	128.07	163	0.0%	Full Attainment
01456200	Musconetcong R At Beattystown	15	201.27	259	0.0%	Full Attainment
01457000	Musconetcong R Nr Bloomsbury	15	189.47	222	0.0%	Full Attainment
01457400	Musconetcong River At Riegelsville	24	196.96	243	0.0%	Full Attainment
01458570	Nishisakawick Creek Near Frenchtown	12	101.92	122	0.0%	Full Attainment
01458710	Copper Ck Near Frenchtown	4	109.50	128	0.0%	Full Attainment
01461220	Wickecheoke Creek At Croton	3	77.00	77	0.0%	Insufficient Data
01461262	Plum Brook Near Locktown	3	80.67	116	0.0%	Insufficient Data
01462739	Jacobs Crek At Bear Tavern	4	149.00	171	0.0%	Full Attainment
01463620	Assunpink Ck Nr Clarksville	15	68.27	79	0.0%	Full Attainment
01463810	Shabakunk Creek Near Lawrenceville	2	201.50	202	0.0%	Insufficient Data
01463850	Miry Run At Route 533 At Mercerville	12	98.58	206	0.0%	Full Attainment
01464000	Assunpink Cr At Trenton	10	168.80	260	0.0%	Full Attainment
01464020	Assunpink Creek At Peace Street At Trenton	12	182.50	326	0.0%	Full Attainment
01464420	Crosswicks Creek Near New Egypt	4	107.50	146	0.0%	Full Attainment
01464440	Lahaway Creek At Rt 537 At Mercerville	4	43.25	49	0.0%	Full Attainment
01464500	Crosswicks Ck At Extonville	15	86.20	101	0.0%	Full Attainment
01464504	Crosswicks Cr. At Groveville Rd. At Groveville	11	93.45	122	0.0%	Full Attainment
01464515	Doctors Creek At Allentown	23	97.52	125	0.0%	Full Attainment
01464529	Bacons Creek Near Mansfield Square	5	108.00	124	0.0%	Full Attainment
01464578	Annaricken Brook Near Jobstown	4	106.25	117	0.0%	Full Attainment
01464583	NB Barkers Brook Near Jobstown	12	122.42	191	0.0%	Full Attainment
01465850	SB Rancocas Ck At Vincentown	14	45.21	50	0.0%	Full Attainment
01465893	Little Creek At Chairville	3	41.67	44	0.0%	Insufficient Data
01466200	Pole Bridge Br Near Browns Mills	2	25.06	27	0.0%	Insufficient Data
01466500	McDonalds Branch In Lebanon State Forest	1	14.52	15	0.0%	Insufficient Data
01467000	NB Rancocas Ck At Pemberton	6	29.00	34	0.0%	Full Attainment
01467005	NB Rancocas Creek At Iron Works Park At Mt Holly	4	72.25	84	0.0%	Full Attainment

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Table II-6. Data Summary of Total Suspended Solids in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment
01367625	Walkill River At Sparta	FW2-TM	FW2-NT, FW2-TPC1	11	40	7.64	9.1%	Full Attainment
01367715	Walkill River At Scott Road At Franklin	FW2-NT		4	7	3.38	0.0%	Full Attainment
01367770	Walkill River Near Sussex	FW2-NT		23	26	7.46	0.0%	Full Attainment
01367780	Papakating Creek Near Wykertown	FW2-TM	FW2-NT	4	5	2.25	0.0%	Full Attainment
01367800	Papakating Creek At Pelletown	FW2-NT		8	9	4.23	0.0%	Full Attainment
01367850	WB Papakating Ck At McCoys Corner	FW2-NT		4	6	4.50	0.0%	Insufficient Data - Possibly Full Attainment
01367860	Papakating Creek Near Sussex	FW2-NT		4	20	12.00	0.0%	Full Attainment
01367910	Papakating Ck At Sussex	FW2-NT		15	48	12.50	10.0%	Full Attainment
01368000	Walkill R Nr Unionville	FW2-NT		15	24	9.30	0.0%	Full Attainment
01368820	Double Kill At Waywayanda	FW2-NTC1	FW1	12	5.3	2.20	0.0%	Full Attainment
01368950	Black Creek Nr Vernon	FW2-NT	FW2-TPC1, FW2-TM	15	15	6.65	0.0%	Full Attainment
01376970	Hackensack River At Old Tappan	FW2-NT		4	14	6.50	0.0%	Full Attainment
01377000	Hackensack River At Rivervale	FW2-NT		22	20	9.00	0.0%	Full Attainment
01377499	Musquapsink Brook At River Vale	FW2-NT		8	9	3.88	0.0%	Full Attainment
01377500	Pascack Brook At Westwood	FW2-NT		8	14	5.93	0.0%	Full Attainment
01378387	Tenakill Brook At Cedar Lane At Closter	FW2-NT		4	9	3.38	0.0%	Full Attainment
01378560	Coles Brook At Hackensack	FW2-NT/SE1		12	27	7.83	0.0%	Full Attainment
01378780	Primrose Brook At Morristown National Park	FW2-TPC1	FW2-NT	12	8	2.92	0.0%	Full Attainment
01378855	Black Brook At Madison	FW2-NT		8	12	6.56	0.0%	Full Attainment
01379000	Passaic R Nr Millington	FW2-NT		14	53.8	12.51	7.1%	Full Attainment
01379200	Dead River Near Millington	FW2-NT		16	68	27.18	18.8%	Non Attainment
01379500	Passaic R Nr Catham	FW2-NT		16	76	26.09	12.5%	Non Attainment
01379530	Canoe Brook near Summit	FW2-NT		4	5	3.75	0.0%	Insufficient Data - Possibly Full Attainment
01379680	Roackaway River At Longwood Valley	FW2-NT		5	6.3	2.36	0.0%	Full Attainment
01379700	Rockaway River At Berkshire Va	FW2-NT		4	7	3.50	0.0%	Insufficient Data - Possibly Full Attainment
01379800	Green Pond Brook At Dover	FW2-NT		4	6	1.88	0.0%	Insufficient Data - Possibly Full Attainment
01379853	Rockaway River At Blackwell St	FW2-NT		4	3	2.75	0.0%	Insufficient Data - Possibly Full Attainment

Table II-6. Data Summary of Total Suspended Solids in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment
01380100	Beaver Brook At Rockaway	FW2-NT	FW2-TPC1, FW2-TM	12	12	4.18	0.0%	Full Attainment
01380320	Stony Brook At Boonton	FW2-NT		3	5.1	2.53	0.0%	Insufficient Data
01380500	Rockaway R At Boonton	FW2-NT		13	7	4.14	0.0%	Full Attainment
								Insufficient Data - Possibly Full
01381050	Crooked Brook Near Towaco	FW2-NT		4	2.1	0.98	0.0%	Attainment
01381200	Rockaway R At Pine Brook	FW2-NT		14	25	10.40	0.0%	Full Attainment
01381500	Whippany R At Morristown	FW2-NT		12	76.2	12.70	9.1%	Full Attainment
01381800	Whippany River Near Pine Brook	FW2-NT		23	52	18.58	13.0%	Non Attainment
01382000	Passaic River At Two Bridges	FW2-NT		88	509.8	26.91	5.7%	Full Attainment
01382410	Macopin River At Echo Lake	FW2-NT		6	3	1.25	0.0%	Full Attainment
01382450	Macopin River At Macopin Reservoir	FW2-NT		12	6	2.78	0.0%	Full Attainment
01382500	Pequannock River At Macopin Intake Dam	FW2-TM	FW2-TPC1	23	11	3.38	0.0%	Full Attainment
								Insufficient Data - Possibly Full
01382800	Pequannock River At Riverdale	FW2-TMC1		4	5	2.78	0.0%	Attainment
01383505	Wanaque River Near Awoosting	FW2-TPC1	FW2-TMC1	5	2.6	1.32	0.0%	Full Attainment
01387010	Wanaque River At Highland Avenue At Wanaque	FW2-NT		4	3	1.88	0.0%	Full Attainment
								Insufficient Data - Possibly Full
01387041	Wanaque River At Pompton Lakes	FW2-NT		5	10	4.38	0.0%	Attainment
01387500	Ramapo River Near Mahwah	FW2-NT		22	19	6.20	0.0%	Full Attainment
								Insufficient Data - Possibly Full
01388100	Ramapo River At Dawes Highway	FW2-NT		4	16	8.25	0.0%	Attainment
01388500	Pompton River At Pompton Plains	FW2-NT		10	11	5.15	0.0%	Full Attainment
								Insufficient Data - Possibly Full
01389080	Preakness Brook Near Little Fa	FW2-NT		4	6	2.50	0.0%	Attainment
								Insufficient Data - Possibly Full
01389138	Deepavaal Brook At Fairfield	FW2-NT		4	7	4.75	0.0%	Attainment
01389500	Passaic River At Little Falls	FW2-NT		12	34	13.04	0.0%	Full Attainment
								Insufficient Data - Possibly Full
01389600	Peckman River At West Patterson	FW2-NT		4	7	3.88	0.0%	Attainment

Table II-6. Data Summary of Total Suspended Solids in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment
01389850	Goffle Brook At Hawthorne	FW2-NT		4	5	3.00	0.0%	Insufficient Data - Possibly Full Attainment
01389860	Diamond Bk At Fair Lawn	FW2-NT		2	12.1	4.23	0.0%	Insufficient Data
01389880	Passaic R At Elmwood Pk	FW2-NT		15	54	18.20	6.7%	Full Attainment
01390445	WB Saddle R At Upper Saddle River	FW2-TPC1		2	16	5.38	0.0%	Insufficient Data
01390470	Saddle River At Saddle River	FW2-NT/SE3	FW2-TPC1, FW2-TM	4	5	3.63	0.0%	Full Attainment
01390500	Saddle R At Ridgewood	FW2-NT/SE3	FW2-TPC1, FW2-TM	25	28.2	5.08	0.0%	Full Attainment
01390510	Saddle River At Ridgewood Avenue At Ridgewood	FW2-NT/SE3		4	3	1.25	0.0%	Full Attainment
01390518	Saddle River At Grove Street A	FW2-NT/SE3		4	7	3.88	0.0%	Insufficient Data - Possibly Full Attainment
01390900	Ramsey Brook At Allendale	FW2-NT/SE2		4	8	5.50	0.0%	Full Attainment
01391100	Hohokus Brook At Mouth At Paramus	FW2-NT/SE3		4	15	8.00	0.0%	Insufficient Data - Possibly Full Attainment
01391490	Saddle River At Rochelle Park	FW2-NT/SE3		4	6	4.38	0.0%	Full Attainment
01391500	Saddle River At Lodi	FW2-NT/SE3		23	22	8.30	0.0%	Full Attainment
01393350	WB Elizabeth River Near Union	FW2-NT		4	2	1.25	0.0%	Full Attainment
01393450	Elizabeth R At Ursino Lk At Elizabe	FW2-NT		15	9	4.50	0.0%	Full Attainment
01393960	WB Rahway R. At Northfield Ave. At West Orange	FW2-NT		4	128	37.13	25.0%	Insufficient Data - Possibly Non Attainment
01394500	Rahway River Near Springfield	FW2-NT		23	178	12.15	4.3%	Full Attainment
01395000	Rahway River At Rahway	FW2-NT		22	48	10.74	4.5%	Full Attainment
01395200	Robinson Branch At Scotch Plains	FW2-NT		4	88	24.75	25.0%	Insufficient Data - Possibly Full Attainment
01396003	Robinson Br At St Georges Av At Rahway	FW2-NT		4	8	4.28	0.0%	Insufficient Data - Possibly Full Attainment
01396219	Stony Brook At Fairview Avenue At Naughtright	FW2-TPC1		4	9	3.38	0.0%	Full Attainment
01396280	SB Raritan R At Middle Valley	FW2-TPC1	FW2-TM	14	85	12.50	7.1%	Full Attainment
01396535	SB Raritan R Arch St At High Bridge	FW2-TM		15	36	8.45	9.1%	Full Attainment
01396550	Spruce Run At Newport	FW2-TPC1		12	15	3.83	0.0%	Full Attainment
01396588	Spruce Run Nr Glen Gardner	FW2-TMC1	FW2-TPC1	15	17	5.19	0.0%	Full Attainment

Table II-6. Data Summary of Total Suspended Solids in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment
01396660	Mulhockaway Creek At Van Syckel	FW2-TPC1		23	67	6.03	4.3%	Full Attainment
01397000	SB Raritan R At Stanton Station	FW2-TM		15	10	4.35	0.0%	Full Attainment
01397400	SB Raritan R At Three Bridges	FW2-NT		15	74	11.70	6.7%	Full Attainment
01398000	Neshanic River At Reaville	FW2-NT	FW2-TM	85	500.9	28.50	11.0%	Non Attainment
01398070	SB Raritan River At Neshanic Station	FW2-NT		4	5	2.38	0.0%	Full Attainment
01398102	SB Raritan River At South Branch	FW2-NT	FW2-TM	12	29	9.67	0.0%	Full Attainment
01398260	NB Raritan R Nr Chester	FW2-TPC1		15	9	3.30	0.0%	Full Attainment
01398300	Dawsons Brook Near Ironia	FW2-TPC1		4	5	2.38	0.0%	Full Attainment
01399100	Middle Brook At Burnt Mills	FW2-NT		4	33.5	11.50	0.0%	Insufficient Data
01399120	NB Raritan R At Burnt Mills	FW2-NT		15	10	3.70	0.0%	Full Attainment
01399500	Lamington (Black)R Nr Pottersville	FW2-TPC1	FW2-TMC1, FW2-NTC1	15	106	12.98	6.7%	Full Attainment
01399700	Rockaway Ck At Whitehouse	FW2-NT	FW2-TM	10	10	3.80	0.0%	Full Attainment
01399780	Lamington River At Burnt Mills	FW2-NT	FW2-TPC1, FW2-TM	23	103	11.50	8.7%	Full Attainment
01399900	Chambers Brook At North Branch Depot	FW2-NT		4	60.6	17.20	25.0%	Insufficient Data - Possibly Non Attainment
01400000	North Branch Raritan River Near Raritan	FW2-NT		13	131.2	13.13	7.7%	Full Attainment
01400395	Peters Brook At Rt 28 At Somerville	FW2-NT		4	4	3.00	0.0%	Full Attainment
01400500	Raritan R At Manville	FW2-NT		15	14	6.50	0.0%	Full Attainment
01400540	Millstone R Nr Manalapan	FW2-NT		15	132	24.70	13.3%	Non Attainment
01400585	Rocky Brook At Perrineville	FW2-NT		8	8.2	3.45	0.0%	Full Attainment
01400640	Millstone River Near Grovers M	FW2-NT		8	28.5	9.34	0.0%	Full Attainment
01400650	Millstone River At Grovers Mill	FW2-NT		9	26	12.00	0.0%	Full Attainment
01400690	Cranbury Book Near Prospect Plains	FW2-NT		4	10	4.75	0.0%	Full Attainment
01401000	Stony Brook At Princeton	FW2-NT		35	510.2	43.34	20.0%	Non Attainment
01401200	Duck Pond Run at Clarksville	FW2-NT		4	73.1	23.55	25.0%	Insufficient Data - Possibly Non Attainment
01401400	Heathcote Brook At Kingston	FW2-NT		12	22	5.74	0.0%	Full Attainment
01401600	Bedens Brook Nr Rocky Hill	FW2-NT		15	21	5.73	0.0%	Full Attainment
01401700	Pike Run Near Rocky Hill	FW2-NT		4	14	7.50	0.0%	Full Attainment
01402000	Millstone River At Blackwells Mills	FW2-NT		21	43	9.08	4.8%	Full Attainment
01403300	Raritan R At Queens Bridge	FW2-NT		90	268.9	26.18	15.6%	Non Attainment
01403385	Bound Brook At Route 28 At Middlesex	FW2-NT		12	23	10.48	0.0%	Full Attainment
01403470	Green Brook At North Plainfield	FW2-TM	FW2-NT	4	45	13.63	25.0%	Insufficient Data - Possibly Non Attainment
01403900	Bound Bk At Middlesex	FW2-NT		46	327.6	39.82	19.6%	Non Attainment

Table II-6. Data Summary of Total Suspended Solids in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment
01404470	Ireland Brook At Patricks Corners	FW2-NT		4	28	9.50	0.0%	Insufficient Data - Possibly Full Attainment
01405195	Matchaponix Brook At Englishtown	FW2-NT		4	4	2.63	0.0%	Full Attainment
01405285	Barclay Bk Near Englishtown	FW2-NT		4	10	7.68	0.0%	Insufficient Data - Possibly Full Attainment
01405302	Matchaponix Bk At Spotswood	FW2-NT		15	11	4.70	0.0%	Full Attainment
01405340	Manalapan Brook At Federal Rd Nr Manalapan	FW2-NT		22	58	9.41	4.5%	Full Attainment
01407090	Town Brook At Middletown	FW2-NT/SE1		4	4	2.75	0.0%	Full Attainment
01407360	Yellow Brook Near Malboro	FW2-NT		4	9	7.25	0.0%	Full Attainment
01407630	Poplar Brook At Deal	FW2-NT/SE1		4	19	10.00	0.0%	Insufficient Data - Possibly Full Attainment
01407720	Jumping Brook At Green Grove	FW2-NT/SE1		4	17.3	9.83	0.0%	Insufficient Data - Possibly Full Attainment
01407868	Long Brook At Wyckoff Mills	FW2-NT		12	54	7.53	8.3%	Full Attainment
01407997	Marsh Bog Brook At Squankum	FW2-NT		4	10	5.50	0.0%	Full Attainment
01408000	Manasquan River At Squankum	FW2-TM		23	27.6	7.42	8.7%	Full Attainment
01408009	Mingamahone Brook Near Earle	FW2-TM		12	24.5	12.23	0.0%	Full Attainment
01408100	NB Metedeconk River At Lakewood	FW2-TM	FW2-NT	12	12.7	4.94	0.0%	Full Attainment
01408152	SB Metedeconk River Near Laurelton	FW2-NT		4	4	2.38	0.0%	Full Attainment
01408285	Maple Root Br At Bowman Rd Near Homansville	PL-TM		4	7.2	3.68	0.0%	Insufficient Data - Possibly Full Attainment
01408480	Shannoc Brook Trib At Colliers Mills	PL		4	3	1.50	0.0%	Full Attainment
01408500	Toms River Near Toms River	FW2-NT/SE1	FW2-TM, PL-TM	23	15.8	4.86	0.0%	Full Attainment
01408830	Cedar Brook At Cedar Crest	PL		10	5	1.74	0.0%	Full Attainment
01409050	North Branch Forked River Near Forked River	PL		12	4	1.38	0.0%	Full Attainment
01409387	Mullica River At Outlet Of Atsion Lake At Atsion	PL		22	8	3.30	0.0%	Full Attainment
01409408	Pump Branch Near Waterford Works	PL		4			0.0%	Full Attainment
01409409	Blue Anchor Brook At Elm	PL		12	18	3.98	0.0%	Full Attainment
01409410	Great Swamp Br Below Rt 206 Near Hammonton	PL		4	6	4.00	0.0%	Full Attainment
01409416	Hammonton Creek At Westcoatville	PL		22	18	3.53	0.0%	Full Attainment

Table II-6. Data Summary of Total Suspended Solids in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment
01409449	Indian Mills Brook At Indian Mills	PL		4	7	2.75	0.0%	Full Attainment
01409500	Batsto River At Batsto	PL		22	4	1.38	0.0%	Full Attainment
01409600	Landing Creek Near Egg Harbor City	PL		2	3.6	2.08	0.0%	Insufficient Data
01409690	W Branch Wading River At Chatsworth	PL		4	6	3.30	0.0%	Insufficient Data
01409815	West Branch Wading River At Maxwell	PL		11	18	6.23	0.0%	Full Attainment
01409960	Papoose Branch Near Sim Place	PL		4	1	0.63	0.0%	Full Attainment
01410000	Oswego R At Harrisville	PL		5	7	3.70	0.0%	Full Attainment
01410150	East Branch Bass River Near New Gretna	PL		22	13.9	1.73	0.0%	Full Attainment
01410455	South Branch Absecon Creek Near Pomona	PL		4	3	1.13	0.0%	Full Attainment
01410784	Great Egg Harbor R Nr Sicklerville	PL	FW2-NT(PL)	98	18.8	4.59	0.0%	Full Attainment
01411000	Great Egg Harbor R At Folsom	PL		15	7	3.65	0.0%	Full Attainment
01411035	Hospitality Branch At Blue Bell Road Near Cecil	PL		12	15	2.87	0.0%	Full Attainment
01411050	Hospitality Branch Near Cecil	PL		4	4	3.00	0.0%	Insufficient Data - Possibly Full Attainment
01411110	Great Egg Harbor River At Weymouth	PL		23	7	3.02	0.0%	Full Attainment
01411196	Babcock Creek Near Mays Landing	PL		12	3	1.12	0.0%	Full Attainment
01411220	South River Near Belcoville	PL		4	3	1.13	0.0%	Full Attainment
01411241	Gibson Creek At Rt 50 Near Corbin City	FW2-NT/SE1		4	3	1.13	0.0%	Full Attainment
01411400	Fishing Creek At Rio Grande	FW2-NT/SE1		12	8	3.23	0.0%	Full Attainment
01411440	Old Robins Branch Near North Dennis	FW2-NTC1/SE1		3	8	3.00	0.0%	Insufficient Data
01411441	Savages Run In Belleplain State Forest	PL		3	0.5	0.50	0.0%	Insufficient Data
01411444	West Creek At Leesburg	PL		8	6	2.73	0.0%	Full Attainment
01411453	Still Run Near Malaga	FW2-NT		4	11	4.38	0.0%	Full Attainment
01411458	Little Ease Run At Porchtown	FW2-NT	FW1	4	4	2.00	0.0%	Full Attainment
01411466	Indian Branch Near Malaga	FW2-NT		12	5.8	1.85	0.0%	Full Attainment
01411500	Maurice River At Norma	FW2-NT/SE1		21	9	2.75	0.0%	Full Attainment
01411780	Muddy Run Near Norma	FW2-NT		4	5	2.25	0.0%	Full Attainment
01411800	Maurice River Near Millville	FW2-NT/SE1		4	3	1.63	0.0%	Full Attainment
01411950	Buckshutem Creek Near Laurel Lake	FW2-NTC1		4	2	0.88	0.0%	Full Attainment
01411955	Gravelly Run At Laurel Lake	FW1		12	5	2.17	0.0%	Full Attainment
01412200	Pages Run At Newport	FW2-NTC1/SE1		2	39.3	12.33	0.0%	Insufficient Data
01412800	Cohansey River At Seeley	FW2-NT/SE1		23	20	7.68	0.0%	Full Attainment
01413065	Canton Drain At Maskell Mill	FW2-NT/SE1		4	7.8	3.08	0.0%	Insufficient Data
01439830	Big Flat Brook At Tuttle's Corner	FW2-TPC1	FW1-TP/NT, FW2-NTC1	4	1	1.00	0.0%	Full Attainment

Table II-6. Data Summary of Total Suspended Solids in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment
01440000	Flat Brook Near Flatbrookville	FW2-TM	FW1-TP/NT, FW2-TP	20	4	1.23	0.0%	Full Attainment
01442760	Dunnfield Creek At Dunnfield	FW1-TP		12	9	2.86	0.0%	Full Attainment
01443370	Dry Bk at Rt 519 Near Branchville	FW2-NT		2	12.3	4.15	0.0%	Insufficient Data
01443440	Paulins Kill At Balesville	FW2-NT	FW2-TM	15	17	4.65	0.0%	Full Attainment
01443500	Paulins Kill At Blairstown	FW2-TM	FW2-TPC, FW2-NT	23	9	4.57	0.0%	Full Attainment
01443550	Jacksonburg Creek Near Millbrook	FW2-TM	FW2-NT	4	2	1.38	0.0%	Full Attainment
01443600	Jacksonburg Creek Near Blairstown	FW2-TM		4	5	2.38	0.0%	Full Attainment
01444970	Pequest River At Rt206 Below Springdale	FW2-TM	FW2-NT	4	4	2.13	0.0%	Full Attainment
01445000	Pequest River at Huntsville	FW2-TM	FW2-NT	4	7	3.03	0.0%	Insufficient Data - Possibly Full Attainment
01445500	Pequest R At Pequest	FW2-TM	FW2-NT	15	72	16.75	13.3%	Non Attainment
01446400	Pequest River At Belvidere	FW2-TM	FW2-NT	10	95.7	14.97	10.0%	Full Attainment
01455200	Pohatcong Ck At New Village	FW2-TM	FW2-TPC1	14	34	8.28	7.1%	Full Attainment
01456200	Musconetcong R At Beattystown	FW2-TM		15	15	4.30	0.0%	Full Attainment
01457000	Musconetcong R Nr Bloomsbury	FW2-TM		15	6.4	6.40	0.0%	Full Attainment
01457400	Musconetcong River At Riegelsville	FW2-TM		24	145	18.20	16.7%	Non Attainment
01458570	Nishisakawick Creek Near Frenchtown	FW2-NT		12	38.2	6.14	0.0%	Full Attainment
01458710	Copper Ck Near Frenchtown	FW2-NT		4	7.3	2.90	0.0%	Insufficient Data - Possibly Full Attainment
01461220	Wickecheoke Creek At Croton	FW2-NT		3	14	6.17	0.0%	Insufficient Data
01461262	Plum Brook Near Locktown	FW2-TM		3	7	2.67	0.0%	Insufficient Data
01462739	Jacobs Creek At Bear Tavern	FW2-NT		4	5	2.25	0.0%	Full Attainment
01463620	Assunpink Ck Nr Clarksville	FW2-NT		15	14	7.80	0.0%	Full Attainment
01463850	Miry Run At Route 533 At Mercerville	FW2-NT		11	14	7.11	0.0%	Full Attainment
01464000	Assunpink Cr At Trenton	FW2-NT		15	94	26.20	10.0%	Full Attainment
01464020	Assunpink Creek At Peace Street At Trenton	FW2-NT		12	21	7.69	0.0%	Full Attainment
01464420	Crosswicks Creek Near New Egypt	FW2-NT		4	66	26.00	25.0%	Insufficient Data - Possibly Non Attainment
01464440	Lahaway Creek At Rt 537 At Mercerville	FW2-NT		4	12	5.13	0.0%	Full Attainment
01464500	Crosswicks Ck At Extonville	FW2-NT		15	18	11.80	0.0%	Full Attainment

Table II-6. Data Summary of Total Suspended Solids in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment
01464504	Crosswicks Cr. At Groveville Rd. At Groveville	FW2-NT		11	42	13.60	9.1%	Full Attainment
01464515	Doctors Creek At Allentown	FW2-NT		23	21	7.25	0.0%	Full Attainment
01464529	Bacons Creek Near Mansfield Square	FW2-NT		8	36	11.74	0.0%	Full Attainment
01464578	Annaricken Brook Near Jobstown	FW2-NT		4	74	22.25	25.0%	Insufficient Data - Possibly Non Attainment
01464583	NB Barkers Brook Near Jobstown	FW2-NT		11	50	14.80	9.1%	Full Attainment
01465850	SB Rancocas Ck At Vincentown	FW2-NT		15	11	5.45	0.0%	Full Attainment
01465884	Sharps Run At Rt 541 At Medford	FW2-NT		4	8	4.63	0.0%	Full Attainment
01465893	Little Creek At Chairville	PL	FW2-NT	11	6	2.75	0.0%	Full Attainment
01465950	NB Rancocas Ck At Hanover Furnace	PL		6	2.5	1.75	0.0%	Insufficient Data
01466200	Pole Bridge Br Near Browns Mills	PL		4	4.9	2.35	0.0%	Insufficient Data
01466500	McDonalds Branch In Lebanon State Forest	FW1		14	6	1.71	0.0%	Full Attainment
01467000	NB Rancocas Ck At Pemberton	PL	FW2-NT(PL)	15	9	3.05	0.0%	Full Attainment
01467005	NB Rancocas Creek At Iron Works Park At Mt Holly	FW2-NT		12	9	4.41	0.0%	Full Attainment
01467069	NB Pennsauken Ck Nr Morrestown	FW2-NT		15	34	19.40	6.7%	Full Attainment
01467081	SB Pennsauken Ck At Cherry Hill	FW2-NT		15	73	21.30	13.3%	Non Attainment
01467150	Cooper River At Haddonfield	FW2-NT		47	179	22.88	6.4%	Full Attainment
01467155	North Branch Cooper River At Kresson	FW2-NT		4	13	5.50	0.0%	Full Attainment
01467325	SB Big Timber Creek At Turnersville	FW2-NT		4	5	3.13	0.0%	Full Attainment
01467327	SB Big Timber Creek At Glenloch	FW2-NT		4	3	1.75	0.0%	Full Attainment
01467329	SB Big Timber Ck At Blackwood Terr	FW2-NT		15	41	11.90	8.3%	Full Attainment
01467359	North Branch Big Timber Creek At Glendora	FW2-NT		12	26	14.58	0.0%	Full Attainment
01476600	Still Run Near Mickelton	FW2-NT/SE2		4	12	6.63	0.0%	Full Attainment
01477120	Raccoon Creek Near Swedesboro	FW2-NT/SE2		74	140	14.42	8.1%	Full Attainment
01477440	Oldmans Creek At Jessups Mill	FW2-NT/SE1		4	6.4	3.38	0.0%	Insufficient Data
01477510	Oldmans Ck At Porches Mill	FW2-NT/SE1		15	20	6.95	0.0%	Full Attainment
01482500	Salem River At Woodstown	FW2-NT/SE1		22	59.9	25.00	9.1%	Full Attainment
01482560	Two Penny Run Near Danceys Comer	FW2-NT/SE1		4	73.1	29.65	25.0%	Insufficient Data - Possibly Non Attainment

Table II-6. Data Summary of Total Suspended Solids in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maixmum Value	Average	Exceedance %	Assessment

Table II-6. Data Summary of Total Suspended Solids in Non-Tidal Rivers

[illegible]

Table II-6. Data Summary of Total Suspended Solids in Non-Tidal Rivers

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Table II-6. Data Summary of Total Suspended Solids in Non-Tidal Rivers

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Table II-6. Data Summary of Total Suspended Solids in Non-Tidal Rivers

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Table II-6. Data Summary of Total Suspended Solids in Non-Tidal Rivers

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Table II-6. Data Summary of Total Suspended Solids in Non-Tidal Rivers

Table II-7. Data Summary of Nitrate in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment
01367625	Walkill River At Sparta	FW2-TM	FW2-NT, FW2-TPC1	12	1.10	0.54	0.0%	Full Attainment
01367715	Walkill River At Scott Road At Franklin	FW2-NT		4	0.54	0.35	0.0%	Full Attainment
01367770	Walkill River Near Sussex	FW2-NT		23	9.00	1.44	0.0%	Full Attainment
01367780	Papakating Creek Near Wykertown	FW2-TM	FW2-NT	4	0.74	0.30	0.0%	Full Attainment
01367800	Papakating Creek At Pelletown	FW2-NT		8	1.20	0.85	0.0%	Full Attainment
01367850	WB Papakating Ck At McCoys Corner	FW2-NT		4	1.25	0.75	0.0%	Full Attainment
01367860	Papakating Creek Near Sussex	FW2-NT		4	1.00	0.76	0.0%	Full Attainment
01367910	Papakating Ck At Sussex	FW2-NT		15	1.60	0.80	0.0%	Full Attainment
01368000	Walkill R Nr Unionville	FW2-NT		15	1.40	1.08	0.0%	Full Attainment
01368820	Double Kill At Waywayanda	FW2-NTC1	FW1	12	0.14	0.06	0.0%	Full Attainment
01368950	Black Creek Nr Vernon	FW2-NT	FW2-TPC1, FW2-TM	15	2.50	0.70	0.0%	Full Attainment
01376970	Hacksack River At Old Tappan	FW2-NT		4	0.49	0.33	0.0%	Full Attainment
01377000	Hacksack River At Rivervale	FW2-NT		21	1.30	0.52	0.0%	Full Attainment
01377499	Musquapsink Brook At River Vale	FW2-NT		8	7.80	2.15	0.0%	Full Attainment
01377500	Pascack Brook At Westwood	FW2-NT		8	1.50	0.99	0.0%	Full Attainment
01378387	Tenakill Brook At Cedar Lane At Closter	FW2-NT		4	1.80	1.21	0.0%	Full Attainment
01378560	Coles Brook At Hacksack	FW2-NT/SE1		12	1.80	1.03	0.0%	Full Attainment
01378780	Primrose Brook At Morristown National Park	FW2-TPC1	FW2-NT	12	0.41	0.26	0.0%	Full Attainment
01378855	Black Brook At Madison	FW2-NT		8	1.00	0.40	0.0%	Full Attainment
01379000	Passaic R Nr Millington	FW2-NT		17	0.88	0.30	0.0%	Full Attainment
01379200	Dead River Near Millington	FW2-NT		16	13.00	4.94	12.5%	Non Attainment
01379500	Passaic R Nr Catham	FW2-NT		16	3.10	1.22	0.0%	Full Attainment
								Insufficient Data - Possibly Full
01379530	Canoe Brook near Summit	FW2-NT		4	0.55	0.34	0.0%	Attainment
01379680	Roackaway River At Longwood Valley	FW2-NT		4	0.23	0.10	0.0%	Full Attainment
								Insufficient Data - Possibly Full
01379700	Rockaway River At Berkshire Va	FW2-NT		4	0.20	0.14	0.0%	Attainment
								Insufficient Data - Possibly Full
01379800	Green Pond Brook At Dover	FW2-NT		4	0.19	0.11	0.0%	Attainment
								Insufficient Data - Possibly Full
01379853	Rockaway River At Blackwell St	FW2-NT		4	0.35	0.32	0.0%	Attainment

Table II-7. Data Summary of Nitrate in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment
01380100	Beaver Brook At Rockaway	FW2-NT	FW2-TPC1, FW2-TM	12	0.36	0.16	0.0%	Insufficient Data - Possibly Full Attainment
01380320	Stony Brook At Boonton	FW2-NT		4	0.30	0.20	0.0%	Full Attainment
01380500	Rockaway R At Boonton	FW2-NT		16	0.76	0.40	0.0%	Full Attainment
01381050	Crooked Brook Near Towaco	FW2-NT		4	0.39	0.14	0.0%	Full Attainment
01381200	Rockaway R At Pine Brook	FW2-NT		15	5.50	1.79	0.0%	Full Attainment
01381500	Whippany R At Morristown	FW2-NT		16	1.80	1.30	0.0%	Full Attainment
01381800	Whippany River Near Pine Brook	FW2-NT		23	3.30	1.42	0.0%	Full Attainment
01382000	Passaic River At Two Bridges	FW2-NT		58	6.60	2.10	0.0%	Full Attainment
01382410	Macopin River At Echo Lake	FW2-NT		7	0.22	0.10	0.0%	Full Attainment
01382450	Macopin River At Macopin Reservoir	FW2-NT		12	0.39	0.20	0.0%	Full Attainment
01382500	Pequannock River At Macopin Intake Dam	FW2-TM	FW2-TPC1	23	1.10	0.24	0.0%	Full Attainment
01382800	Pequannock River At Riverdale	FW2-TMC1	FW2-TMC1	4	0.70	0.46	0.0%	Insufficient Data - Possibly Full Attainment
01383505	Wanaque River Near Awosting	FW2-TPC1		4	0.16	0.08	0.0%	Full Attainment
01387010	Wanaque River At Highland Avenue At Wanaque	FW2-NT		4	1.10	0.62	0.0%	Full Attainment
01387041	Wanaque River At Pompton Lakes	FW2-NT		4	0.99	0.51	0.0%	Insufficient Data - Possibly Full Attainment
01387500	Ramapo River Near Mahwah	FW2-NT		21	4.40	1.39	0.0%	Full Attainment
01388000	Ramapo R At Pompton Lakes	FW2-NT		13	2.40	0.78	0.0%	Full Attainment
01388100	Ramapo River At Dawes Highway	FW2-NT		4	0.60	0.31	0.0%	Insufficient Data - Possibly Full Attainment
01388500	Pompton River At Pompton Plains	FW2-NT		12	1.50	0.71	0.0%	Full Attainment
01389005	Passaic R Below Pompton R At Two Br	FW2-NT		20	4.50	2.14	0.0%	Full Attainment
01389080	Preakness Brook Near Little Fa	FW2-NT		4	1.20	1.15	0.0%	Insufficient Data - Possibly Full Attainment
01389138	Deepavaal Brook At Fairfield	FW2-NT		4	1.50	0.96	0.0%	Insufficient Data - Possibly Full Attainment
01389500	Passaic River At Little Falls	FW2-NT		26	7.90	2.20	0.0%	Full Attainment

Table II-7. Data Summary of Nitrate in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment
01389600	Peckman River At West Patterson	FW2-NT		4	8.90	5.50	0.0%	Insufficient Data - Possibly Full Attainment
01389850	Goffle Brook At Hawthorne	FW2-NT		4	2.00	1.85	0.0%	Insufficient Data - Possibly Full Attainment
01389860	Diamond Bk At Fair Lawn	FW2-NT		4	2.94	2.27	0.0%	Full Attainment
01389880	Passaic R At Elmwood Pk	FW2-NT		15	3.10	1.31	0.0%	Full Attainment
01390445	WB Saddle R At Upper Saddle River	FW2-TPC1		4	1.82	1.32	0.0%	Full Attainment
01390470	Saddle River At Saddle River	FW2-NT/SE3	FW2-TPC1, FW2-TM	4	1.80	1.60	0.0%	Full Attainment
01390500	Saddle R At Ridgewood	FW2-NT/SE3	FW2-TPC1, FW2-TM	32	1.80	1.40	0.0%	Full Attainment
01390510	Saddle River At Ridgewood Avenue At Ridgewood	FW2-NT/SE3		4	1.60	1.33	0.0%	Full Attainment
01390518	Saddle River At Grove Street A	FW2-NT/SE3		4	1.40	1.21	0.0%	Insufficient Data - Possibly Full Attainment
01390900	Ramsey Brook At Allendale	FW2-NT/SE2		4	0.81	0.44	0.0%	Full Attainment
01391100	Hohokus Brook At Mouth At Paramus	FW2-NT/SE3		4	13.00	9.63	50.0%	Insufficient Data - Possibly Non Attainment
01391490	Saddle River At Rochelle Park	FW2-NT/SE3		4	5.30	4.25	0.0%	Full Attainment
01391500	Saddle River At Lodi	FW2-NT/SE3		23	9.10	4.62	0.0%	Full Attainment
01393350	WB Elizabeth River Near Union	FW2-NT		4	1.50	0.64	0.0%	Full Attainment
01393450	Elizabeth R At Ursino Lk At Elizabe	FW2-NT		15	3.30	1.89	0.0%	Full Attainment
01393960	WB Rahway R. At Northfield Ave. At West Orange	FW2-NT		4	1.20	0.82	0.0%	Full Attainment
01394500	Rahway River Near Springfield	FW2-NT		23	2.50	1.47	0.0%	Full Attainment
01395000	Rahway River At Rahway	FW2-NT		22	2.10	1.02	0.0%	Full Attainment
01395200	Robinson Branch At Scotch Plains	FW2-NT		4	1.30	0.95	0.0%	Full Attainment
01396003	Robinson Br At St Georges Av At Rahway	FW2-NT		4	0.82	0.55	0.0%	Full Attainment
01396219	Stony Brook At Fairview Avenue At Naughtright	FW2-TPC1		4	1.20	0.89	0.0%	Full Attainment
01396280	SB Raritan R At Middle Valley	FW2-TPC1	FW2-TM	15	2.00	1.45	0.0%	Full Attainment
01396535	SB Raritan R Arch St At High Bridge	FW2-TM		16	1.80	1.32	0.0%	Full Attainment
01396550	Spruce Run At Newport	FW2-TPC1		12	0.85	0.44	0.0%	Full Attainment
01396588	Spruce Run Nr Glen Gardner	FW2-TMC1	FW2-TPC1	16	2.00	1.06	0.0%	Full Attainment

Table II-7. Data Summary of Nitrate in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment
01396660	Mulhockaway Creek At Van Syckel	FW2-TPC1		23	1.50	0.84	0.0%	Full Attainment
01397000	SB Raritan R At Stanton Station	FW2-TM		15	1.40	1.04	0.0%	Full Attainment
01397400	SB Raritan R At Three Bridges	FW2-NT		15	0.92	1.41	0.0%	Full Attainment
01398000	Neshanic River At Reaville	FW2-NT	FW2-TM	91	4.40	1.55	0.0%	Full Attainment
01398070	SB Raritan River At Neshanic Station	FW2-NT	FW2-TM	4	2.10	1.43	0.0%	Full Attainment
01398102	SB Raritan River At South Branch	FW2-NT	FW2-TM	10	2.40	1.58	0.0%	Full Attainment
01398260	NB Raritan R Nr Chester	FW2-TPC1		14	4.90	2.06	0.0%	Full Attainment
01398300	Dawsons Brook Near Ironia	FW2-TPC1		4	0.93	0.54	0.0%	Full Attainment
01399100	Middle Brook At Burnt Mills	FW2-NT		4	1.02	0.70	0.0%	Full Attainment
01399120	NB Raritan R At Burnt Mills	FW2-NT		15	1.40	0.91	0.0%	Full Attainment
01399500	Lamington (Black)R Nr Pottersville	FW2-TPC1	FW2-TMC1, FW2-NTC1	16	3.90	0.94	0.0%	Full Attainment
01399700	Rockaway Ck At Whitehouse	FW2-NT	FW2-TM	15	1.60	1.12	0.0%	Full Attainment
01399780	Lamington River At Burnt Mills	FW2-NT	FW2-TPC1, FW2-TM	23	1.40	0.80	0.0%	Full Attainment
01399900	Chambers Brook At North Branch Depot	FW2-NT		4	1.77	1.19	0.0%	Full Attainment
01400000	North Branch Raritan River Near Raritan	FW2-NT		12	1.16	0.79	0.0%	Full Attainment
01400395	Peters Brook At Rt 28 At Somerville	FW2-NT		4	1.50	0.91	0.0%	Full Attainment
01400500	Raritan R At Manville	FW2-NT		14	2.30	1.27	0.0%	Full Attainment
01400540	Millstone R Nr Manalapan	FW2-NT		15	1.80	1.22	0.0%	Full Attainment
01400585	Rocky Brook At Perrineville	FW2-NT		8	2.40	1.31	0.0%	Full Attainment
01400640	Millstone River Near Grovers M	FW2-NT		8	6.00	4.45	0.0%	Full Attainment
01400650	Millstone River At Grovers Mill	FW2-NT		9	4.30	3.26	0.0%	Full Attainment
01400690	Cranbury Book Near Prospect Plains	FW2-NT		4	3.60	2.49	0.0%	Full Attainment
01401000	Stony Brook At Princeton	FW2-NT		41	1.57	0.69	0.0%	Full Attainment
01401200	Duck Pond Run at Clarksville	FW2-NT		4	1.97	1.02	0.0%	Full Attainment
01401400	Heathcote Brook At Kingston	FW2-NT		12	4.90	2.74	0.0%	Full Attainment
01401600	Bedens Brook Nr Rocky Hill	FW2-NT		16	4.14	1.80	0.0%	Full Attainment
01401700	Pike Run Near Rocky Hill	FW2-NT		4	2.80	2.50	0.0%	Full Attainment
01402000	Millstone River At Blackwells Mills	FW2-NT		22	4.27	2.68	0.0%	Full Attainment
01403300	Raritan R At Queens Bridge	FW2-NT		69	3.85	2.00	0.0%	Full Attainment
01403385	Bound Brook At Route 28 At Middlesex	FW2-NT		12	1.68	0.77	0.0%	Full Attainment
01403470	Green Brook At North Plainfield	FW2-TM	FW2-NT	4	0.91	0.68	0.0%	Full Attainment
01403900	Bound Bk At Middlesex	FW2-NT		53	1.30	0.85	0.0%	Full Attainment
01404470	Ireland Brook At Patricks Corners	FW2-NT		4	1.50	1.02	0.0%	Full Attainment
01405195	Matchaponix Brook At Englishtown	FW2-NT		4	0.99	0.75	0.0%	Full Attainment
01405285	Barclay Bk Near Englishtown	FW2-NT		4	0.08	0.05	0.0%	Full Attainment
01405302	Matchaponix Bk At Spotswood	FW2-NT		15	9.76	4.49	0.0%	Full Attainment

Table II-7. Data Summary of Nitrate in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment
01405340	Manalapan Brook At Federal Rd Nr Manalapan	FW2-NT		22	1.20	0.82	0.0%	Full Attainment
01407090	Town Brook At Middletown	FW2-NT/SE1		4	0.91	0.61	0.0%	Full Attainment
01407360	Yellow Brook Near Malboro	FW2-NT		4	1.10	0.74	0.0%	Full Attainment
01407630	Poplar Brook At Deal	FW2-NT/SE1		4	0.35	0.25	0.0%	Full Attainment
01407720	Jumping Brook At Green Grove	FW2-NT/SE1		4	0.61	0.50	0.0%	Full Attainment
01407868	Long Brook At Wyckoff Mills	FW2-NT		12	1.86	0.81	0.0%	Full Attainment
01407997	Marsh Bog Brook At Squankum	FW2-NT		4	0.16	0.11	0.0%	Full Attainment
01408000	Manasquan River At Squankum	FW2-TM		23	0.88	0.50	0.0%	Full Attainment
01408009	Mingamahone Brook Near Earle	FW2-TM		12	0.14	0.05	0.0%	Full Attainment
01408100	NB Metedeconk River At Lakewood	FW2-TM	FW2-NT	12	0.71	0.43	0.0%	Full Attainment
01408152	SB Metedeconk River Near Laurelton	FW2-NT		4	0.62	0.44	0.0%	Full Attainment
01408285	Maple Root Br At Bowman Rd Near Homansville	PL-TM		4	0.04	0.02	0.0%	Full Attainment
01408480	Shannoc Brook Trib At Colliers Mills	PL		4	0.66	0.38	0.0%	Full Attainment
01408500	Toms River Near Toms River	FW2-NT/SE1	FW2-TM, PL-TM	23	1.00	0.48	0.0%	Full Attainment
01408830	Cedar Brook At Cedar Crest	PL		12	0.13	0.03	0.0%	Full Attainment
01409050	North Branch Forked River Near Forked River	PL		8	0.12	0.05	0.0%	Full Attainment
01409375	Mullica R Nr Atco	PL		21	0.93	0.31	0.0%	Full Attainment
01409383	Mullica R At Indian Mills	PL		18	0.15	0.04	0.0%	Full Attainment
01409387	Mullica River At Outlet Of Atsion Lake At Atsion	PL		21	0.21	0.10	0.0%	Full Attainment
014094005	Mullica R Nr Batsto	PL		18	0.24	0.08	0.0%	Full Attainment
01409401	Hays Mill Cr At Atco	PL		21	1.60	0.55	0.0%	Full Attainment
01409402	Hays Mill Cr Nr Chesilhurst	PL		21	1.60	1.07	0.0%	Full Attainment
014094037	Sleeper Branch Nr Atsion	PL		22	0.83	0.53	0.0%	Full Attainment
014094048	Clark Branch Nr Atsion	PL		20	1.12	0.16	0.0%	Full Attainment
01409408	Pump Branch Near Waterford Works	PL		23	1.92	0.91	0.0%	Full Attainment
014094095	Blue Anchor Brook At Elm	PL		31	0.95	0.24	0.0%	Full Attainment
014094097	Albertson Branch Nr Elm	PL		22	1.40	0.69	0.0%	Full Attainment
014094107	Great Swamp Br Below Rt 206 Near Hammonton	PL		23	3.28	2.15	56.5%	Non Attainment
01409411	Nescochague Cr At Pleasant Mills	PL		18	1.10	0.42	0.0%	Full Attainment
01409416	Hammonton Creek At Westcoatville	PL		22	2.20	1.18	4.5%	Full Attainment
01409432	Batsto R At Hampton Furnace	PL		18	0.74	0.44	0.0%	Full Attainment
01409439	Skit Branch At Hampton Furnace	PL		19	0.13	0.03	0.0%	Full Attainment
01409449	Indian Mills Brook At Indian Mills	PL		4	0.81	0.39	0.0%	Full Attainment

Table II-7. Data Summary of Nitrate in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment
01409455	Springers Bk Nr Hampton Furnace	PL		18	1.10	0.33	0.0%	Full Attainment
01409470	Batsto R At Quaker Bridge	PL		18	0.42	0.17	0.0%	Full Attainment
01409500	Batsto River At Batsto	PL		22	0.33	0.14	0.0%	Full Attainment
01409600	Landing Creek Near Egg Harbor City	PL		4	0.59	0.48	0.0%	Full Attainment
01409690	W Branch Wading River At Chatsworth	PL		4	0.02	0.02	0.0%	Full Attainment
01409750	West Br Wading R Nr Jenkins	PL		21	0.09	0.03	0.0%	Full Attainment
01409780	Tulpehocken Cr Nr Jenkins	PL		18	0.14	0.03	0.0%	Full Attainment
01409815	West Branch Wading River At Maxwell	PL		12	0.05	0.03	0.0%	Full Attainment
01409960	Papoose Branch Near Sim Place	PL		4	0.20	0.07	0.0%	Full Attainment
01410000	Oswego R At Harrisville	PL		5	0.60	0.18	0.0%	Full Attainment
01410150	East Branch Bass River Near New Gretna	PL		22	0.28	0.05	0.0%	Full Attainment
01410455	South Branch Absecon Creek Near Pomona	PL		4	0.39	0.28	0.0%	Full Attainment
01410784	Great Egg Harbor R Nr Sicklerville	PL	FW2-NT(PL)	56	0.78	0.37	0.0%	Full Attainment
01411000	Great Egg Harbor R At Folsom	PL		15	0.79	0.51	0.0%	Full Attainment
01411035	Hospitality Branch At Blue Bell Road Near Cecil	PL		12	1.80	1.21	0.0%	Full Attainment
01411050	Hospitality Branch Near Cecil	PL		4	0.84	0.41	0.0%	Full Attainment
01411110	Great Egg Harbor River At Weymouth	PL		23	0.63	0.39	0.0%	Full Attainment
01411196	Babcock Creek Near Mays Landing	PL		12	0.78	0.48	0.0%	Full Attainment
01411220	South River Near Belcoville	PL		4	0.75	0.73	0.0%	Full Attainment
01411241	Gibson Creek At Rt 50 Near Corbin City	FW2-NT/SE1		4	1.10	0.31	0.0%	Full Attainment
01411400	Fishing Creek At Rio Grande	FW2-NT/SE1		12	0.40	0.10	0.0%	Full Attainment
01411428	Dennis Creek Trib 2 At Dennisville	PL		4	0.36	0.12	0.0%	Full Attainment
01411440	Old Robins Branch Near North Dennis	FW2-NTC1/SE1		3	0.06	0.04	0.0%	Full Attainment
01411441	Savages Run In Belleplain State Forest	PL		4	1.60	1.40	0.0%	Insufficient Data - Possibly Full Attainment
01411444	West Creek At Leesburg	PL		8	0.12	0.04	0.0%	Full Attainment
01411453	Still Run Near Malaga	FW2-NT		4	1.60	1.15	0.0%	Full Attainment
01411458	Little Ease Run At Porchtown	FW2-NT	FW1	4	1.10	0.71	0.0%	Full Attainment
01411466	Indian Branch Near Malaga	FW2-NT		12	0.72	0.48	0.0%	Full Attainment
01411500	Maurice River At Norma	FW2-NT/SE1		21	2.13	1.40	0.0%	Full Attainment
01411780	Muddy Run Near Norma	FW2-NT		4	2.70	1.89	0.0%	Full Attainment
01411800	Maurice River Near Millville	FW2-NT/SE1		4	1.90	1.48	0.0%	Full Attainment
01411950	Buckshutem Creek Near Laurel Lake	FW2-NTC1		4	0.11	0.05	0.0%	Full Attainment
01411955	Gravelly Run At Laurel Lake	FW1		12	0.15	0.10	0.0%	Full Attainment
01412200	Pages Run At Newport	FW2-NTC1/SE1		4	0.27	0.16	0.0%	Full Attainment
01412800	Cohansey River At Seeley	FW2-NT/SE1		23	5.96	4.65	0.0%	Full Attainment

Table II-7. Data Summary of Nitrate in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment
01413065	Canton Drain At Maskell Mill	FW2-NT/SE1		4	0.35	0.10	0.0%	Full Attainment
01439830	Big Flat Brook At Tuttlles Corner	FW2-TPC1	FW1-TP/NT, FW2-NTC1	4	0.46	0.17	0.0%	Full Attainment
01440000	Flat Brook Near Flatbrookville	FW2-TM	FW1-TP/NT, FW2-TP	20	0.26	0.09	0.0%	Full Attainment
01442760	Dunnfield Creek At Dunnfield	FW1-TP		13	0.41	0.08	0.0%	Full Attainment
01443370	Dry Bk at Rt 519 Near Branchville	FW2-NT		4	0.24	0.10	0.0%	Full Attainment
01443440	Paulins Kill At Balesville	FW2-NT	FW2-TM	15	1.40	1.00	0.0%	Full Attainment
01443500	Paulins Kill At Blairstown	FW2-TM	FW2-TPC, FW2-NT	23	1.10	0.53	0.0%	Full Attainment
01443550	Jacksonburg Creek Near Millbrook	FW2-TM	FW2-NT	4	0.03	0.02	0.0%	Full Attainment
01443600	Jacksonburg Creek Near Blairstown	FW2-TM		4	0.36	0.25	0.0%	Full Attainment
01444970	Pequest River At Rt206 Below Springdale	FW2-TM	FW2-NT	4	0.62	0.41	0.0%	Full Attainment
01445000	Pequest River at Huntsville	FW2-TM	FW2-NT	4	0.47	0.38	0.0%	Full Attainment
01445500	Pequest R At Pequest	FW2-TM	FW2-NT	15	1.70	1.19	0.0%	Full Attainment
01446400	Pequest River At Belvidere	FW2-TM	FW2-NT	12	1.50	1.05	0.0%	Full Attainment
01455200	Pohatcong Ck At New Village	FW2-TM	FW2-TPC1	14	2.80	2.02	0.0%	Full Attainment
01456200	Musconetcong R At Beattystown	FW2-TM		15	2.16	1.38	0.0%	Full Attainment
01457000	Musconetcong R Nr Bloomsbury	FW2-TM		15	2.50	1.89	0.0%	Full Attainment
01457400	Musconetcong River At Riegelsville	FW2-TM		24	2.80	1.81	0.0%	Full Attainment
01458570	Nishisakawick Creek Near Frenchtown	FW2-NT		12	2.80	1.73	0.0%	Full Attainment
01458710	Copper Ck Near Frenchtown	FW2-NT		4	3.10	2.09	0.0%	Full Attainment
01461220	Wickecheoke Creek At Croton	FW2-NT		3	1.40	0.61	0.0%	Full Attainment
01461262	Plum Brook Near Locktown	FW2-TM		3	0.10	0.05	0.0%	Full Attainment
01462739	Jacobs Creek At Bear Tavern	FW2-NT		4	1.80	0.86	0.0%	Full Attainment
01463620	Assunpink Ck Nr Clarksville	FW2-NT		15	1.30	0.73	0.0%	Full Attainment
01463810	Shabakunk Creek Near Lawrenceville	FW2-NT		2	0.95	0.86	0.0%	Full Attainment
01463850	Miry Run At Route 533 At Mercerville	FW2-NT		12	1.80	1.12	0.0%	Full Attainment
01464000	Assunpink Cr At Trenton	FW2-NT		10	5.70	2.90	0.0%	Full Attainment
01464020	Assunpink Creek At Peace Street At Trenton	FW2-NT		12	8.40	4.29	0.0%	Full Attainment
01464420	Crosswicks Creek Near New Egypt	FW2-NT		4	0.61	0.36	0.0%	Full Attainment
01464440	Lahaway Creek At Rt 537 At Mercerville	FW2-NT		4	0.33	0.15	0.0%	Full Attainment
01464500	Crosswicks Ck At Extonville	FW2-NT		14	1.10	0.51	0.0%	Full Attainment
01464504	Crosswicks Cr. At Groveville Rd. At Groveville	FW2-NT		11	1.30	0.65	0.0%	Full Attainment
01464515	Doctors Creek At Allentown	FW2-NT		23	1.80	0.99	0.0%	Full Attainment
01464529	Bacons Creek Near Mansfield Square	FW2-NT		8	0.87	0.60	0.0%	Full Attainment
01464578	Annaricken Brook Near Jobstown	FW2-NT		4	1.10	0.83	0.0%	Full Attainment

Table II-7. Data Summary of Nitrate in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment
01464583	NB Barkers Brook Near Jobstown	FW2-NT		12	1.40	0.40	0.0%	Full Attainment
01465850	SB Rancocas Ck At Vincentown	FW2-NT		14	0.71	0.47	0.0%	Full Attainment
01465884	Sharps Run At Rt 541 At Medford	FW2-NT		4	0.25	0.17	0.0%	Full Attainment
01465893	Little Creek At Chairville	PL	FW2-NT	11	0.20	0.09	0.0%	Full Attainment
01465950	NB Rancocas Ck At Hanover Furnace	PL		8	0.04	0.02	0.0%	Full Attainment
01466200	Pole Bridge Br Near Browns Mills	PL		4	0.05	0.03	0.0%	Full Attainment
01466500	McDonalds Branch In Lebanon State Forest	FW1		14	0.10	0.03	0.0%	Full Attainment
01467000	NB Rancocas Ck At Pemberton	PL	FW2-NT(PL)	15	0.12	0.07	0.0%	Full Attainment
01467005	NB Rancocas Creek At Iron Works Park At Mt Holly	FW2-NT		4	0.33	0.28	0.0%	Full Attainment
01467006	NB Rancocas Creek At Pine St At Mt Holly	FW2-NT		8	0.91	0.31	0.0%	Full Attainment
01467069	NB Pennsauken Ck Nr Morrestown	FW2-NT		15	0.71	0.40	0.0%	Full Attainment
01467081	SB Pennsauken Ck At Cherry Hill	FW2-NT		15	13.02	2.59	6.0%	Full Attainment
01467150	Cooper River At Haddonfield	FW2-NT		47	1.33	0.31	0.0%	Full Attainment
01467155	North Branch Cooper River At Kresson	FW2-NT		4	0.26	0.10	0.0%	Full Attainment
01467325	SB Big Timber Creek At Turnersville	FW2-NT		4	1.70	1.50	0.0%	Full Attainment
01467327	SB Big Timber Creek At Glenloch	FW2-NT		4	0.95	0.71	0.0%	Full Attainment
01467329	SB Big Timber Ck At Blackwood Terr	FW2-NT		16	1.50	1.00	0.0%	Full Attainment
01467359	North Branch Big Timber Creek At Glendora	FW2-NT		12	0.74	0.49	0.0%	Full Attainment
01476600	Still Run Near Mickelton	FW2-NT/SE2		4	3.10	2.93	0.0%	Full Attainment
01477120	Raccoon Creek Near Swedesboro	FW2-NT/SE2		47	2.00	1.31	0.0%	Full Attainment
01477440	Oldmans Creek At Jessups Mill	FW2-NT/SE1		4	5.25	4.45	0.0%	Full Attainment
01477510	Oldmans Ck At Porches Mill	FW2-NT/SE1		15	2.90	1.79	0.0%	Full Attainment
01482500	Salem River At Woodstown	FW2-NT/SE1		22	4.20	2.04	0.0%	Full Attainment
01482560	Two Penny Run Near Danceys Comer	FW2-NT/SE1		4	6.12	3.83	0.0%	Insufficient Data - Possibly Full Attainment
01367770	Wallkill River Near Sussex	FW2-NT		23	9.00	1.44	0.0%	Full Attainment
01377499	Musquapsink Brook At River Vale	FW2-NT		8	7.60	2.15	0.0%	Full Attainment
01382000	Passaic River At Two Bridges	FW2-NT		58	6.60	2.10	0.0%	Full Attainment
01389500	Passaic River At Little Falls	FW2-NT		26	7.90	2.20	0.0%	Full Attainment
01391490	Saddle River At Rochelle Park	FW2-NT/SE3		4	5.30	4.25	0.0%	Full Attainment
01391500	Saddle River At Lodi	FW2-NT/SE3		23	9.10	4.62	0.0%	Full Attainment
01400640	Millstone River Near Grovers M	FW2-NT		8	6.00	4.45	0.0%	Full Attainment
01405302	Matchaponix Bk At Spotswood	FW2-NT		15	9.76	4.49	0.0%	Full Attainment
01409402	Hays Mill Cr Nr Chesilhurst	PL		21	1.60	1.07	0.0%	Full Attainment

Table II-7. Data Summary of Nitrate in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment
01409416	Hammonton Creek At Westcoatville	PL		22	2.20	1.18	4.5%	Full Attainment
01411035	Hospitality Branch At Blue Bell Road Near Cecil	PL		12	1.80	1.21	0.0%	Full Attainment
01411441	Savages Run In Belleplain State Forest	PL		4	1.60	1.40	0.0%	Insufficient Data - Possibly Full Attainment
01412800	Cohansey River At Seeley	FW2-NT/SE1		23	5.96	4.65	0.0%	Full Attainment
01464000	Assunpink Cr At Trenton	FW2-NT		10	5.70	2.90	0.0%	Full Attainment
01464020	Assunpink Creek At Peace Street At Trenton	FW2-NT		12	8.40	4.29	0.0%	Full Attainment
01467081	SB Pennsauken Ck At Cherry Hill	FW2-NT		15	13.02	2.59	6.0%	Full Attainment
01477440	Oldmans Creek At Jessups Mill	FW2-NT/SE1		4	5.25	4.45	0.0%	Full Attainment

Table II-8. Data Summary of Unionized Ammonia in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment
01367625	Wallkill River At Sparta	FW2-TM	FW2-NT, FW2-TPC1	12	36.97	4.30	8.3%	Full Attainment
01367715	Wallkill River At Scott Road At Franklin	FW2-NT		4	1.00	0.60	0.0%	Full Attainment
01367770	Wallkill River Near Sussex	FW2-NT		23	2.05	0.55	0.0%	Full Attainment
01367780	Papakating Creek Near Wykertown	FW2-TM	FW2-NT	4	0.85	0.33	0.0%	Full Attainment
01367800	Papakating Creek At Pelletown	FW2-NT		8	1.06	0.35	0.0%	Full Attainment
01367850	WB Papakating Ck At McCoys Corner	FW2-NT		4	0.55	0.35	0.0%	Full Attainment
01367860	Papakating Creek Near Sussex	FW2-NT		4	0.77	0.34	0.0%	Full Attainment
01367910	Papakating Ck At Sussex	FW2-NT		14		1.26	0.0%	Full Attainment
01368000	Wallkill R Nr Unionville	FW2-NT		14		0.82	0.0%	Full Attainment
01368820	Double Kill At Waywayanda	FW2-NTC1	FW1	10	0.50	0.19	0.0%	Full Attainment
01368950	Black Creek Nr Vernon	FW2-NT	FW2-TPC1, FW2-TM	14		0.90	0.0%	Full Attainment
01376970	Hacksack River At Old Tappan	FW2-NT		4	3.39	1.36	0.0%	Full Attainment
01377000	Hacksack River At Rivervale	FW2-NT		22	4.04	0.83	0.0%	Full Attainment
01377499	Musquapsink Brook At River Vale	FW2-NT		8	4.71	1.48	0.0%	Full Attainment
01377500	Pascack Brook At Westwood	FW2-NT		8	2.19	0.69	0.0%	Full Attainment
01378387	Tenakill Brook At Cedar Lane At Closter	FW2-NT		4	3.68	1.47	0.0%	Full Attainment
01378560	Coles Brook At Hacksack	FW2-NT/SE1		12	7.74	1.53	0.0%	Full Attainment
01378780	Primrose Brook At Morristown National Park	FW2-TPC1	FW2-NT	11	0.27	0.11	0.0%	Full Attainment
01378855	Black Brook At Madison	FW2-NT		8	3.00	0.84	0.0%	Full Attainment
01379000	Passaic R Nr Millington	FW2-NT		16		0.21	0.0%	Full Attainment
01379200	Dead River Near Millington	FW2-NT		16	1.70	0.44	0.0%	Full Attainment
01379500	Passaic R Nr Catham	FW2-NT		15		0.81	0.0%	Full Attainment
01379530	Canoe Brook near Summit	FW2-NT		4	0.47	0.38	0.0%	Insufficient Data - Possibly Full Attainment
01379680	Roackaway River At Longwood Valley	FW2-NT		4	1.18	0.42	0.0%	Full Attainment
01379700	Rockaway River At Berkshire Va	FW2-NT		4	0.64	0.30	0.0%	Insufficient Data - Possibly Full Attainment
01379800	Green Pond Brook At Dover	FW2-NT		4	1.96	0.85	0.0%	Insufficient Data - Possibly Full Attainment
01379853	Rockaway River At Blackwell St	FW2-NT		4	0.61	0.40	0.0%	Insufficient Data - Possibly Full Attainment

Table II-8. Data Summary of Unionized Ammonia in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment
01380100	Beaver Brook At Rockaway	FW2-NT	FW2-TPC1, FW2-TM	11	0.39	0.12	0.0%	Full Attainment
01380320	Stony Brook At Boonton	FW2-NT		4	0.56	0.20	0.0%	Full Attainment
01380500	Rockaway R At Boonton	FW2-NT		15		0.53	0.0%	Full Attainment
01381050	Crooked Brook Near Towaco	FW2-NT		4	0.22	0.12	0.0%	Full Attainment
01381200	Rockaway R At Pine Brook	FW2-NT		14		0.65	0.0%	Full Attainment
01381500	Whippany R At Morristown	FW2-NT		14		1.80	0.0%	Full Attainment
01381800	Whippany River Near Pine Brook	FW2-NT		22	3.14	0.85	0.0%	Full Attainment
01382000	Passaic River At Two Bridges	FW2-NT		45	5.33	0.97	0.0%	Full Attainment
01382410	Macopin River At Echo Lake	FW2-NT		7	1.07	0.24	0.0%	Full Attainment
01382450	Macopin River At Macopin Reservoir	FW2-NT		12	0.28	0.14	0.0%	Full Attainment
01382500	Pequannock River At Macopin Intake Dam	FW2-TM	FW2-TPC1	22	1.14	0.18	0.0%	Full Attainment
01382800	Pequannock River At Riverdale	FW2-TMC1		4	1.05	0.37	0.0%	Insufficient Data - Possibly Full Attainment
01383505	Wanaque River Near Awosting	FW2-TPC1	FW2-TMC1	4	0.14	0.07	0.0%	Full Attainment
01387010	Wanaque River At Highland Avenue At Wanaque	FW2-NT		4	0.76	0.38	0.0%	Full Attainment
01387041	Wanaque River At Pompton Lakes	FW2-NT		4	0.34	0.18	0.0%	Insufficient Data - Possibly Full Attainment
01387500	Ramapo River Near Mahwah	FW2-NT		22	17.35	1.69	0.0%	Full Attainment
01388000	Ramapo R At Pompton Lakes	FW2-NT		13	4.19	1.02	0.0%	Full Attainment
01388100	Ramapo River At Dawes Highway	FW2-NT		4	11.31	4.00	0.0%	Insufficient Data - Possibly Full Attainment
01388500	Pompton River At Pompton Plains	FW2-NT		12	3.77	0.75	0.0%	Full Attainment
01389005	Passaic R Below Pompton R At Two Br	FW2-NT		14	3.17	0.70	0.0%	Full Attainment
01389080	Preakness Brook Near Little Falls	FW2-NT		4	0.29	0.23	0.0%	Insufficient Data - Possibly Full Attainment
01389138	Deepavaal Brook At Fairfield	FW2-NT		4	2.93	1.37	0.0%	Insufficient Data - Possibly Full Attainment
01389500	Passaic River At Little Falls	FW2-NT		25	4.10	0.85	0.0%	Full Attainment
01389600	Peckman River At West Patterson	FW2-NT		4	0.68	0.42	0.0%	Insufficient Data - Possibly Full Attainment

Table II-8. Data Summary of Unionized Ammonia in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment
01389850	Goffle Brook At Hawthorne	FW2-NT		4	0.33	0.30	0.0%	Insufficient Data - Possibly Full Attainment
01389860	Diamond Bk At Fair Lawn	FW2-NT		4	0.47	0.38	0.0%	Full Attainment
01389880	Passaic R At Elmwood Pk	FW2-NT		14		0.64	0.0%	Full Attainment
01390445	WB Saddle R At Upper Saddle River	FW2-TPC1		4	0.55	0.35	0.0%	Full Attainment
01390470	Saddle River At Saddle River	FW2-NT/SE3	FW2-TPC1, FW2-TM	4	0.39	0.24	0.0%	Full Attainment
01390500	Saddle R At Ridgewood	FW2-NT/SE3	FW2-TPC1, FW2-TM	31	4.27	0.68	0.0%	Full Attainment
01390510	Saddle River At Ridgewood Avenue At Ridgewood	FW2-NT/SE3		4	0.53	0.31	0.0%	Full Attainment
01390518	Saddle River At Grove Street A	FW2-NT/SE3		4	0.79	0.40	0.0%	Insufficient Data - Possibly Full Attainment
01390900	Ramsey Brook At Allendale	FW2-NT/SE2		4	0.91	0.39	0.0%	Full Attainment
01391100	Hohokus Brook At Mouth At Paramus	FW2-NT/SE3		4	129.62	52.79	25.0%	Insufficient Data - Possibly Non Attainment
01391490	Saddle River At Rochelle Park	FW2-NT/SE3		4	12.09	6.29	0.0%	Full Attainment
01391500	Saddle River At Lodi	FW2-NT/SE3		22	15.15	6.18	0.0%	Full Attainment
01393350	WB Elizabeth River Near Union	FW2-NT		4	39.65	11.25	0.0%	Full Attainment
01393450	Elizabeth R At Ursino Lk At Elizabe	FW2-NT		14		1.60	0.0%	Full Attainment
01393960	WB Rahway R. At Northfield Ave. At West Orange	FW2-NT		4	1.14	0.49	0.0%	Full Attainment
01394500	Rahway River Near Springfield	FW2-NT		23	2.27	0.61	0.0%	Full Attainment
01395000	Rahway River At Rahway	FW2-NT		18	2.91	0.96	0.0%	Full Attainment
01395200	Robinson Branch At Scotch Plains	FW2-NT		4	1.99	0.86	0.0%	Full Attainment
01396003	Robinson Br At St Georges Av At Rahway	FW2-NT		4	1.13	0.44	0.0%	Full Attainment
01396219	Stony Brook At Fairview Avenue At Naughtright	FW2-TPC1		4	0.13	0.10	0.0%	Full Attainment
01396280	SB Raritan R At Middle Valley	FW2-TPC1	FW2-TM	13		0.86	0.0%	Full Attainment
01396535	SB Raritan R Arch St At High Bridge	FW2-TM		14		1.60	0.0%	Full Attainment
01396550	Spruce Run At Newport	FW2-TPC1		11	0.60	0.22	0.0%	Full Attainment
01396588	Spruce Run Nr Glen Gardner	FW2-TMC1	FW2-TPC1	15		0.64	0.0%	Full Attainment
01396660	Mulhockaway Creek At Van Syckel	FW2-TPC1		23	1.14	0.30	0.0%	Full Attainment
01397000	SB Raritan R At Stanton Station	FW2-TM		13		2.87	7.7%	Full Attainment
01397400	SB Raritan R At Three Bridges	FW2-NT		14		1.26	0.0%	Full Attainment

Table II-8. Data Summary of Unionized Ammonia in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment
01398000	Neshanic River At Reaville	FW2-NT	FW2-TM	78	14.57	1.45	0.0%	Full Attainment
01398070	SB Raritan River At Neshanic Station	FW2-NT	FW2-TM	4	1.79	0.72	0.0%	Full Attainment
01398102	SB Raritan River At South Branch	FW2-NT	FW2-TM	12	9.14	1.42	0.0%	Full Attainment
01398260	NB Raritan R Nr Chester	FW2-TPC1		14		0.80	0.0%	Full Attainment
01398300	Dawsons Brook Near Ironia	FW2-TPC1		4	0.28	0.16	0.0%	Full Attainment
01399100	Middle Brook At Burnt Mills	FW2-NT		4	1.07	0.56	0.0%	Full Attainment
01399120	NB Raritan R At Burnt Mills	FW2-NT		14		2.85	0.0%	Full Attainment
01399500	Lamington (Black)R Nr Pottersville	FW2-TPC1	FW2-TMC1, FW2-NTC1	15		0.67	0.0%	Full Attainment
01399700	Rockaway Ck At Whitehouse	FW2-NT	FW2-TM	14		2.75	0.0%	Full Attainment
01399780	Lamington River At Burnt Mills	FW2-NT	FW2-TPC1, FW2-TM	23	11.64	0.98	0.0%	Full Attainment
01399900	Chambers Brook At North Branch Depot	FW2-NT		4	0.30	0.15	0.0%	Full Attainment
01400000	North Branch Raritan River Near Raritan	FW2-NT		12	0.48	0.24	0.0%	Full Attainment
01400395	Peters Brook At Rt 28 At Somerville	FW2-NT		4	0.74	0.39	0.0%	Full Attainment
01400500	Raritan R At Manville	FW2-NT		13		1.90	0.0%	Full Attainment
01400540	Millstone R Nr Manalapan	FW2-NT		13		0.14	0.0%	Full Attainment
01400585	Rocky Brook At Perrineville	FW2-NT		8	1.48	0.32	0.0%	Full Attainment
01400640	Millstone River Near Grovers M	FW2-NT		7	0.65	0.33	0.0%	Full Attainment
01400650	Millstone River At Grovers Mill	FW2-NT		9	0.25	0.08	0.0%	Full Attainment
01400690	Cranbury Book Near Prospect Plains	FW2-NT		4	0.01	0.01	0.0%	Full Attainment
01401000	Stony Brook At Princeton	FW2-NT		38	10.72	1.28	0.0%	Full Attainment
01401200	Duck Pond Run at Clarksville	FW2-NT		4	1.61	0.42	0.0%	Full Attainment
01401400	Heathcote Brook At Kingston	FW2-NT		12	0.58	0.09	0.0%	Full Attainment
01401600	Bedens Brook Nr Rocky Hill	FW2-NT		15		0.59	0.0%	Full Attainment
01401700	Pike Run Near Rocky Hill	FW2-NT		4	0.25	0.15	0.0%	Full Attainment
01402000	Millstone River At Blackwells Mills	FW2-NT		21	2.24	0.48	0.0%	Full Attainment
01403300	Raritan R At Queens Bridge	FW2-NT		69		0.62	0.0%	Full Attainment
01403385	Bound Brook At Route 28 At Middlesex	FW2-NT		12	7.29	2.10	0.0%	Full Attainment
01403470	Green Brook At North Plainfield	FW2-TM	FW2-NT	3	5.32	2.18	0.0%	Full Attainment
01403900	Bound Bk At Middlesex	FW2-NT		52	4.18	0.81	0.0%	Full Attainment
01404470	Ireland Brook At Patricks Corners	FW2-NT		4	0.11	0.05	0.0%	Full Attainment
01405195	Matchaponix Brook At Englishtown	FW2-NT		4	0.19	0.14	0.0%	Full Attainment
01405285	Barclay Bk Near Englishtown	FW2-NT		4	0.00	0.00	0.0%	Full Attainment
01405302	Matchaponix Bk At Spotswood	FW2-NT		14		0.46	0.0%	Full Attainment
01405340	Manalapan Brook At Federal Rd Nr Manalapan	FW2-NT		21	0.45	0.08	0.0%	Full Attainment
01407090	Town Brook At Middletown	FW2-NT/SE1		4	1.21	0.36	0.0%	Full Attainment
01407360	Yellow Brook Near Malboro	FW2-NT		4	0.03	0.02	0.0%	Full Attainment

Table II-8. Data Summary of Unionized Ammonia in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment
01407630	Poplar Brook At Deal	FW2-NT/SE1		4	0.93	0.41	0.0%	Full Attainment
01407720	Jumping Brook At Green Grove	FW2-NT/SE1		4	0.11	0.04	0.0%	Full Attainment
01407868	Long Brook At Wyckoff Mills	FW2-NT		11	0.28	0.08	0.0%	Full Attainment
01407997	Marsh Bog Brook At Squankum	FW2-NT		4	0.01	0.01	0.0%	Full Attainment
01408000	Manasquan River At Squankum	FW2-TM		20	0.48	0.12	0.0%	Full Attainment
01408009	Mingamahone Brook Near Earle	FW2-TM		12	0.06	0.02	0.0%	Full Attainment
01408100	NB Metedeconk River At Lakewood	FW2-TM	FW2-NT	10	0.16	0.04	0.0%	Full Attainment
01408152	SB Metedeconk River Near Laurelton	FW2-NT		4	0.13	0.06	0.0%	Full Attainment
01408285	Maple Root Br At Bowman Rd Near Homansville	PL-TM		4	0.00	0.00	0.0%	Full Attainment
01408480	Shannoc Brook Trib At Colliers Mills	PL		4	0.22	0.06	0.0%	Full Attainment
01408500	Toms River Near Toms River	FW2-NT/SE1	FW2-TM, PL-TM	23	0.12	0.02	0.0%	Full Attainment
01408830	Cedar Brook At Cedar Crest	PL		11	0.00	0.00	0.0%	Full Attainment
01409050	North Branch Forked River Near Forked River	PL		7	0.00	0.00	0.0%	Full Attainment
01409375	Mullica R Nr Atco	PL		17	0.33	0.07	0.0%	Full Attainment
01409383	Mullica R At Indian Mills	PL		18	0.01	0.00	0.0%	Full Attainment
01409387	Mullica River At Outlet Of Atsion Lake At Atsion	PL		22	0.00	0.00	0.0%	Full Attainment
0140940050	Mullica R Nr Batsto	PL		18	0.01	0.00	0.0%	Full Attainment
01409401	Hays Mill Cr At Atco	PL		17	0.22	0.04	0.0%	Full Attainment
01409402	Hays Mill Cr Nr Chesilhurst	PL		17	0.05	0.01	0.0%	Full Attainment
0140940370	Sleeper Branch Nr Atsion	PL		18	0.03	0.01	0.0%	Full Attainment
0140940480	Clark Branch Nr Atsion	PL		16	0.00	0.00	0.0%	Full Attainment
01409408	Pump Branch Near Waterford Works	PL		11	0.09	0.02	0.0%	Full Attainment
0140940950	Blue Anchor Brook At Elm	PL		19	0.43	0.10	0.0%	Full Attainment
0140940970	Albertson Branch Nr Elm	PL		18	0.12	0.02	0.0%	Full Attainment
0140941070	Great Swamp Br Below Rt 206 Near Hammonton	PL		23	0.04	0.01	0.0%	Full Attainment
01409411	Nescochague Cr At Pleasant Mills	PL		18	0.04	0.01	0.0%	Full Attainment
01409416	Hammonton Creek At Westcoatville	PL		21	0.19	0.04	0.0%	Full Attainment
01409432	Batsto R At Hampton Furnace	PL		18	0.00	0.00	0.0%	Full Attainment
01409439	Skit Branch At Hampton Furnace	PL		19	0.00	0.00	0.0%	Full Attainment
01409449	Indian Mills Brook At Indian Mills	PL		4	0.07	0.04	0.0%	Full Attainment
01409455	Springers Bk Nr Hampton Furnace	PL		18	0.26	0.03	0.0%	Full Attainment
01409470	Batsto R At Quaker Bridge	PL		18	0.01	0.00	0.0%	Full Attainment
01409500	Batsto River At Batsto	PL		22	0.00	0.00	0.0%	Full Attainment
01409600	Landing Creek Near Egg Harbor City	PL		4	0.00	0.00	0.0%	Full Attainment

Table II-8. Data Summary of Unionized Ammonia in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment
01409690	W Branch Wading River At Chatsworth	PL		4	0.00	0.00	0.0%	Full Attainment
01409750	West Br Wading R Nr Jenkins	PL		18	0.00	0.00	0.0%	Full Attainment
01409780	Tulpehocken Cr Nr Jenkins	PL		18	0.01	0.00	0.0%	Full Attainment
01409815	West Branch Wading River At Maxwell	PL		12	0.00	0.00	0.0%	Full Attainment
01409960	Papoose Branch Near Sim Place	PL		4	0.00	0.00	0.0%	Full Attainment
01410000	Oswego R At Harrisville	PL		4		0.00	0.0%	Full Attainment
01410150	East Branch Bass River Near New Gretna	PL		21	0.00	0.00	0.0%	Full Attainment
01410455	South Branch Absecon Creek Near Pomona	PL		4	0.00	0.00	0.0%	Full Attainment
01410784	Great Egg Harbor R Nr Sicklerville	PL	FW2-NT(PL)	52		0.01	0.0%	Full Attainment
01411000	Great Egg Harbor R At Folsom	PL		14		0.05	0.0%	Full Attainment
01411035	Hospitality Branch At Blue Bell Road Near Cecil	PL		12	0.03	0.01	0.0%	Full Attainment
01411050	Hospitality Branch Near Cecil	PL		4	0.07	0.03	0.0%	Full Attainment
01411110	Great Egg Harbor River At Weymouth	PL		21	0.03	0.01	0.0%	Full Attainment
01411196	Babcock Creek Near Mays Landing	PL		10	0.00	0.00	0.0%	Full Attainment
01411220	South River Near Belcoville	PL		4	0.01	0.00	0.0%	Full Attainment
01411241	Gibson Creek At Rt 50 Near Corbin City	FW2-NT/SE1		4	0.00	0.00	0.0%	Full Attainment
01411400	Fishing Creek At Rio Grande	FW2-NT/SE1		10	1.52	0.31	0.0%	Full Attainment
01411428	Dennis Creek Trib 2 At Dennisville	PL		4	0.31	0.13	0.0%	Full Attainment
01411440	Old Robins Branch Near North Dennis	FW2-NTC1/SE1		3	0.00	0.00	0.0%	Full Attainment
01411441	Savages Run In Belleplain State Forest	PL		4	0.00	0.00	0.0%	Full Attainment
01411444	West Creek At Leesburg	PL		8	0.00	0.00	0.0%	Full Attainment
01411453	Still Run Near Malaga	FW2-NT		4	0.02	0.01	0.0%	Full Attainment
01411458	Little Ease Run At Porchtown	FW2-NT	FW1	4	0.03	0.01	0.0%	Full Attainment
01411466	Indian Branch Near Malaga	FW2-NT		12	0.00	0.00	0.0%	Full Attainment
01411500	Maurice River At Norma	FW2-NT/SE1		18	0.25	0.04	0.0%	Full Attainment
01411780	Muddy Run Near Norma	FW2-NT		4	0.28	0.14	0.0%	Full Attainment
01411800	Maurice River Near Millville	FW2-NT/SE1		4	0.37	0.14	0.0%	Full Attainment
01411950	Buckshutem Creek Near Laurel Lake	FW2-NTC1		4	0.00	0.00	0.0%	Full Attainment
01411955	Gravelly Run At Laurel Lake	FW1		12	0.00	0.00	0.0%	Full Attainment
01412200	Pages Run At Newport	FW2-NTC1/SE1		4	0.04	0.02	0.0%	Full Attainment
01412800	Cohansey River At Seeley	FW2-NT/SE1		21	1.62	0.18	0.0%	Full Attainment
01413065	Canton Drain At Maskell Mill	FW2-NT/SE1		4	0.01	0.00	0.0%	Full Attainment
01439830	Big Flat Brook At Tuttle's Corner	FW2-TPC1	FW1-TP/NT, FW2-NTC1	4	0.26	0.11	0.0%	Full Attainment
01440000	Flat Brook Near Flatbrookville	FW2-TM	FW1-TP/NT, FW2-TP	17	0.79	0.27	0.0%	Full Attainment

Table II-8. Data Summary of Unionized Ammonia in Non-Tidal Rivers

Site ID	Station Name	SWQS Stream Category	Secondary Categories	Number of Samples	Maximum Value	Average	Exceedance %	Assessment
01442760	Dunnfield Creek At Dunnfield	FW1-TP		12	0.04	0.02	0.0%	Full Attainment
01443370	Dry Bk at Rt 519 Near Branchville	FW2-NT		4	0.39	0.14	0.0%	Full Attainment
01443440	Paulins Kill At Balesville	FW2-NT	FW2-TM	14		1.58	0.0%	Full Attainment
01443500	Paulins Kill At Blirstown	FW2-TM	FW2-TPC, FW2-NT	22	20.93	1.72	4.5%	Full Attainment
01443550	Jacksonburg Creek Near Millbrook	FW2-TM	FW2-NT	4	0.05	0.02	0.0%	Full Attainment
01443600	Jacksonburg Creek Near Blirstown	FW2-TM		4	0.63	0.30	0.0%	Full Attainment
01444970	Pequest River At Rt206 Below Springdale	FW2-TM	FW2-NT	4	0.52	0.24	0.0%	Full Attainment
01445000	Pequest River at Huntsville	FW2-TM	FW2-NT	4	1.15	0.47	0.0%	Full Attainment
01445500	Pequest R At Pequest	FW2-TM	FW2-NT	14		3.10	0.0%	Full Attainment
01446400	Pequest River At Belvidere	FW2-TM	FW2-NT	12	3.73	1.27	0.0%	Full Attainment
01455200	Pohatcong Ck At New Village	FW2-TM	FW2-TPC1	13		3.67	0.0%	Full Attainment
01456200	Musconetcong R At Beattystown	FW2-TM		13		0.98	0.0%	Full Attainment
01457000	Musconetcong R Nr Bloomsbury	FW2-TM		14		1.76	0.0%	Full Attainment
01457400	Musconetcong River At Riegelsville	FW2-TM		22	17.08	1.73	0.0%	Full Attainment
01458570	Nishisakawick Creek Near Frenchtown	FW2-NT		11	0.53	0.25	0.0%	Full Attainment
01458710	Copper Ck Near Frenchtown	FW2-NT		4	0.72	0.27	0.0%	Full Attainment
01461220	Wickecheoke Creek At Croton	FW2-NT		3	0.11	0.05	0.0%	Insufficient Data
01461262	Plum Brook Near Locktown	FW2-TM		3	0.03	0.02	0.0%	Insufficient Data
01462739	Jacobs Crek At Bear Tavern	FW2-NT		4	0.84	0.32	0.0%	Full Attainment
01463620	Assunpink Ck Nr Clarksville	FW2-NT		14		0.49	0.0%	Full Attainment
01463850	Miry Run At Route 533 At Mercerville	FW2-NT		12	0.48	0.10	0.0%	Full Attainment
01464000	Assunpink Cr At Trenton	FW2-NT		9		0.68	0.0%	Full Attainment
01464020	Assunpink Creek At Peace Street At Trenton	FW2-NT		12	4.54	1.07	0.0%	Full Attainment
01464420	Crosswicks Creek Near New Egypt	FW2-NT		4	0.49	0.23	0.0%	Full Attainment
01464440	Lahaway Creek At Rt 537 At Mercerville	FW2-NT		3	0.04	0.03	0.0%	Insufficient Data
01464500	Crosswicks Ck At Extonville	FW2-NT		13		0.28	0.0%	Full Attainment
01464504	Crosswicks Cr. At Groveville Rd. At Groveville	FW2-NT		10	1.62	0.39	0.0%	Full Attainment
01464515	Doctors Creek At Allentown	FW2-NT		21	12.72	2.66	0.0%	Full Attainment
01464529	Bacons Creek Near Mansfield Square	FW2-NT		8	0.10	0.05	0.0%	Full Attainment
01464578	Annaricken Brook Near Jobstown	FW2-NT		4	0.16	0.06	0.0%	Full Attainment
01464583	NB Barkers Brook Near Jobstown	FW2-NT		12	1.62	0.40	0.0%	Full Attainment
01465850	SB Rancocas Ck At Vincentown	FW2-NT		14		0.05	0.0%	Full Attainment
01465884	Sharps Run At Rt 541 At Medford	FW2-NT		4	0.96	0.30	0.0%	Full Attainment
01465893	Little Creek At Chairville	PL	FW2-NT	11	0.02	0.00	0.0%	Full Attainment
01465950	NB Rancocas Ck At Hanover Furnace	PL		8	0.00	0.00	0.0%	Full Attainment

Table II-8. Data Summary of Unionized Ammonia in Non-Tidal Rivers

[illegible]

Table II-9. Data Summary of Fecal Coliform in Non-Tidal Rivers

Site ID	Station Name	Number of Samples	Geometric Mean	Maximum	Exceedance %	Assessment
01367625	Wallkill River At Sparta	15	876.4	16000	66.7%	Non Attainment
01367715	Wallkill River At Scott Road At Franklin	4	528.4	1300	50.0%	Non Attainment
01367770	Wallkill River Near Sussex	24	427.6	1400	50.0%	Non Attainment
01367780	Papakating Creek Near Wykertown	5	258.6	1300	40.0%	Non Attainment
01367800	Papakating Creek At Pelletown	9	986.1	3500	100.0%	Non Attainment
01367850	WB Papakating Ck At McCoys Corner	5	5053.8	24000	100.0%	Non Attainment
01367860	Papakating Creek Near Sussex	5	2176.9	16000	100.0%	Non Attainment
01367910	Papakating Ck At Sussex	14	1030.2		64.3%	Non Attainment
01368000	Wallkill R Nr Unionville	14	436.5		50.0%	Non Attainment
01368820	Double Kill At Waywayanda	14	65.2	2200	14.3%	Non Attainment
01368950	Black Creek Nr Vernon	14	482.0		50.0%	Non Attainment
						Insufficient Data Possibly Full
01376970	Hackensack River At Old Tappan	5	274.7	9500	20.0%	Attainment
01377000	Hackensack River At Rivervale	24	221.1	9400	33.3%	Non Attainment
01377499	Musquapsink Brook At River Vale	10	270.1	24000	60.0%	Non Attainment
01377500	Pascack Brook At Westwood	10	1860.4	16640	90.0%	Non Attainment
01378387	Tenakill Brook At Cedar Lane At Closter	5	158.6	9400	40.0%	Non Attainment
01378560	Coles Brook At Hackensack	15	1093.3	31200	73.3%	Non Attainment
						Insufficient Data Possibly Full
01378780	Primrose Brook At Morristown National Park	15	103.1	2100	6.7%	Full Attainment
01378855	Black Brook At Madison	11	3028.1	24000	81.8%	Non Attainment
01379000	Passaic R Nr Millington	14	155.0		28.6%	Non Attainment
01379200	Dead River Near Millington	18	1386.6	24000	83.3%	Non Attainment
01379500	Passaic R Nr Catham	13	618.4		53.8%	Non Attainment
01379530	Canoe Brook near Summit	4	314.7	1300	50.0%	Non Attainment
						Insufficient Data Possibly Full
01379680	Rockaway River At Longwood Valley	7	160.1	460	14.3%	Attainment
01379700	Rockaway River At Berkshire Valley	4	246.7	5400	50.0%	Non Attainment
						Insufficient Data Possibly Full
01379800	Green Pond Brook At Dover	4	94.8	490	25.0%	Attainment
01379853	Rockaway River At Blackwell St	4	483.7	9200	50.0%	Non Attainment
01380100	Beaver Brook At Rockaway	17	361.7	14000	35.3%	Non Attainment
01380320	Stony Brook At Boonton	5	214.2	490	20.0%	Non Attainment
01380500	Rockaway R At Boonton	13	121.6		7.7%	Full Attainment
01381050	Crooked Brook Near Towaco	5	44.1	130	0.0%	Full Attainment
01381200	Rockaway R At Pine Brook	14	269.5		28.6%	Non Attainment

Table II-9. Data Summary of Fecal Coliform in Non-Tidal Rivers

Site ID	Station Name	Number of Samples	Geometric Mean	Maximum	Exceedance %	Assessment
01381500	Whippany R At Morristown	13	1138.3		76.9%	Non Attainment
01381800	Whippany River Near Pine Brook	21	1126.1	17000	80.9%	Non Attainment
01382000	Passaic River At Two Bridges	25	279.0	5400	28.0%	Non Attainment
01382410	Macopin River At Echo Lake	8	12.0	70	0.0%	Full Attainment
01382450	Macopin River At Macopin Reservoir	13	102.3	24000	23.1%	Non Attainment
01382500	Pequannock River At Macopin Intake Dam	29	56.0	9200	6.9%	Full Attainment
						Insufficient Data
01382800	Pequannock River At Riverdale	4	156.5	1400	25.0%	Possibly Full Attainment
01383505	Wanaque River Near Awosting	4	22.1	60	0.0%	Full Attainment
	Wanaque River At Highland Avenue At Wanaque	5	82.8	230	0.0%	Full Attainment
01387010	Wanaque River At Pompton Lakes	4	308.1	1300	75.0%	Non Attainment
01387500	Ramapo River Near Mahwah	24	211.3	5400	50.0%	Non Attainment
						Insufficient Data
01388100	Ramapo River At Dawes Highway	4	89.3	490	25.0%	Possibly Full Attainment
01388500	Pompton River At Pompton Plains	8	126.8	330	0.0%	Full Attainment
01389080	Preakness Brook Near Little Fa	4	1101.9	5400	75.0%	Non Attainment
01389138	Deepavaal Brook At Fairfield	4	849.0	1300	100.0%	Non Attainment
01389500	Passaic River At Little Falls	11	270.6	2400	27.3%	Non Attainment
01389600	Peckman River At West Patterson	4	4697.3	9200	100.0%	Non Attainment
01389850	Goffle Brook At Hawthorne	4	1083.7	1700	100.0%	Non Attainment
01389860	Diamond Bk At Fair Lawn	5	1979.9	24000	100.0%	Non Attainment
01389880	Passaic R At Elmwood Pk	14	1034.5		64.3%	Non Attainment
01390445	WB Saddle R At Upper Saddle River	4	326.9	9200	25.0%	Non Attainment
01390470	Saddle River At Saddle River	5	395.5	9400	40.0%	Non Attainment
	Saddle River At Ridgewood Avenue At Ridgewood	5	1126.1	14000	60.0%	Non Attainment
01390510	Saddle River At Grove Street A	4	817.3	2400	75.0%	Non Attainment
01390900	Ramsey Brook At Allendale	5	1005.2	5200	100.0%	Non Attainment
01391100	Hohokus Brook At Mouth At Paramus	4	2163.2	24000	75.0%	Non Attainment
01391490	Saddle River At Rochelle Park	5	2022.1	19760	60.0%	Non Attainment
01391500	Saddle River At Lodi	25	881.1	24000	84.0%	Non Attainment
01393350	WB Elizabeth River Near Union	5	912.7	24000	60.0%	Non Attainment
01393450	Elizabeth R At Ursino Lk At Elizabe	14	2508.8		85.7%	Non Attainment
	WB Rahway R. At Northfield Ave. At West Orange	5	767.1	5400	40.0%	Non Attainment
01394500	Rahway River Near Springfield	25	1988.4	24000	88.0%	Non Attainment

Table II-9. Data Summary of Fecal Coliform in Non-Tidal Rivers

Site ID	Station Name	Number of Samples	Geometric Mean	Maximum	Exceedance %	Assessment
01395000	Rahway River At Rahway	23	894.0	24000	73.9%	Non Attainment
01395200	Robinson Branch At Scotch Plains	5	377.7	5400	40.0%	Non Attainment
01396003	Robinson Br At St Georges Av At Rahway	5	1036.9	16000	80.0%	Non Attainment
01396219	Stony Brook At Fairview Avenue At Naughright	5	340.5	3100	40.0%	Non Attainment
01396280	SB Raritan R At Middle Valley	14	257.4		42.9%	Non Attainment
01396535	SB Raritan R Arch St At High Bridge	14	261.6		42.9%	Non Attainment
01396550	Spruce Run At Newport	15	78.6	2400	13.3%	Non Attainment
01396588	Spruce Run Nr Glen Gardner	14	199.2		42.9%	Non Attainment
01396660	Mulhockaway Creek At Van Syckel	26	821.0	5400	57.7%	Non Attainment
01397000	SB Raritan R At Stanton Station	13	134.4		23.1%	Non Attainment
01397400	SB Raritan R At Three Bridges	14	260.0		28.6%	Non Attainment
01398000	Neshanic River At Reaville	34	441.4	24000	58.8%	Non Attainment
01398070	SB Raritan River At Neshanic Station	5	101.5	2200	20.0%	Insufficient Data Possibly Full Attainment
01398102	SB Raritan River At South Branch	17	285.2	1700	41.2%	Non Attainment
01398260	NB Raritan R Nr Chester	14	106.9		14.3%	Non Attainment
01398300	Dawsons Brook Near Ironia	5	135.0	490	20.0%	Insufficient Data Possibly Full Attainment
01399100	Middle Brook At Burnt Mills	5	170.2	490	20.0%	Insufficient Data Possibly Full Attainment
01399120	NB Raritan R At Burnt Mills	14	179.5		42.9%	Non Attainment
01399500	Lamington (Black)R Nr Pottersville	14	89.1	230	21.4%	Non Attainment
01399700	Rockaway Ck At Whitehouse	14	229.5		50.0%	Non Attainment
01399780	Lamington River At Burnt Mills	27	568.4	2400	59.3%	Non Attainment
01399900	Chambers Brook At North Branch Depot	4	902.7	3500	100.0%	Non Attainment
01400000	North Branch Raritan River Near Raritan	17	344.9	16000	41.2%	Non Attainment
01400395	Peters Brook At Rt 28 At Somerville	5	1951.6	5400	100.0%	Non Attainment
01400500	Raritan R At Manville	14	216.3		28.6%	Non Attainment
01400540	Millstone R Nr Manalapan	14	122.3		35.7%	Non Attainment
01400585	Rocky Brook At Perrineville	10	71.8	330	0.0%	Full Attainment
01400650	Millstone River At Grovers Mill	21	612.7	9200	47.6%	Non Attainment
01400690	Cranbury Book Near Prospect Plains	5	269.0	800	40.0%	Non Attainment
01401000	Stony Brook At Princeton	10	300.5	24000	40.0%	Non Attainment
01401200	Duck Pond Run at Clarksville	5	2018.8	24000	80.0%	Non Attainment
01401400	Heathcote Brook At Kingston	14	925.3	24000	85.7%	Non Attainment

Table II-9. Data Summary of Fecal Coliform in Non-Tidal Rivers

Site ID	Station Name	Number of Samples	Geometric Mean	Maximum	Exceedance %	Assessment
01401600	Bedens Brook Nr Rocky Hill	14	622.7		57.1%	Non Attainment
01401700	Pike Run Near Rocky Hill	7	679.7	1700	71.4%	Non Attainment
01402000	Millstone River At Blackwells Mills	27	296.9	5400	44.4%	Non Attainment
01403300	Raritan R At Queens Bridge	33	200.5	2400	30.3%	Non Attainment
01403385	Bound Brook At Route 28 At Middlesex	15	1501.6	72000	73.3%	Non Attainment
01403470	Green Brook At North Plainfield	5	1135.8	24000	80.0%	Non Attainment
01403900	Bound Bk At Middlesex					Non Attainment
						Insufficient Data
						Possibly Full
01404470	Ireland Brook At Patricks Corners	5	185.2	6800	20.0%	Attainment
01405195	Matchaponix Brook At Englishtown	5	759.9	16000	40.0%	Non Attainment
						Insufficient Data
						Possibly Full
01405285	Barclay Bk Near Englishtown	5	69.3	16000	20.0%	Attainment
01405302	Matchaponix Bk At Spotswood	14	45.1		7.1%	Full Attainment
01405340	Manalapan Brook At Federal Rd Nr Manalapan	25	539.1	24000	40.0%	Non Attainment
01407090	Town Brook At Middletown	5	660.2	16000	60.0%	Non Attainment
01407360	Yellow Brook Near Malboro	5	527.8	1300	60.0%	Non Attainment
01407630	Poplar Brook At Deal	5	2171.3	24000	80.0%	Non Attainment
01407720	Jumping Brook At Green Grove	5	183.8	330	0.0%	Full Attainment
01407868	Long Brook At Wyckoff Mills	15	1929.5	24000	85.7%	Non Attainment
01407997	Marsh Bog Brook At Squankum	5	1144.7	9000	80.0%	Non Attainment
01408000	Manasquan River At Squankum	24	838.8	24000	58.3%	Non Attainment
01408009	Mingamahone Brook Near Earle	16	210.2	2400	12.5%	Non Attainment
01408100	NB Metedeconk River At Lakewood	14	1065.7	24000	57.1%	Non Attainment
01408152	SB Metedeconk River Near Laurelton	5	155.6	1800	40.0%	Non Attainment
01408285	Maple Root Br At Bowman Rd Near Homansville	3	267.6	490	33.3%	Insufficient Data
01408480	Shannoc Brook Trib At Colliers Mills	5	38.4	330	0.0%	Full Attainment
01408500	Toms River Near Toms River	23	100.2	930	13.0%	Non Attainment
01408830	Cedar Brook At Cedar Crest	13	14.8	90	0.0%	Full Attainment
01409050	North Branch Forked River Near Forked River	6	33.0	230	0.0%	Full Attainment
01409387	Mullica River At Outlet Of Atsion Lake At Atsion	20	18.4	80	0.0%	Full Attainment
01409408	Pump Branch Near Waterford Works	5	13.2	20	0.0%	Full Attainment
0140940950	Blue Anchor Brook At Elm	15	14.0	80	0.0%	Full Attainment

Table II-9. Data Summary of Fecal Coliform in Non-Tidal Rivers

Site ID	Station Name	Number of Samples	Geometric Mean	Maximum	Exceedance %	Assessment
0140941070	Great Swamp Br Below Rt 206 Near Hammonton	5	38.3	70	0.0%	Full Attainment
01409416	Hammonton Creek At Westcoatville	19	210.1	5400	15.8%	Non Attainment
						Insufficient Data Possibly Full
01409449	Indian Mills Brook At Indian Mills	5	57.1	700	20.0%	Attainment
01409500	Batsto River At Batsto	20	17.9	130	0.0%	Full Attainment
01409815	West Branch Wading River At Maxwell	10	35.5	140	0.0%	Full Attainment
01409960	Papoose Branch Near Sim Place	5	22.2	80	0.0%	Full Attainment
01410000	Oswego R At Harrisville	4	10.0		0.0%	Full Attainment
01410150	East Branch Bass River Near New Gretna	19	22.5	70	0.0%	Full Attainment
01410455	South Branch Absecon Creek Near Pomona	5	26.0	90	0.0%	Full Attainment
01410784	Great Egg Harbor R Nr Sicklerville	13	18.9		7.7%	Full Attainment
01411000	Great Egg Harbor R At Folsom	14	15.1		0.0%	Full Attainment
01411035	Hospitality Branch At Blue Bell Road Near Cecil	15	305.3	5400	33.3%	Non Attainment
01411050	Hospitality Branch Near Cecil	5	57.9	120	0.0%	Full Attainment
01411110	Great Egg Harbor River At Weymouth	19	203.6	2400	15.8%	Non Attainment
01411196	Babcock Creek Near Mays Landing	10	104.1	183	0.0%	Full Attainment
01411220	South River Near Belcoville	5	114.6	172	0.0%	Full Attainment
01411241	Gibson Creek At Rt 50 Near Corbin City	5	27.0	70	0.0%	Full Attainment
						Insufficient Data Possibly Full
01411400	Fishing Creek At Rio Grande	9	38.4	490	11.1%	Attainment
01411440	Old Robins Branch Near North Dennis	3	20.0	40	0.0%	Insufficient Data
01411441	Savages Run In Belleplain State Forest	5	566.5	30000	20.0%	Non Attainment
						Insufficient Data Possibly Full
01411444	West Creek At Leesburg	9	81.8	460	11.1%	Attainment
01411453	Still Run Near Malaga	5	67.2	230	0.0%	Full Attainment
01411458	Little Ease Run At Porchtown	4	295.3	1300	50.0%	Non Attainment
01411466	Indian Branch Near Malaga	15	71.6	24000	13.3%	Non Attainment
01411500	Maurice River At Norma	14	143.2	810	14.3%	Non Attainment
						Insufficient Data Possibly Full
01411780	Muddy Run Near Norma	7	178.4	541	14.3%	Attainment
01411800	Maurice River Near Millville	5	110.2	830	40.0%	Non Attainment

Table II-9. Data Summary of Fecal Coliform in Non-Tidal Rivers

Site ID	Station Name	Number of Samples	Geometric Mean	Maximum	Exceedance %	Assessment
01411950	Buckshutem Creek Near Laurel Lake	4	196.4	1300	50.0%	Non Attainment
01411955	Gravelly Run At Laurel Lake	14	40.0	220	0.0%	Full Attainment
01412200	Pages Run At Newport	4	48.4	110	0.0%	Full Attainment
01412800	Cohansey River At Seeley	23	123.4	24000	13.0%	Non Attainment
01413065	Canton Drain At Maskell Mill	5	10.0	10	0.0%	Full Attainment
01439830	Big Flat Brook At Tuttlles Corner	5	20.9	50	0.0%	Full Attainment
01440000	Flat Brook Near Flatbrookville	23	68.9	1100	8.7%	Non Attainment
01442760	Dunnfield Creek At Dunnfield	15	9.9	90	0.0%	Full Attainment
01443370	Dry Bk at Rt 519 Near Branchville	5	652.2	2800	60.0%	Non Attainment
01443440	Paulins Kill At Balesville	14	279.4		35.7%	Non Attainment
01443500	Paulins Kill At Blairstown	25	163.1	1100	24.0%	Non Attainment
						Insufficient Data Possibly Full
01443550	Jacksonburg Creek Near Millbrook	5	100.0	1300	20.0%	Attainment
01443600	Jacksonburg Creek Near Blairstown	5	575.0	1400	80.0%	Non Attainment
01444970	Pequest River At Rt206 Below Springdale	5	555.0	5400	40.0%	Non Attainment
01445000	Pequest River at Huntsville	4	186.9	330	0.0%	Full Attainment
01445500	Pequest R At Pequest	14	335.3		28.6%	Non Attainment
01446400	Pequest River At Belvidere	15	737.3	2400	73.3%	Non Attainment
01455200	Pohatcong Ck At New Village	14	700.8		71.4%	Non Attainment
01456200	Musconetcong R At Beattystown	14	124.9		14.3%	Non Attainment
01457000	Musconetcong R Nr Bloomsbury	14	296.7		42.9%	Non Attainment
01457400	Musconetcong River At Riegelsville	25	685.9	16000	64.0%	Non Attainment
01458570	Nishisakawick Creek Near Frenchtown	15	168.2	1300	26.7%	Non Attainment
01458710	Copper Ck Near Frenchtown	5	502.0	9200	40.0%	Non Attainment
01461220	Wickecheoke Creek At Croton	4	389.0	2400	25.0%	Non Attainment
01461262	Plum Brook Near Locktown	5	576.6	24000	40.0%	Non Attainment
01462739	Jacobs Creek At Bear Tavern	5	1049.1	5400	100.0%	Non Attainment
01463620	Assunpink Ck Nr Clarksville	14	57.0		7.1%	Full Attainment
01463850	Miry Run At Route 533 At Mercerville	15	1118.7	24000	86.7%	Non Attainment
01464000	Assunpink Cr At Trenton	9	2002.4		88.9%	Non Attainment
01464020	Assunpink Creek At Peace Street At Trenton	15	1975.9	24000	93.3%	Non Attainment
01464420	Crosswicks Creek Near New Egypt	10	132.1	2200	10.0%	Full Attainment
01464440	Lahaway Creek At Rt 537 At Mercerville	5	17.4	80	0.0%	Full Attainment
01464500	Crosswicks Ck At Extonville	13	245.2		30.8%	Non Attainment
	Crosswicks Cr. At Groveville Rd. At Groveville	15	552.1	3500	66.7%	Non Attainment
01464515	Doctors Creek At Allentown	23	341.2	16000	52.2%	Non Attainment

Table II-9. Data Summary of Fecal Coliform in Non-Tidal Rivers

[illegible]

Table II-9. Data Summary of Fecal Coliform in Non-Tidal Rivers

[illegible]

Table II-10. Data Summary of Total Phosphorus from Monmouth County Health Department

Site Number	Site Name	Number of Samples	Exceedance %	Assessment	Comments
1	Deal Lake At Ocean Ave In Asbury	12	25.0%	NA	Tidal (SC stream type)
2	Crosswicks Creek At Walnford Rd In Upper Freehold	12	41.7%	Non Attainment	
3	Doctors Creek At Route 539 In Upper Freehold	12	25.0%	Non Attainment	
4	Assunpink Creek At Route 539 In Upper Freehold	12	16.7%	Non Attainment	
5	Millstone River At Route 33 In Millstone	12	41.7%	Non Attainment	
6	North Branch Metedeconk At Jackson Mills Rd In Freehold	12	41.7%	Non Attainment	
7	Toms River At Route 537 In Millstone	12	25.0%	Non Attainment	
8	Matawan Creek At Amboy Ave In Aberdeen	12	50.0%	NA	Tidal (SC stream type)
9	Weemaconk Creek At Main St In Manalapan	12	25.0%	Non Attainment	
10	Hollow Brook At Route 35 In Neptune Twnshp	12	8.3%	Full Attainment	
11	Musquash Brook At Brighton Ave In Neptune Twnshp	12	16.7%	NA	Tidal (SC stream type)
12	Marina At Clinton Pl In Neptune Twnshp	12	25.0%	NA	Tidal (SC stream type)
13	Bry'S Marina At South Concourse In Neptune Twnshp	12	8.3%	NA	Tidal (SC stream type)
14	Wreck Pond Brook At Allenwood Rd In Wall	12	8.3%	Full Attainment	
15	Yellow Brook At Elton-Adelphia Rd In Howell	12	8.3%	Full Attainment	
16	Squankum Brook At Easy St In Howell	12	0.0%	Full Attainment	
17	Muddy Ford Brook At Lakewood-Allenwood Rd In Howell	12	8.3%	Full Attainment	
18	Haystack Brook At Maxim-Southard Rd In Howell	12	0.0%	Full Attainment	
19	Titmouse Creek At Friendship Rd In Howell	12	0.0%	Full Attainment	
20	Gravelly Brook At Lloyd Rd In Marlboro	12	25.0%	Non Attainment	
21	Big Brook At Maywood Drive In Marlboro	12	50.0%	Non Attainment	
22	Mcgolliard Brook At Main St In Englishtown	12	25.0%	Non Attainment	
23	Mingomohone Brook At Belmar Blvd In Farmingdale	12	0.0%	Full Attainment	
24	Marsh Bog Brook At Preventorium Rd In Howell	12	0.0%	Full Attainment	
25	Long Brook At Howell Rd In Howell	12	33.3%	Non Attainment	
30	Shark River Brook At Shark River Station Rd In Tinton Falls	12	58.3%	Non Attainment	
31	Whale Pond Brook At Route 35 In Eatontown	12	8.3%	Non Attainment	
32	Lafetra'S Brook At Hope Rd In Tinton Falls	12	41.7%	Non Attainment	
33	Husky Brook At South St In Eatontown	12	8.3%	Full Attainment	
34	Pine Brook At Hockhockson Rd In Tinton Falls	12	0.0%	Full Attainment	
35	Waackcaack Creek At Highland Ave In Keansburg	12	75.0%	NA	Tidal (SC stream type)
36	Chingorora Creek At Broadway In Union Beach	12	66.7%	NA	Tidal (SC stream type)
37	Navesink River At Marine Park In Red Bank	12	50.0%	NA	Tidal (SC stream type)
38	Navesink River At Lafayette St In Rumson	12	75.0%	NA	Tidal (SC stream type)
39	Shrewsbury River At Route 520 (Bridge) In Sea Bright	12	41.7%	NA	Tidal (SC stream type)
40	Parker Creek At Alwin Terrace In Little Silver	13	92.3%	NA	Tidal (SC stream type)
41	Navesink River At Chapin Ave In Red Bank	12	58.3%	NA	Tidal (SC stream type)
42	Navesink River At Fair Haven Rd In Fair Haven	12	83.3%	NA	Tidal (SC stream type)
43	Navesink River At Bingham Ave In Rumson	12	66.7%	NA	Tidal (SC stream type)
44	Shrewsbury River At Avenue Of Two Rivers In Rumson	12	75.0%	NA	Tidal (SC stream type)

Table II-10. Data Summary of Total Phosphorus from Monmouth County Health Department

Site Number	Site Name	Number of Samples	Exceedance %	Assessment	Comments
45	Branchport Creek At Berdan Pl In Long Branch	12	75.0%	NA	Tidal (SC stream type)
46	Lane'S Creek At Edwards Ave In Long Branch	12	33.3%	NA	Tidal (SC stream type)
47	Troutman'S Creek At Atlantic Ave In Long Branch	12	50.0%	NA	Tidal (SC stream type)
48	Mannahasset Creek At Mannahasset Ave In Long Branch	12	66.7%	NA	Tidal (SC stream type)
50	Lake Takanassee At Ocean Ave In Elberon	12	8.3%	NA	Tidal (SC stream type)
51	Lupattatong Creek At 1St St - Peterson'S Marina In Keyport	12	75.0%	NA	Tidal (SC stream type)
52	Willow Brook At Willow Brook Rd In Holmdel	12	25.0%	Non Attainment	
53	Ramanessin Brook At Willow Rd In Holmdel	12	33.3%	Non Attainment	
54	Bordons Brook At Route 520 In Holmdel	12	50.0%	Non Attainment	
55	Trout Brook At Richdale Rd In Colts Neck	12	0.0%	Full Attainment	
56	Barren Neck Brook At Long Bridge Rd In Colts Neck	12	16.7%	Non Attainment	
57	Big Brook At Laurelwood Dr In Colts Neck	12	33.3%	Non Attainment	
58	Mine Brook At Mercer Rd In Colts Neck	12	0.0%	Full Attainment	
59	Poplar Brook At Ocean Ave In Deal	12	83.3%	Non Attainment	
60	Shark River At Myron And Wilson Ave In Neptune City	12	41.7%	NA	Tidal (SC stream type)
61	Lake Topanemus At Pond Rd In Freehold	10	20.0%	Non Attainment	
62	Troutman'S Creek At Joline Ave In Long Branch	12	66.7%	NA	Tidal (SC stream type)
65	Lake Matawan At Main St In Matawan	12	0.0%	NA	Tidal (SC stream type)
66	Lake Lefferts At Rt 34 - Buttonwood Manor In Matawan	12	0.0%	Full Attainment	
67	Echo Lake At Maxim-Southard Rd In Howell	12	0.0%	Full Attainment	
68	Wemrock Brook At Rt #9 (Before Pipes) In Freehold	12	75.0%	Non Attainment	
69	Wemrock Brook At Rt #9 (After 1St Pipe) In Freehold	12	66.7%	Non Attainment	

Table II-11. Data Summary of pH from Monmouth County Health Department

Site Number	Site Name	Number of Samples	Exceedance %	Assessment
1	Deal Lake At Ocean Ave In Asbury	3	33.3%	Insufficient Data
2	Crosswicks Creek At Walnford Rd In Upper Freehold	3	33.3%	Insufficient Data
3	Doctors Creek At Route 539 In Upper Freehold	3	33.3%	Insufficient Data
4	Assunpink Creek At Route 539 In Upper Freehold	3	33.3%	Insufficient Data
5	Millstone River At Route 33 In Millstone	3	66.7%	Insufficient Data
6	North Branch Metedeconk At Jackson Mills Rd In Freehold	3	0.0%	Insufficient Data
7	Toms River At Route 537 In Millstone	3	66.7%	Insufficient Data
8	Matawan Creek At Amboy Ave In Aberdeen	3	0.0%	Insufficient Data
9	Weemaconk Creek At Main St In Manalapan	3	0.0%	Insufficient Data
10	Hollow Brook At Route 35 In Neptune Twnshp	3	0.0%	Insufficient Data
11	Musquash Brook At Brighton Ave In Neptune Twnshp	3	100.0%	Insufficient Data
12	Marina At Clinton Pl In Neptune Twnshp	3	0.0%	Insufficient Data
13	Bry'S Marina At South Concourse In Neptune Twnshp	3	33.3%	Insufficient Data
14	Wreck Pond Brook At Allenwood Rd In Wall	3	33.3%	Insufficient Data
15	Yellow Brook At Elton-Adelphia Rd In Howell	3	0.0%	Insufficient Data
16	Squankum Brook At Easy St In Howell	3	0.0%	Insufficient Data
17	Muddy Ford Brook At Lakewood-Allenwood Rd In Howell	3	100.0%	Insufficient Data
18	Haystack Brook At Maxim-Southard Rd In Howell	3	33.3%	Insufficient Data
19	Titmouse Creek At Friendship Rd In Howell	3	33.3%	Insufficient Data
20	Gravelly Brook At Lloyd Rd In Marlboro	3	100.0%	Insufficient Data
21	Big Brook At Maywood Drive In Marlboro	3	0.0%	Insufficient Data
22	Mcgolliard Brook At Main St In Englishtown	3	0.0%	Insufficient Data
23	Mingomohone Brook At Belmar Blvd In Farmingdale	3	0.0%	Insufficient Data
24	Marsh Bog Brook At Preventorium Rd In Howell	3	33.3%	Insufficient Data
25	Long Brook At Howell Rd In Howell	3	0.0%	Insufficient Data
30	Shark River Brook At Shark River Station Rd In Tinton Falls	3	66.7%	Insufficient Data
31	Whale Pond Brook At Route 35 In Eatontown	3	100.0%	Insufficient Data
32	Lafetra'S Brook At Hope Rd In Tinton Falls	3	33.3%	Insufficient Data
33	Husky Brook At South St In Eatontown	3	0.0%	Insufficient Data
34	Pine Brook At Hockhockson Rd In Tinton Falls	3	0.0%	Insufficient Data
35	Waackcaack Creek At Highland Ave In Keansburg	3	0.0%	Insufficient Data
36	Chingorora Creek At Broadway In Union Beach	3	0.0%	Insufficient Data
37	Navesink River At Marine Park In Red Bank	3	0.0%	Insufficient Data
38	Navesink River At Lafayette St In Rumson	3	33.3%	Insufficient Data
39	Shrewsbury River At Route 520 (Bridge) In Sea Bright	3	0.0%	Insufficient Data
40	Parker Creek At Alwin Terrace In Little Silver	3	33.3%	Insufficient Data
41	Navesink River At Chapin Ave In Red Bank	3	0.0%	Insufficient Data
42	Navesink River At Fair Haven Rd In Fair Haven	3	33.3%	Insufficient Data
43	Navesink River At Bingham Ave In Rumson	3	33.3%	Insufficient Data
44	Shrewsbury River At Avenue Of Two Rivers In Rumson	3	0.0%	Insufficient Data
45	Branchport Creek At Berdan Pl In Long Branch	2	0.0%	Insufficient Data
46	Lane'S Creek At Edwards Ave In Long Branch	3	0.0%	Insufficient Data
47	Troutman'S Creek At Atlantic Ave In Long Branch	3	0.0%	Insufficient Data
48	Mannahasset Creek At Mannahasset Ave In Long Branch	3	0.0%	Insufficient Data
50	Lake Takanassee At Ocean Ave In Elberon	3	0.0%	Insufficient Data
51	Lupattatong Creek At 1St St - Peterson'S Marina In Keyport	3	0.0%	Insufficient Data
52	Willow Brook At Willow Brook Rd In Holmdel	3	33.3%	Insufficient Data
53	Ramanessin Brook At Willow Rd In Holmdel	3	0.0%	Insufficient Data
54	Bordons Brook At Route 520 In Holmdel	3	33.3%	Insufficient Data
55	Trout Brook At Richdale Rd In Colts Neck	3	33.3%	Insufficient Data
56	Barren Neck Brook At Long Bridge Rd In Colts Neck	3	33.3%	Insufficient Data
57	Big Brook At Laurelwood Dr In Colts Neck	2	50.0%	Insufficient Data
58	Mine Brook At Mercer Rd In Colts Neck	3	66.7%	Insufficient Data

Table II-11. Data Summary of pH from Monmouth County Health Department

Site Number	Site Name	Number of Samples	Exceedance %	Assessment
59	Poplar Brook At Ocean Ave In Deal	3	0.0%	Insufficient Data
60	Shark River At Myron And Wilson Ave In Neptune City	3	0.0%	Insufficient Data
61	Lake Topanemus At Pond Rd In Freehold	3	33.3%	Insufficient Data
62	Troutman'S Creek At Joline Ave In Long Branch	3	0.0%	Insufficient Data
65	Lake Matawan At Main St In Matawan	3	100.0%	Insufficient Data
66	Lake Lefferts At Rt 34 - Buttonwood Manor In Matawan	3	33.3%	Insufficient Data
67	Echo Lake At Maxim-Southard Rd In Howell	3	100.0%	Insufficient Data
68	Wemrock Brook At Rt #9 (Before Pipes) In Freehold	3	33.3%	Insufficient Data
69	Wemrock Brook At Rt #9 (After 1St Pipe) In Freehold	3	0.0%	Insufficient Data

Table II-11. Data Summary of Total Suspended Solids from Monmouth County Health Department

Site Number	Site Name	Number of Samples	Exceedance %	Assessment
1	Deal Lake At Ocean Ave In Asbury	3	0.0%	Insufficient Data
2	Crosswicks Creek At Walnford Rd In Upper Freehold	3	0.0%	Insufficient Data
3	Doctors Creek At Route 539 In Upper Freehold	3	0.0%	Insufficient Data
4	Assunpink Creek At Route 539 In Upper Freehold	3	0.0%	Insufficient Data
5	Millstone River At Route 33 In Millstone	3	33.3%	Insufficient Data
6	North Branch Metedeconk At Jackson Mills Rd In Freehold	3	0.0%	Insufficient Data
7	Toms River At Route 537 In Millstone	3	0.0%	Insufficient Data
8	Matawan Creek At Amboy Ave In Aberdeen	3	33.3%	Insufficient Data
9	Weemaconk Creek At Main St In Manalapan	3	0.0%	Insufficient Data
10	Hollow Brook At Route 35 In Neptune Twnshp	3	0.0%	Insufficient Data
11	Musquash Brook At Brighton Ave In Neptune Twnshp	3	0.0%	Insufficient Data
12	Marina At Clinton Pl In Neptune Twnshp	2	100.0%	Insufficient Data
13	Bry'S Marina At South Concourse In Neptune Twnshp	3	66.7%	Insufficient Data
14	Wreck Pond Brook At Allenwood Rd In Wall	3	33.3%	Insufficient Data
15	Yellow Brook At Elton-Adelphia Rd In Howell	3	0.0%	Insufficient Data
16	Squankum Brook At Easy St In Howell	3	0.0%	Insufficient Data
17	Muddy Ford Brook At Lakewood-Allenwood Rd In Howell	3	0.0%	Insufficient Data
18	Haystack Brook At Maxim-Southard Rd In Howell	3	0.0%	Insufficient Data
19	Titmouse Creek At Friendship Rd In Howell	3	0.0%	Insufficient Data
20	Gravelly Brook At Lloyd Rd In Marlboro	3	0.0%	Insufficient Data
21	Big Brook At Maywood Drive In Marlboro	3	0.0%	Insufficient Data
22	Mcgolliard Brook At Main St In Englishtown	3	33.3%	Insufficient Data
23	Mingomohone Brook At Belmar Blvd In Farmingdale	3	33.3%	Insufficient Data
24	Marsh Bog Brook At Preventorium Rd In Howell	3	0.0%	Insufficient Data
25	Long Brook At Howell Rd In Howell	3	33.3%	Insufficient Data
30	Shark River Brook At Shark River Station Rd In Tinton Falls	3	0.0%	Insufficient Data
31	Whale Pond Brook At Route 35 In Eatontown	3	0.0%	Insufficient Data
32	Lafetra'S Brook At Hope Rd In Tinton Falls	3	0.0%	Insufficient Data
33	Husky Brook At South St In Eatontown	3	0.0%	Insufficient Data
34	Pine Brook At Hockhockson Rd In Tinton Falls	3	33.3%	Insufficient Data
35	Waackcaack Creek At Highland Ave In Keansburg	3	0.0%	Insufficient Data
36	Chingorora Creek At Broadway In Union Beach	3	66.7%	Insufficient Data
37	Navesink River At Marine Park In Red Bank	3	66.7%	Insufficient Data
38	Navesink River At Lafayette St In Rumson	3	66.7%	Insufficient Data
39	Shrewsbury River At Route 520 (Bridge) In Sea Bright	3	66.7%	Insufficient Data
40	Parker Creek At Alwin Terrace In Little Silver	3	66.7%	Insufficient Data
41	Navesink River At Chapin Ave In Red Bank	3	33.3%	Insufficient Data
42	Navesink River At Fair Haven Rd In Fair Haven	3	66.7%	Insufficient Data
43	Navesink River At Bingham Ave In Rumson	3	66.7%	Insufficient Data
44	Shrewsbury River At Avenue Of Two Rivers In Rumson	3	66.7%	Insufficient Data
45	Branchport Creek At Berdan Pl In Long Branch	3	100.0%	Insufficient Data
46	Lane'S Creek At Edwards Ave In Long Branch	3	0.0%	Insufficient Data
47	Troutman'S Creek At Atlantic Ave In Long Branch	3	100.0%	Insufficient Data
48	Mannahasset Creek At Mannahasset Ave In Long Branch	3	66.7%	Insufficient Data
50	Lake Takanassee At Ocean Ave In Elberon	3	0.0%	Insufficient Data
51	Lupattatong Creek At 1St St - Peterson'S Marina In Keyport	3	33.3%	Insufficient Data
52	Willow Brook At Willow Brook Rd In Holmdel	3	0.0%	Insufficient Data
53	Ramanessin Brook At Willow Rd In Holmdel	3	0.0%	Insufficient Data
54	Bordons Brook At Route 520 In Holmdel	3	33.3%	Insufficient Data
55	Trout Brook At Richdale Rd In Colts Neck	3	0.0%	Insufficient Data
56	Barren Neck Brook At Long Bridge Rd In Colts Neck	3	33.3%	Insufficient Data
57	Big Brook At Laurelwood Dr In Colts Neck	2	0.0%	Insufficient Data
58	Mine Brook At Mercer Rd In Colts Neck	3	0.0%	Insufficient Data

Table II-11. Data Summary of Total Suspended Solids from Monmouth County Health Department

Site Number	Site Name	Number of Samples	Exceedance %	Assessment
59	Poplar Brook At Ocean Ave In Deal	3	33.3%	Insufficient Data
60	Shark River At Myron And Wilson Ave In Neptune City	3	100.0%	Insufficient Data
61	Lake Topanemus At Pond Rd In Freehold	3	0.0%	Insufficient Data
62	Troutman'S Creek At Joline Ave In Long Branch	3	33.3%	Insufficient Data
65	Lake Matawan At Main St In Matawan	3	0.0%	Insufficient Data
66	Lake Lefferts At Rt 34 - Buttonwood Manor In Matawan	3	0.0%	Insufficient Data
67	Echo Lake At Maxim-Southard Rd In Howell	3	0.0%	Insufficient Data
68	Wemrock Brook At Rt #9 (Before Pipes) In Freehold	3	66.7%	Insufficient Data
69	Wemrock Brook At Rt #9 (After 1St Pipe) In Freehold	3	33.3%	Insufficient Data

Table II-13. Data Summary of Nitrate from Monmouth County Health Department

Site Number	Site Name	Number of Samples	Exceedance %	Assessment	Comments
1	Deal Lake At Ocean Ave In Asbury	8	0.0%	NA	Tidal (SC stream type)
2	Crosswicks Creek At Walnford Rd In Upper Freehold	8	0.0%	Full Attainment	
3	Doctors Creek At Route 539 In Upper Freehold	8	0.0%	Full Attainment	
4	Assunpink Creek At Route 539 In Upper Freehold	8	0.0%	Full Attainment	
5	Millstone River At Route 33 In Millstone	8	0.0%	Full Attainment	
6	North Branch Metedeconk At Jackson Mills Rd In Millstone	8	0.0%	Full Attainment	
7	Toms River At Route 537 In Millstone	8	0.0%	Full Attainment	
8	Matawan Creek At Amboy Ave In Aberdeen	8	0.0%	NA	Tidal (SC stream type)
9	Weemaconk Creek At Main St In Manalapan	8	0.0%	Full Attainment	
10	Hollow Brook At Route 35 In Neptune Twnshp	8	0.0%	Full Attainment	
11	Musquash Brook At Brighton Ave In Neptune Twnshp	8	0.0%	NA	Tidal (SC stream type)
12	Marina At Clinton Pl In Neptune Twnshp	8	0.0%	NA	Tidal (SC stream type)
13	Bry'S Marina At South Concourse In Neptune Twnshp	8	0.0%	NA	Tidal (SC stream type)
14	Wreck Pond Brook At Allenwood Rd In Wall	8	0.0%	Full Attainment	
15	Yellow Brook At Elton-Adelphia Rd In Howell	8	0.0%	Full Attainment	
16	Squankum Brook At Easy St In Howell	8	0.0%	Full Attainment	
17	Muddy Ford Brook At Lakewood-Allenwood Rd In Howell	8	0.0%	Full Attainment	
18	Haystack Brook At Maxim-Southard Rd In Howell	8	0.0%	Full Attainment	
19	Titmouse Creek At Friendship Rd In Howell	8	0.0%	Full Attainment	
20	Gravelly Brook At Lloyd Rd In Marlboro	8	0.0%	Full Attainment	
21	Big Brook At Maywood Drive In Marlboro	8	0.0%	Full Attainment	
22	Mcgolliard Brook At Main St In Englishtown	8	0.0%	Full Attainment	
23	Mingomohone Brook At Belmar Blvd In Farmington	8	0.0%	Full Attainment	
24	Marsh Bog Brook At Preventorium Rd In Howell	8	0.0%	Full Attainment	
25	Long Brook At Howell Rd In Howell	8	0.0%	Full Attainment	
30	Shark River Brook At Shark River Station Rd In Eatontown	8	0.0%	Full Attainment	
31	Whale Pond Brook At Route 35 In Eatontown	8	0.0%	Full Attainment	
32	Lafetra'S Brook At Hope Rd In Tinton Falls	8	0.0%	Full Attainment	
33	Husky Brook At South St In Eatontown	8	0.0%	Full Attainment	
34	Pine Brook At Hockhockson Rd In Tinton Falls	8	0.0%	Full Attainment	
35	Waackcaack Creek At Highland Ave In Keanston	8	0.0%	NA	Tidal (SC stream type)
36	Chingorora Creek At Broadway In Union Beach	8	0.0%	NA	Tidal (SC stream type)
37	Navesink River At Marine Park In Red Bank	8	0.0%	NA	Tidal (SC stream type)
38	Navesink River At Lafayette St In Rumson	8	0.0%	NA	Tidal (SC stream type)
39	Shrewsbury River At Route 520 (Bridge) In Sea Beach	8	0.0%	NA	Tidal (SC stream type)
40	Parker Creek At Alwin Terrace In Little Silver	9	0.0%	NA	Tidal (SC stream type)
41	Navesink River At Chapin Ave In Red Bank	8	0.0%	NA	Tidal (SC stream type)
42	Navesink River At Fair Haven Rd In Fair Haven	8	0.0%	NA	Tidal (SC stream type)
43	Navesink River At Bingham Ave In Rumson	8	0.0%	NA	Tidal (SC stream type)
44	Shrewsbury River At Avenue Of Two Rivers In Sea Beach	8	0.0%	NA	Tidal (SC stream type)
45	Branchport Creek At Berdan Pl In Long Branch	8	0.0%	NA	Tidal (SC stream type)
46	Lane'S Creek At Edwards Ave In Long Branch	8	0.0%	NA	Tidal (SC stream type)
47	Troutman'S Creek At Atlantic Ave In Long Branch	8	0.0%	NA	Tidal (SC stream type)
48	Mannahasset Creek At Mannahasset Ave In Long Branch	8	0.0%	NA	Tidal (SC stream type)
50	Lake Takanassee At Ocean Ave In Elberon	8	0.0%	NA	Tidal (SC stream type)
51	Lupattatong Creek At 1St St - Peterson'S Marina In Elberon	8	0.0%	NA	Tidal (SC stream type)
52	Willow Brook At Willow Brook Rd In Holmdel	8	0.0%	Full Attainment	
53	Ramanessin Brook At Willow Rd In Holmdel	8	0.0%	Full Attainment	
54	Bordons Brook At Route 520 In Holmdel	8	0.0%	Full Attainment	
55	Trout Brook At Richdale Rd In Colts Neck	8	0.0%	Full Attainment	
56	Barren Neck Brook At Long Bridge Rd In Colts Neck	8	0.0%	Full Attainment	
57	Big Brook At Laurelwood Dr In Colts Neck	8	0.0%	Full Attainment	
58	Mine Brook At Mercer Rd In Colts Neck	8	0.0%	Full Attainment	

Table II-13. Data Summary of Nitrate from Monmouth County Health Department

Site Number	Site Name	Number of Samples	Exceedance %	Assessment	Comments
59	Poplar Brook At Ocean Ave In Deal	8	0.0%	Full Attainment	
60	Shark River At Myron And Wilson Ave In Neptu	8	0.0%	NA	Tidal (SC stream type)
61	Lake Topanemus At Pond Rd In Freehold	7	0.0%	Full Attainment	
62	Troutman'S Creek At Joline Ave In Long Branch	8	0.0%	NA	Tidal (SC stream type)
65	Lake Matawan At Main St In Matawan	8	0.0%	NA	Tidal (SC stream type)
66	Lake Lefferts At Rt 34 - Buttonwood Manor In M	8	0.0%	Full Attainment	
67	Echo Lake At Maxim-Southard Rd In Howell	8	0.0%	Full Attainment	
68	Wemrock Brook At Rt #9 (Before Pipes) In Fre	8	0.0%	Full Attainment	
69	Wemrock Brook At Rt #9 (After 1St Pipe) In Fr	8	0.0%	Full Attainment	

Table II-14. Data Summary of Fecal Coliform from Monmouth County Health Department

Site Number	Site Name	Number of Samples	Geometric Mean	Exceedance %	Assessment
1	Deal Lake At Ocean Ave In Asbury	18	122.81	22.2%	Non Attainment
2	Crosswicks Creek At Walnford Rd In Upper Freehold	18	197.56	38.9%	Non Attainment
3	Doctors Creek At Route 539 In Upper Freehold	18	82.00	5.6%	Full Attainment
4	Assunpink Creek At Route 539 In Upper Freehold	18	49.54	5.6%	Full Attainment
5	Millstone River At Route 33 In Millstone	17	46.53	11.8%	Non Attainment
6	North Branch Metedeconk At Jackson Mills Rd In Freehold	18	74.77	22.2%	Non Attainment
7	Toms River At Route 537 In Millstone	18	77.68	33.3%	Non Attainment
8	Matawan Creek At Amboy Ave In Aberdeen	18	35.14	16.7%	Non Attainment
9	Weemaconk Creek At Main St In Manalapan	18	57.69	16.7%	Non Attainment
10	Hollow Brook At Route 35 In Neptune Twnshp	18	142.77	44.4%	Non Attainment
11	Musquash Brook At Brighton Ave In Neptune Twnshp	18	22.44	16.7%	Non Attainment
12	Marina At Clinton Pl In Neptune Twnshp	18	40.82	5.6%	Full Attainment
13	Bry'S Marina At South Concourse In Neptune Twnshp	18	42.09	0.0%	Full Attainment
14	Wreck Pond Brook At Allenwood Rd In Wall	19	78.88	21.1%	Non Attainment
15	Yellow Brook At Elton-Adelphia Rd In Howell	18	13.40	5.6%	Full Attainment
16	Squankum Brook At Easy St In Howell	18	71.46	27.8%	Non Attainment
17	Muddy Ford Brook At Lakewood-Allenwood Rd In Howell	18	54.64	11.1%	Non Attainment
18	Haystack Brook At Maxim-Southard Rd In Howell	18	122.79	22.2%	Non Attainment
19	Titmouse Creek At Friendship Rd In Howell	18	71.77	16.7%	Non Attainment
20	Gravelly Brook At Lloyd Rd In Marlboro	18	6.47	0.0%	Full Attainment
21	Big Brook At Maywood Drive In Marlboro	18	53.82	11.1%	Non Attainment
22	Mcgolliard Brook At Main St In Englishtown	20	76.19	30.0%	Non Attainment
23	Mingomohone Brook At Belmar Blvd In Farmingdale	18	54.57	5.6%	Full Attainment
24	Marsh Bog Brook At Preventorium Rd In Howell	18	45.75	16.7%	Non Attainment
25	Long Brook At Howell Rd In Howell	19	213.87	42.1%	Non Attainment
30	Shark River Brook At Shark River Station Rd In Tinton Falls	16	29.02	6.3%	Full Attainment
31	Whale Pond Brook At Route 35 In Eatontown	17	22.55	11.8%	Non Attainment
32	Lafetra'S Brook At Hope Rd In Tinton Falls	17	87.48	17.6%	Non Attainment
33	Husky Brook At South St In Eatontown	17	201.02	29.4%	Non Attainment
34	Pine Brook At Hockhockson Rd In Tinton Falls	17	51.91	11.8%	Non Attainment
35	Waackcaack Creek At Highland Ave In Keansburg	18	122.84	22.2%	Non Attainment
36	Chingorora Creek At Broadway In Union Beach	18	173.37	27.8%	Non Attainment
37	Navesink River At Marine Park In Red Bank	18	45.69	0.0%	Full Attainment
38	Navesink River At Lafayette St In Rumson	18	65.92	11.1%	Non Attainment
39	Shrewsbury River At Route 520 (Bridge) In Sea Bright	18	23.71	0.0%	Full Attainment
40	Parker Creek At Alwin Terrace In Little Silver	18	28.92	5.6%	Full Attainment
41	Navesink River At Chapin Ave In Red Bank	18	173.36	27.8%	Non Attainment
42	Navesink River At Fair Haven Rd In Fair Haven	18	26.45	5.6%	Full Attainment
43	Navesink River At Bingham Ave In Rumson	17	75.70	17.6%	Non Attainment
44	Shrewsbury River At Avenue Of Two Rivers In Rumson	17	17.99	0.0%	Full Attainment
45	Branchport Creek At Berdan Pl In Long Branch	18	202.28	33.3%	Non Attainment
46	Lane'S Creek At Edwards Ave In Long Branch	18	274.92	44.4%	Non Attainment
47	Troutman'S Creek At Atlantic Ave In Long Branch	18	111.20	22.2%	Non Attainment
48	Mannahasset Creek At Mannahasset Ave In Long Branch	18	138.74	27.8%	Non Attainment
50	Lake Takanassee At Ocean Ave In Elberon	18	95.54	27.8%	Non Attainment
51	Lupattatong Creek At 1St St - Peterson'S Marina In Keyport	19	70.83	15.8%	Non Attainment
52	Willow Brook At Willow Brook Rd In Holmdel	18	63.37	22.2%	Non Attainment
53	Ramanessin Brook At Willow Rd In Holmdel	18	79.55	22.2%	Non Attainment
54	Bordons Brook At Route 520 In Holmdel	16	122.00	25.0%	Non Attainment
55	Trout Brook At Richdale Rd In Colts Neck	17	86.71	29.4%	Non Attainment
56	Barren Neck Brook At Long Bridge Rd In Colts Neck	17	172.35	35.3%	Non Attainment
57	Big Brook At Laurelwood Dr In Colts Neck	17	140.25	29.4%	Non Attainment
58	Mine Brook At Mercer Rd In Colts Neck	17	29.32	5.9%	Full Attainment

Table II-14. Data Summary of Fecal Coliform from Monmouth County Health Department

Site Number	Site Name	Number of Samples	Geometric Mean	Exceedance %	Assessment
59	Poplar Brook At Ocean Ave In Deal	17	177.06	29.4%	Non Attainment
60	Shark River At Myron And Wilson Ave In Neptune City	18	143.18	16.7%	Non Attainment
61	Lake Topanemus At Pond Rd In Freehold	16	34.79	12.5%	Non Attainment
62	Troutman'S Creek At Joline Ave In Long Branch	18	447.58	50.0%	Non Attainment
65	Lake Matawan At Main St In Matawan	18	2.31	0.0%	Full Attainment
66	Lake Lefferts At Rt 34 - Buttonwood Manor In Matawan	18	10.91	5.6%	Full Attainment
67	Echo Lake At Maxim-Southard Rd In Howell	18	40.47	5.6%	Full Attainment
68	Wemrock Brook At Rt #9 (Before Pipes) In Freehold	19	44.78	26.3%	Non Attainment
69	Wemrock Brook At Rt #9 (After 1St Pipe) In Freehold	17	33.07	17.6%	Non Attainment

Table II-15. Data Summary of Metals in the the Atlantic Coast Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	Assessment Result
12	12-MA-1	Manasquan River at Hospital Rd	Arsenic	3	MDL	0	0	3	MDL	0	0	Insufficient Data
12	12-MA-1	Manasquan River at Hospital Rd	Cadmium	3	0	0	MDL	3	0	0	MDL	Insufficient Data
12	12-MA-1	Manasquan River at Hospital Rd	Chromium	3	0	0	0	3	0	0	0	Attain
12	12-MA-1	Manasquan River at Hospital Rd	Copper	3	NA	0	0	3	NA	0	0	Attain
12	12-MA-1	Manasquan River at Hospital Rd	Lead	3	0	0	0	3	0	0	0	Attain
12	12-MA-1	Manasquan River at Hospital Rd	Mercury	3	0	0	MDL	3	0	0	MDL	Insufficient Data
12	12-MA-1	Manasquan River at Hospital Rd	Nickel	3	0	0	0	3	0	0	0	Attain
12	12-MA-1	Manasquan River at Hospital Rd	Selenium	3	0	0	0	3	0	0	0	Attain
12	12-MA-1	Manasquan River at Hospital Rd	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
12	12-MA-1	Manasquan River at Hospital Rd	Zinc	3	NA	0	0	3	NA	0	0	Attain
12	12-MA-2	Manasquan River at West Farm Rd	Arsenic	3	MDL	0	0	3	MDL	0	0	Insufficient Data
12	12-MA-2	Manasquan River at West Farm Rd	Cadmium	3	0	0	MDL	3	0	0	MDL	Insufficient Data
12	12-MA-2	Manasquan River at West Farm Rd	Chromium	3	0	0	0	3	0	0	0	Attain
12	12-MA-2	Manasquan River at West Farm Rd	Copper	3	NA	0	0	3	NA	0	0	Attain
12	12-MA-2	Manasquan River at West Farm Rd	Lead	3	0	0	0	3	0	0	0	Attain
12	12-MA-2	Manasquan River at West Farm Rd	Mercury	3	0	0	MDL	3	0	0	MDL	Insufficient Data
12	12-MA-2	Manasquan River at West Farm Rd	Nickel	3	0	0	0	3	0	0	0	Attain
12	12-MA-2	Manasquan River at West Farm Rd	Selenium	3	0	0	0	3	0	0	0	Attain
12	12-MA-2	Manasquan River at West Farm Rd	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
12	12-MA-2	Manasquan River at West Farm Rd	Zinc	3	NA	0	0	3	NA	0	0	Attain
12	12-MA-3	Manasquan River at Rte 9	Arsenic	3	MDL	0	0	3	MDL	0	0	Insufficient Data
12	12-MA-3	Manasquan River at Rte 9	Cadmium	3	0	0	MDL	3	0	0	MDL	Insufficient Data
12	12-MA-3	Manasquan River at Rte 9	Chromium	3	0	0	0	3	0	0	0	Attain
12	12-MA-3	Manasquan River at Rte 9	Copper	3	NA	0	0	3	NA	0	0	Attain
12	12-MA-3	Manasquan River at Rte 9	Lead	3	0	0	0	3	0	0	0	Attain
12	12-MA-3	Manasquan River at Rte 9	Mercury	3	0	0	MDL	3	0	0	MDL	Insufficient Data
12	12-MA-3	Manasquan River at Rte 9	Nickel	3	0	0	0	3	0	0	0	Attain
12	12-MA-3	Manasquan River at Rte 9	Selenium	3	0	0	0	3	0	0	0	Attain
12	12-MA-3	Manasquan River at Rte 9	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
12	12-MA-3	Manasquan River at Rte 9	Zinc	3	NA	0	0	3	NA	0	0	Attain
12	12-YEL-1	Yellow Brook on Rte 537 Marboro	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data	Insufficient Data
12	12-YEL-1	Yellow Brook on Rte 537 Marboro	Cadmium	3	0	0	MDL	0	No Data	No Data	No Data	Insufficient Data
12	12-YEL-1	Yellow Brook on Rte 537 Marboro	Chromium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
12	12-YEL-1	Yellow Brook on Rte 537 Marboro	Copper	3	NA	0	0	0	NA	No Data	No Data	Insufficient Data
12	12-YEL-1	Yellow Brook on Rte 537 Marboro	Lead	3	0	0	MDL	0	No Data	No Data	No Data	Insufficient Data
12	12-YEL-1	Yellow Brook on Rte 537 Marboro	Mercury	3	0	0	MDL	0	No Data	No Data	No Data	Insufficient Data
12	12-YEL-1	Yellow Brook on Rte 537 Marboro	Nickel	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
12	12-YEL-1	Yellow Brook on Rte 537 Marboro	Selenium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
12	12-YEL-1	Yellow Brook on Rte 537 Marboro	Silver	3	0	MDL	NA	0	No Data	No Data	NA	Insufficient Data
12	12-YEL-1	Yellow Brook on Rte 537 Marboro	Zinc	3	NA	0	0	0	NA	No Data	No Data	Insufficient Data
12	NA	Birch Swamp Brook	Arsenic	0	No Data	No Data	No Data	0	No Data	No Data	No Data	No Data
12	NA	Birch Swamp Brook	Copper	0	NA	No Data	No Data	0	NA	No Data	No Data	No Data
12	NA	Birch Swamp Brook	Lead	0	No Data	No Data	No Data	0	No Data	No Data	No Data	No Data
12	NA	Birch Swamp Brook	PCB-1254	0	No Data	No Data	No Data	0	No Data	No Data	No Data	No Data
12	NA	Birch Swamp Brook	Zinc	0	NA	No Data	No Data	0	NA	No Data	No Data	No Data

Table II-15. Data Summary of Metals in the the Atlantic Coast Region

303d Site ID	Monitoring Location	1998 303d List Page	Candidate List Category	Notes
12-MA-1	Manasquan River at Hospital Rd	A77	3	
12-MA-1	Manasquan River at Hospital Rd	A77	3	
12-MA-1	Manasquan River at Hospital Rd	A77	1	
12-MA-1	Manasquan River at Hospital Rd	A77	1	
12-MA-1	Manasquan River at Hospital Rd	A77	1	
12-MA-1	Manasquan River at Hospital Rd	A77	3	
12-MA-1	Manasquan River at Hospital Rd	A77	1	
12-MA-1	Manasquan River at Hospital Rd	NA	1	
12-MA-1	Manasquan River at Hospital Rd	NA	3	
12-MA-1	Manasquan River at Hospital Rd	NA	1	
12-MA-2	Manasquan River at West Farm Rd	A77	3	
12-MA-2	Manasquan River at West Farm Rd	A77	3	
12-MA-2	Manasquan River at West Farm Rd	A77	1	
12-MA-2	Manasquan River at West Farm Rd	A77	1	
12-MA-2	Manasquan River at West Farm Rd	A77	1	
12-MA-2	Manasquan River at West Farm Rd	A77	3	
12-MA-2	Manasquan River at West Farm Rd	A77	1	
12-MA-2	Manasquan River at West Farm Rd	NA	1	
12-MA-2	Manasquan River at West Farm Rd	NA	3	
12-MA-2	Manasquan River at West Farm Rd	NA	1	
12-MA-3	Manasquan River at Rte 9	A77	3	
12-MA-3	Manasquan River at Rte 9	A77	3	
12-MA-3	Manasquan River at Rte 9	A77	1	
12-MA-3	Manasquan River at Rte 9	A77	1	
12-MA-3	Manasquan River at Rte 9	A77	1	
12-MA-3	Manasquan River at Rte 9	A77	3	
12-MA-3	Manasquan River at Rte 9	A77	1	
12-MA-3	Manasquan River at Rte 9	NA	1	
12-MA-3	Manasquan River at Rte 9	NA	3	
12-MA-3	Manasquan River at Rte 9	NA	1	
12-YEL-1	Yellow Brook on Rte 537 Marboro	NA	3	
12-YEL-1	Yellow Brook on Rte 537 Marboro	NA	3	
12-YEL-1	Yellow Brook on Rte 537 Marboro	NA	3	
12-YEL-1	Yellow Brook on Rte 537 Marboro	NA	3	
12-YEL-1	Yellow Brook on Rte 537 Marboro	NA	3	
12-YEL-1	Yellow Brook on Rte 537 Marboro	NA	3	
12-YEL-1	Yellow Brook on Rte 537 Marboro	NA	3	
12-YEL-1	Yellow Brook on Rte 537 Marboro	NA	3	
12-YEL-1	Yellow Brook on Rte 537 Marboro	NA	3	
NA	Birch Swamp Brook	Fed Reg	4	Remanded 303d List
NA	Birch Swamp Brook	Fed Reg	4	Remanded 303d List
NA	Birch Swamp Brook	Fed Reg	4	Remanded 303d List
NA	Birch Swamp Brook	Fed Reg	4	Remanded 303d List
NA	Birch Swamp Brook	Fed Reg	4	Remanded 303d List

Table II-15. Data Summary of Metals in the the Atlantic Coast Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	Assessment Result
13	13-TOM-1	Toms River near Toms River	Arsenic	3	MDL	0	0	1	MDL	0	0	Insufficient Data
13	13-TOM-1	Toms River near Toms River	Cadmium	3	0	MDL	MDL	1	0	MDL	MDL	Insufficient Data
13	13-TOM-1	Toms River near Toms River	Chromium	3	0	0	0	1	0	0	0	Attain
13	13-TOM-1	Toms River near Toms River	Copper	3	NA	0	0	1	NA	0	0	Attain
13	13-TOM-1	Toms River near Toms River	Lead	3	0	0	MDL	1	0	0	1	Not Attain
13	13-TOM-1	Toms River near Toms River	Mercury	3	0	0	MDL	1	0	0	MDL	Insufficient Data
13	13-TOM-1	Toms River near Toms River	Nickel	3	0	0	0	1	0	0	0	Attain
13	13-TOM-1	Toms River near Toms River	Selenium	3	0	0	0	1	0	0	0	Attain
13	13-TOM-1	Toms River near Toms River	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
13	13-TOM-1	Toms River near Toms River	Zinc	3	NA	0	0	1	NA	0	0	Attain
13	NA	Toms River - Tidal	Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	No Data
13	NA	Toms River - Tidal	Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	No Data
13	NA	Toms River - Tidal	Chromium	NA	NA	NA	NA	NA	NA	NA	NA	No Data
13	NA	Toms River - Tidal	Copper	NA	NA	NA	NA	NA	NA	NA	NA	No Data
13	NA	Toms River - Tidal	Lead	NA	NA	NA	NA	NA	NA	NA	NA	No Data
13	NA	Toms River - Tidal	Mercury	NA	NA	NA	NA	NA	NA	NA	NA	No Data
13	NA	Toms River - Tidal	Nickel	NA	NA	NA	NA	NA	NA	NA	NA	No Data
13	NA	Toms River - Tidal	Selenium	NA	NA	NA	NA	NA	NA	NA	NA	No Data
13	NA	Toms River - Tidal	Silver	NA	NA	NA	NA	NA	NA	NA	NA	No Data
13	NA	Toms River - Tidal	Zinc	NA	NA	NA	NA	NA	NA	NA	NA	No Data
14	14-HAM-2	Hammonton Creek at Westcoatville	Arsenic	3	MDL	0	0	1	MDL	0	0	Insufficient Data
14	14-HAM-2	Hammonton Creek at Westcoatville	Cadmium	3	0	MDL	MDL	1	0	MDL	MDL	Insufficient Data
14	14-HAM-2	Hammonton Creek at Westcoatville	Chromium	3	0	0	0	1	0	0	0	Attain
14	14-HAM-2	Hammonton Creek at Westcoatville	Copper	3	NA	0	0	1	NA	0	0	Attain
14	14-HAM-2	Hammonton Creek at Westcoatville	Lead	3	0	0	MDL	1	0	0	1	Not Attain
14	14-HAM-2	Hammonton Creek at Westcoatville	Mercury	3	0	0	2	1	0	0	MDL	Not Attain
14	14-HAM-2	Hammonton Creek at Westcoatville	Nickel	3	0	0	0	1	0	0	0	Attain
14	14-HAM-2	Hammonton Creek at Westcoatville	Selenium	3	0	0	0	1	0	0	0	Attain
14	14-HAM-2	Hammonton Creek at Westcoatville	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
14	14-HAM-2	Hammonton Creek at Westcoatville	Zinc	3	NA	0	0	1	NA	0	0	Attain
14	14-BAT-1	Batsto River on Rte 542, Batsto	Arsenic	3	MDL	0	0	1	MDL	0	0	Insufficient Data
14	14-BAT-1	Batsto River on Rte 542, Batsto	Cadmium	3	0	MDL	MDL	1	0	MDL	MDL	Insufficient Data
14	14-BAT-1	Batsto River on Rte 542, Batsto	Chromium	3	0	0	0	1	0	0	0	Attain
14	14-BAT-1	Batsto River on Rte 542, Batsto	Copper	3	NA	QA	QA	1	NA	0	0	Insufficient Data
14	14-BAT-1	Batsto River on Rte 542, Batsto	Lead	3	0	0	MDL	1	0	0	MDL	Insufficient Data
14	14-BAT-1	Batsto River on Rte 542, Batsto	Mercury	3	0	0	QA	1	0	0	MDL	Insufficient Data
14	14-BAT-1	Batsto River on Rte 542, Batsto	Nickel	3	0	0	0	1	0	0	0	Attain
14	14-BAT-1	Batsto River on Rte 542, Batsto	Selenium	3	0	0	0	1	0	0	0	Attain
14	14-BAT-1	Batsto River on Rte 542, Batsto	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
14	14-BAT-1	Batsto River on Rte 542, Batsto	Zinc	3	NA	0	0	1	NA	0	0	Attain
14	14-OSW-1	Oswego River on Rte 679, Harrisville	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data	Insufficient Data
14	14-OSW-1	Oswego River on Rte 679, Harrisville	Cadmium	3	0	MDL	MDL	0	No Data	No Data	No Data	Insufficient Data
14	14-OSW-1	Oswego River on Rte 679, Harrisville	Chromium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
14	14-OSW-1	Oswego River on Rte 679, Harrisville	Copper	3	NA	0	0	0	No Data	No Data	No Data	Insufficient Data
14	14-OSW-1	Oswego River on Rte 679, Harrisville	Lead	3	0	0	MDL	0	No Data	No Data	No Data	Insufficient Data

Table II-15. Data Summary of Metals in the the Atlantic Coast Region

303d Site ID	Monitoring Location	1998 303d List Page	Candidate List Category	Notes
13-TOM-1	Toms River near Toms River	A79	3	
13-TOM-1	Toms River near Toms River	A79	3	
13-TOM-1	Toms River near Toms River	A79	1	
13-TOM-1	Toms River near Toms River	A79	1	
13-TOM-1	Toms River near Toms River	A79	5	
13-TOM-1	Toms River near Toms River	A79	3	
13-TOM-1	Toms River near Toms River	NA	1	
13-TOM-1	Toms River near Toms River	NA	1	
13-TOM-1	Toms River near Toms River	NA	3	
13-TOM-1	Toms River near Toms River	A79	1	
NA	Toms River - Tidal	A79	5	Tidal Reaches - 02040301-014, 017
NA	Toms River - Tidal	NA	3	Tidal Reaches - 02040301-014, 017
NA	Toms River - Tidal	NA	3	Tidal Reaches - 02040301-014, 017
NA	Toms River - Tidal	A79	5	Tidal Reaches - 02040301-014, 017
NA	Toms River - Tidal	A79	5	Tidal Reaches - 02040301-014, 017
NA	Toms River - Tidal	NA	3	Tidal Reaches - 02040301-014, 017
NA	Toms River - Tidal	A79	5	Tidal Reaches - 02040301-014, 017
NA	Toms River - Tidal	NA	3	Tidal Reaches - 02040301-014, 017
NA	Toms River - Tidal	NA	3	Tidal Reaches - 02040301-014, 017
NA	Toms River - Tidal	NA	3	Tidal Reaches - 02040301-014, 017
NA	Toms River - Tidal	A79	5	Tidal Reaches - 02040301-014, 017
14-HAM-2	Hammonton Creek at Westcoatville	A74	3	
14-HAM-2	Hammonton Creek at Westcoatville	A74	3	
14-HAM-2	Hammonton Creek at Westcoatville	A74	1	
14-HAM-2	Hammonton Creek at Westcoatville	A74	1	
14-HAM-2	Hammonton Creek at Westcoatville	A74	5	
14-HAM-2	Hammonton Creek at Westcoatville	A74	5	
14-HAM-2	Hammonton Creek at Westcoatville	NA	1	
14-HAM-2	Hammonton Creek at Westcoatville	NA	1	
14-HAM-2	Hammonton Creek at Westcoatville	NA	3	
14-HAM-2	Hammonton Creek at Westcoatville	A74	1	
14-BAT-1	Batsto River on Rte 542, Batsto	NA	3	
14-BAT-1	Batsto River on Rte 542, Batsto	NA	3	
14-BAT-1	Batsto River on Rte 542, Batsto	NA	1	
14-BAT-1	Batsto River on Rte 542, Batsto	A80	5	QA Issue: TR less than DF
14-BAT-1	Batsto River on Rte 542, Batsto	A80	3	
14-BAT-1	Batsto River on Rte 542, Batsto	NA	3	QA Issue: Detectable Hg in blank
14-BAT-1	Batsto River on Rte 542, Batsto	NA	1	
14-BAT-1	Batsto River on Rte 542, Batsto	NA	1	
14-BAT-1	Batsto River on Rte 542, Batsto	NA	3	
14-BAT-1	Batsto River on Rte 542, Batsto	A80	1	
14-OSW-1	Oswego River on Rte 679, Harrisville	NA	3	
14-OSW-1	Oswego River on Rte 679, Harrisville	NA	3	
14-OSW-1	Oswego River on Rte 679, Harrisville	NA	3	
14-OSW-1	Oswego River on Rte 679, Harrisville	A80	5	
14-OSW-1	Oswego River on Rte 679, Harrisville	NA	3	

Table II-15. Data Summary of Metals in the the Atlantic Coast Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	Assessment Result
14	14-OSW-1	Oswego River on Rte 679, Harrisville	Mercury	3	0	0	QA	0	No Data	No Data	No Data	Insufficient Data
14	14-OSW-1	Oswego River on Rte 679, Harrisville	Nickel	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
14	14-OSW-1	Oswego River on Rte 679, Harrisville	Selenium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
14	14-OSW-1	Oswego River on Rte 679, Harrisville	Silver	0	No Data	No Data	NA	0	No Data	No Data	No Data	No Data
14	14-OSW-1	Oswego River on Rte 679, Harrisville	Zinc	3	NA	1	1	0	No Data	No Data	No Data	Not Attain
15	15-GEH-1	Great Egg Harbor River @ Sicklerville (Winslow)	Arsenic	3	MDL	0	0	2	MDL	0	0	Insufficient Data
15	15-GEH-1	Great Egg Harbor River @ Sicklerville (Winslow)	Cadmium	3	0	MDL	MDL	2	0	MDL	MDL	Insufficient Data
15	15-GEH-1	Great Egg Harbor River @ Sicklerville (Winslow)	Chromium	3	0	0	0	2	0	0	0	Attain
15	15-GEH-1	Great Egg Harbor River @ Sicklerville (Winslow)	Copper	3	NA	0	0	2	NA	0	0	Attain
15	15-GEH-1	Great Egg Harbor River @ Sicklerville (Winslow)	Lead	3	0	0	MDL	2	0	0	1	Not Attain
15	15-GEH-1	Great Egg Harbor River @ Sicklerville (Winslow)	Mercury	3	0	0	1	2	0	0	MDL	Not Attain
15	15-GEH-1	Great Egg Harbor River @ Sicklerville (Winslow)	Nickel	3	0	0	0	2	0	0	0	Attain
15	15-GEH-1	Great Egg Harbor River @ Sicklerville (Winslow)	Selenium	3	0	0	0	2	0	0	0	Attain
15	15-GEH-1	Great Egg Harbor River @ Sicklerville (Winslow)	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
15	15-GEH-1	Great Egg Harbor River @ Sicklerville (Winslow)	Zinc	3	NA	0	0	2	NA	0	0	Attain
15	15-GEH-2	Great Egg Harbor River @ Folsom	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data	Insufficient Data
15	15-GEH-2	Great Egg Harbor River @ Folsom	Cadmium	3	0	MDL	MDL	0	No Data	No Data	No Data	Insufficient Data
15	15-GEH-2	Great Egg Harbor River @ Folsom	Chromium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
15	15-GEH-2	Great Egg Harbor River @ Folsom	Copper	3	NA	3	3	0	NA	No Data	No Data	Not Attain
15	15-GEH-2	Great Egg Harbor River @ Folsom	Lead	3	0	0	MDL	0	No Data	No Data	No Data	Insufficient Data
15	15-GEH-2	Great Egg Harbor River @ Folsom	Mercury	3	0	0	MDL	0	No Data	No Data	No Data	Insufficient Data
15	15-GEH-2	Great Egg Harbor River @ Folsom	Nickel	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
15	15-GEH-2	Great Egg Harbor River @ Folsom	Selenium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
15	15-GEH-2	Great Egg Harbor River @ Folsom	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
15	15-GEH-2	Great Egg Harbor River @ Folsom	Zinc	3	NA	0	0	0	NA	No Data	No Data	Insufficient Data
15	15-GEH-3	Great Egg Harbor River @ Weymouth	Arsenic	3	MDL	0	0	1	MDL	0	0	Insufficient Data
15	15-GEH-3	Great Egg Harbor River @ Weymouth	Cadmium	3	0	MDL	MDL	1	0	MDL	MDL	Insufficient Data
15	15-GEH-3	Great Egg Harbor River @ Weymouth	Chromium	3	0	0	0	1	0	0	0	Attain
15	15-GEH-3	Great Egg Harbor River @ Weymouth	Copper	3	NA	3	3	1	NA	1	1	Not Attain
15	15-GEH-3	Great Egg Harbor River @ Weymouth	Lead	3	0	0	MDL	1	0	0	1	Not Attain
15	15-GEH-3	Great Egg Harbor River @ Weymouth	Mercury	3	0	0	QA	1	0	0	MDL	Insufficient Data
15	15-GEH-3	Great Egg Harbor River @ Weymouth	Nickel	3	0	0	0	1	0	0	0	Attain
15	15-GEH-3	Great Egg Harbor River @ Weymouth	Selenium	3	0	0	0	1	0	0	0	Attain
15	15-GEH-3	Great Egg Harbor River @ Weymouth	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
15	15-GEH-3	Great Egg Harbor River @ Weymouth	Zinc	3	NA	0	0	1	NA	0	0	Attain

Table II-15. Data Summary of Metals in the the Atlantic Coast Region

303d Site ID	Monitoring Location	1998 303d List Page	Candidate List Category	Notes
14-OSW-1	Oswego River on Rte 679, Harrisville	NA	3	Detectable Hg in Blank
14-OSW-1	Oswego River on Rte 679, Harrisville	NA	3	
14-OSW-1	Oswego River on Rte 679, Harrisville	NA	3	
14-OSW-1	Oswego River on Rte 679, Harrisville	NA	3	
14-OSW-1	Oswego River on Rte 679, Harrisville	NA	5	
15-GEH-1	Great Egg Harbor River @ Sicklerville (Winslow)	A73	3	
15-GEH-1	Great Egg Harbor River @ Sicklerville (Winslow)	A73	3	
15-GEH-1	Great Egg Harbor River @ Sicklerville (Winslow)	A73	1	
15-GEH-1	Great Egg Harbor River @ Sicklerville (Winslow)	A73	1	
15-GEH-1	Great Egg Harbor River @ Sicklerville (Winslow)	A73	5	
15-GEH-1	Great Egg Harbor River @ Sicklerville (Winslow)	A73	5	
15-GEH-1	Great Egg Harbor River @ Sicklerville (Winslow)	NA	1	
15-GEH-1	Great Egg Harbor River @ Sicklerville (Winslow)	NA	1	
15-GEH-1	Great Egg Harbor River @ Sicklerville (Winslow)	NA	3	
15-GEH-1	Great Egg Harbor River @ Sicklerville (Winslow)	A73	1	
15-GEH-2	Great Egg Harbor River @ Folsom	A73	5	No elevated flow sample
15-GEH-2	Great Egg Harbor River @ Folsom	A73	5	No elevated flow sample
15-GEH-2	Great Egg Harbor River @ Folsom	A73	5	No elevated flow sample
15-GEH-2	Great Egg Harbor River @ Folsom	A73	5	No elevated flow sample
15-GEH-2	Great Egg Harbor River @ Folsom	A73	5	No elevated flow sample
15-GEH-2	Great Egg Harbor River @ Folsom	A73	5	No elevated flow sample
15-GEH-2	Great Egg Harbor River @ Folsom	NA	3	No elevated flow sample
15-GEH-2	Great Egg Harbor River @ Folsom	NA	3	No elevated flow sample
15-GEH-2	Great Egg Harbor River @ Folsom	NA	3	No elevated flow sample
15-GEH-2	Great Egg Harbor River @ Folsom	A73	5	No elevated flow sample
15-GEH-3	Great Egg Harbor River @ Weymouth	A73	3	
15-GEH-3	Great Egg Harbor River @ Weymouth	A73	3	
15-GEH-3	Great Egg Harbor River @ Weymouth	A73	1	
15-GEH-3	Great Egg Harbor River @ Weymouth	A73	5	
15-GEH-3	Great Egg Harbor River @ Weymouth	A73	5	
15-GEH-3	Great Egg Harbor River @ Weymouth	A73	3	Hg detected in Trip Blank
15-GEH-3	Great Egg Harbor River @ Weymouth	A73	1	
15-GEH-3	Great Egg Harbor River @ Weymouth	NA	1	
15-GEH-3	Great Egg Harbor River @ Weymouth	NA	3	
15-GEH-3	Great Egg Harbor River @ Weymouth	A73	1	

Table II-15. Data Summary of Metals in the the Atlantic Coast Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	Assessment Result
15	NA	Great Egg Harbor River - Tidal	Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	No Data
15	NA	Great Egg Harbor River - Tidal	Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	No Data
15	NA	Great Egg Harbor River - Tidal	Chromium	NA	NA	NA	NA	NA	NA	NA	NA	No Data
15	NA	Great Egg Harbor River - Tidal	Copper	NA	NA	NA	NA	NA	NA	NA	NA	No Data
15	NA	Great Egg Harbor River - Tidal	Lead	NA	NA	NA	NA	NA	NA	NA	NA	No Data
15	NA	Great Egg Harbor River - Tidal	Mercury	NA	NA	NA	NA	NA	NA	NA	NA	No Data
15	NA	Great Egg Harbor River - Tidal	Nickel	NA	NA	NA	NA	NA	NA	NA	NA	No Data
15	NA	Great Egg Harbor River - Tidal	Selenium	NA	NA	NA	NA	NA	NA	NA	NA	No Data
15	NA	Great Egg Harbor River - Tidal	Silver	NA	NA	NA	NA	NA	NA	NA	NA	No Data
15	NA	Great Egg Harbor River - Tidal	Zinc	NA	NA	NA	NA	NA	NA	NA	NA	No Data
14	14-MUL-2	Mullica River @ Outlet of Atsion Lake	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data	Insufficient Data
14	14-MUL-2	Mullica River @ Outlet of Atsion Lake	Cadmium	3	0	MDL	MDL	0	No Data	No Data	No Data	Insufficient Data
14	14-MUL-2	Mullica River @ Outlet of Atsion Lake	Chromium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
14	14-MUL-2	Mullica River @ Outlet of Atsion Lake	Copper	3	NA	0	0	0	No Data	No Data	No Data	Insufficient Data
14	14-MUL-2	Mullica River @ Outlet of Atsion Lake	Lead	3	0	0	MDL	0	No Data	No Data	No Data	Insufficient Data
14	14-MUL-2	Mullica River @ Outlet of Atsion Lake	Mercury	3	0	0	QA	0	No Data	No Data	No Data	Insufficient Data
14	14-MUL-2	Mullica River @ Outlet of Atsion Lake	Nickel	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
14	14-MUL-2	Mullica River @ Outlet of Atsion Lake	Selenium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
14	14-MUL-2	Mullica River @ Outlet of Atsion Lake	Silver	0	No Data	No Data	NA	0	No Data	No Data	No Data	No Data
14	14-MUL-2	Mullica River @ Outlet of Atsion Lake	Zinc	3	NA	0	0	0	No Data	No Data	No Data	Insufficient Data
14	14-EBR-1	East Branch Bass River by 654, Bass River SF	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data	Insufficient Data
14	14-EBR-1	East Branch Bass River by 654, Bass River SF	Cadmium	3	0	MDL	MDL	0	No Data	No Data	No Data	Insufficient Data
14	14-EBR-1	East Branch Bass River by 654, Bass River SF	Chromium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
14	14-EBR-1	East Branch Bass River by 654, Bass River SF	Copper	3	NA	1	1	0	No Data	No Data	No Data	Not Attain
14	14-EBR-1	East Branch Bass River by 654, Bass River SF	Lead	3	0	0	MDL	0	No Data	No Data	No Data	Insufficient Data
14	14-EBR-1	East Branch Bass River by 654, Bass River SF	Mercury	3	0	0	QA	0	No Data	No Data	No Data	Insufficient Data
14	14-EBR-1	East Branch Bass River by 654, Bass River SF	Nickel	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
14	14-EBR-1	East Branch Bass River by 654, Bass River SF	Selenium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
14	14-EBR-1	East Branch Bass River by 654, Bass River SF	Silver	0	No Data	No Data	NA	0	No Data	No Data	No Data	No Data
14	14-EBR-1	East Branch Bass River by 654, Bass River SF	Zinc	3	NA	0	0	0	No Data	No Data	No Data	Insufficient Data

Table II-15. Data Summary of Metals in the the Atlantic Coast Region

303d Site ID	Monitoring Location	1998 303d List Page	Candidate List Category	Notes
NA	Great Egg Harbor River - Tidal	A73	5	Reach 02040302-010
NA	Great Egg Harbor River - Tidal	A73	5	Reach 02040302-010
NA	Great Egg Harbor River - Tidal	A73	5	Reach 02040302-010
NA	Great Egg Harbor River - Tidal	NA	3	Reach 02040302-010
NA	Great Egg Harbor River - Tidal	A73	5	Reach 02040302-010
NA	Great Egg Harbor River - Tidal	A73	5	Reach 02040302-010
NA	Great Egg Harbor River - Tidal	A73	5	Reach 02040302-010
NA	Great Egg Harbor River - Tidal	NA	3	Reach 02040302-010
NA	Great Egg Harbor River - Tidal	NA	3	Reach 02040302-010
NA	Great Egg Harbor River - Tidal	A73	5	Reach 02040302-010
14-MUL-2	Mullica River @ Outlet of Atsion Lake	NA	3	
14-MUL-2	Mullica River @ Outlet of Atsion Lake	NA	3	
14-MUL-2	Mullica River @ Outlet of Atsion Lake	NA	3	
14-MUL-2	Mullica River @ Outlet of Atsion Lake	A75	5	
14-MUL-2	Mullica River @ Outlet of Atsion Lake	A75	5	
14-MUL-2	Mullica River @ Outlet of Atsion Lake	NA	3	Detectable Hg in Blank
14-MUL-2	Mullica River @ Outlet of Atsion Lake	NA	3	
14-MUL-2	Mullica River @ Outlet of Atsion Lake	NA	3	
14-MUL-2	Mullica River @ Outlet of Atsion Lake	NA	3	
14-MUL-2	Mullica River @ Outlet of Atsion Lake	A75	5	
14-EBR-1	East Branch Bass River by 654, Bass River SF	NA	3	
14-EBR-1	East Branch Bass River by 654, Bass River SF	NA	3	
14-EBR-1	East Branch Bass River by 654, Bass River SF	NA	3	
14-EBR-1	East Branch Bass River by 654, Bass River SF	A75	5	
14-EBR-1	East Branch Bass River by 654, Bass River SF	A75	5	
14-EBR-1	East Branch Bass River by 654, Bass River SF	NA	3	Detectable Hg in Blank
14-EBR-1	East Branch Bass River by 654, Bass River SF	NA	3	
14-EBR-1	East Branch Bass River by 654, Bass River SF	NA	3	
14-EBR-1	East Branch Bass River by 654, Bass River SF	NA	3	
14-EBR-1	East Branch Bass River by 654, Bass River SF	A75	5	

Table II-16. Data Summary of Metals in the Lower Delaware Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	Assessment Result
17	17-COH-1	Cohansey River at Seeley	Arsenic	3	MDL	0	0	0	No Data	No Data	NA	Insufficient Data
17	17-COH-1	Cohansey River at Seeley	Cadmium	3	0	0	MDL	0	No Data	No Data	NA	Insufficient Data
17	17-COH-1	Cohansey River at Seeley	Chromium	3	0	0	0	0	No Data	No Data	NA	Insufficient Data
17	17-COH-1	Cohansey River at Seeley	Copper	3	NA	0	0	0	NA	No Data	NA	Insufficient Data
17	17-COH-1	Cohansey River at Seeley	Lead	3	0	0	0	0	No Data	No Data	NA	Insufficient Data
17	17-COH-1	Cohansey River at Seeley	Mercury	3	0	0	MDL	0	No Data	No Data	NA	Insufficient Data
17	17-COH-1	Cohansey River at Seeley	Nickel	3	0	0	0	0	No Data	No Data	NA	Insufficient Data
17	17-COH-1	Cohansey River at Seeley	Selenium	3	0	0	0	0	No Data	No Data	NA	Insufficient Data
17	17-COH-1	Cohansey River at Seeley	Silver	3	0	0	NA	0	No Data	No Data	NA	Insufficient Data
17	17-COH-1	Cohansey River at Seeley	Thallium	3	0	NA	NA	0	No Data	NA	NA	Insufficient Data
17	17-COH-1	Cohansey River at Seeley	Zinc	3	NA	0	0	0	NA	No Data	No Data	Insufficient Data
17	17-HUD-1	Hudson Branch @ Vineland	Arsenic	3	3	0	0	0	No Data	No Data	No Data	Not Attain
17	17-HUD-1	Hudson Branch @ Vineland	Cadmium	3	0	0	MDL	0	No Data	No Data	No Data	Insufficient Data
17	17-HUD-1	Hudson Branch @ Vineland	Chromium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
17	17-HUD-1	Hudson Branch @ Vineland	Copper	3	NA	0	0	0	NA	No Data	No Data	Insufficient Data
17	17-HUD-1	Hudson Branch @ Vineland	Lead	3	0	0	MDL	0	No Data	No Data	No Data	Insufficient Data
17	17-HUD-1	Hudson Branch @ Vineland	Mercury	3	0	0	QA	0	No Data	No Data	No Data	Insufficient Data
17	17-HUD-1	Hudson Branch @ Vineland	Nickel	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
17	17-HUD-1	Hudson Branch @ Vineland	Selenium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
17	17-HUD-1	Hudson Branch @ Vineland	Silver	2	0	0	NA	0	No Data	No Data	NA	Insufficient Data
17	17-HUD-1	Hudson Branch @ Vineland	Thallium	2	0	NA	NA	0	No Data	NA	NA	Insufficient Data
17	17-HUD-1	Hudson Branch @ Vineland	Zinc	3	NA	0	0	0	NA	No Data	No Data	Insufficient Data
17	17-MAU-1	Maurice River nr Millville	Arsenic	3	3	0	0	0	No Data	No Data	NA	Not Attain
17	17-MAU-1	Maurice River nr Millville	Cadmium	3	0	0	MDL	0	No Data	No Data	NA	Insufficient Data
17	17-MAU-1	Maurice River nr Millville	Chromium	3	0	0	0	0	No Data	No Data	NA	Insufficient Data
17	17-MAU-1	Maurice River nr Millville	Copper	3	NA	0	0	0	NA	No Data	NA	Insufficient Data
17	17-MAU-1	Maurice River nr Millville	Lead	3	0	0	MDL	0	No Data	No Data	NA	Insufficient Data
17	17-MAU-1	Maurice River nr Millville	Mercury	3	0	0	2	0	No Data	No Data	No Data	Not Attain
17	17-MAU-1	Maurice River nr Millville	Nickel	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
17	17-MAU-1	Maurice River nr Millville	Selenium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
17	17-MAU-1	Maurice River nr Millville	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
17	17-MAU-1	Maurice River nr Millville	Zinc	3	NA	0	0	0	NA	No Data	No Data	Insufficient Data
18	18-BIG-1	Big Timber Creek at Blackwood Terrace	Arsenic	3	MDL	0	0	3	2	0	0	Not Attain
18	18-BIG-1	Big Timber Creek at Blackwood Terrace	Cadmium	3	0	0	MDL	3	0	0	MDL	Insufficient Data
18	18-BIG-1	Big Timber Creek at Blackwood Terrace	Chromium	3	0	0	0	3	0	0	0	Attain
18	18-BIG-1	Big Timber Creek at Blackwood Terrace	Copper	3	NA	0	0	3	NA	0	0	Attain
18	18-BIG-1	Big Timber Creek at Blackwood Terrace	Lead	3	0	0	MDL	3	0	0	2	Not Attain
18	18-BIG-1	Big Timber Creek at Blackwood Terrace	Mercury	3	0	0	MDL	3	0	0	MDL	Insufficient Data
18	18-BIG-1	Big Timber Creek at Blackwood Terrace	Nickel	3	0	0	0	3	0	0	0	Attain

Table II-16. Data Summary of Metals in the Lower Delaware Region

303d Site ID	Monitoring Location	1998 303d List Page	Candidate List Category	Notes
17-COH-1	Cohansey River at Seeley	NA	3	No elevated flow sample
17-COH-1	Cohansey River at Seeley	NA	3	No elevated flow sample
17-COH-1	Cohansey River at Seeley	NA	3	No elevated flow sample
17-COH-1	Cohansey River at Seeley	NA	3	No elevated flow sample
17-COH-1	Cohansey River at Seeley	A94	5	No elevated flow sample
17-COH-1	Cohansey River at Seeley	NA	3	No elevated flow sample
17-COH-1	Cohansey River at Seeley	NA	3	No elevated flow sample
17-COH-1	Cohansey River at Seeley	NA	3	No elevated flow sample
17-COH-1	Cohansey River at Seeley	NA	3	No elevated flow sample
17-COH-1	Cohansey River at Seeley	NA	3	No elevated flow sample
17-COH-1	Cohansey River at Seeley	NA	3	No elevated flow sample
17-COH-1	Cohansey River at Seeley	NA	3	No elevated flow sample
17-HUD-1	Hudson Branch @ Vineland	NA	5	
17-HUD-1	Hudson Branch @ Vineland	NA	3	
17-HUD-1	Hudson Branch @ Vineland	A93	5	
17-HUD-1	Hudson Branch @ Vineland	NA	3	
17-HUD-1	Hudson Branch @ Vineland	NA	3	
17-HUD-1	Hudson Branch @ Vineland	NA	3	QA Issue: Results under review
17-HUD-1	Hudson Branch @ Vineland	NA	3	
17-HUD-1	Hudson Branch @ Vineland	NA	3	
17-HUD-1	Hudson Branch @ Vineland	NA	3	
17-HUD-1	Hudson Branch @ Vineland	NA	3	
17-HUD-1	Hudson Branch @ Vineland	NA	3	
17-HUD-1	Hudson Branch @ Vineland	NA	3	
17-MAU-1	Maurice River nr Millville	A93	5	
17-MAU-1	Maurice River nr Millville	NA	3	
17-MAU-1	Maurice River nr Millville	NA	3	
17-MAU-1	Maurice River nr Millville	NA	3	
17-MAU-1	Maurice River nr Millville	NA	3	
17-MAU-1	Maurice River nr Millville	A93	5	
17-MAU-1	Maurice River nr Millville	NA	5	
17-MAU-1	Maurice River nr Millville	NA	3	
17-MAU-1	Maurice River nr Millville	NA	3	
17-MAU-1	Maurice River nr Millville	NA	3	
17-MAU-1	Maurice River nr Millville	NA	3	
17-MAU-1	Maurice River nr Millville	NA	3	
18-BIG-1	Big Timber Creek at Blackwood Terrace	NA	5	
18-BIG-1	Big Timber Creek at Blackwood Terrace	NA	3	
18-BIG-1	Big Timber Creek at Blackwood Terrace	NA	1	
18-BIG-1	Big Timber Creek at Blackwood Terrace	A91	1	
18-BIG-1	Big Timber Creek at Blackwood Terrace	A91	5	
18-BIG-1	Big Timber Creek at Blackwood Terrace	NA	3	
18-BIG-1	Big Timber Creek at Blackwood Terrace	NA	1	

Table II-16. Data Summary of Metals in the Lower Delaware Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	Assessment Result
18	18-BIG-1	Big Timber Creek at Blackwood Terrace	Selenium	3	0	0	0	3	0	0	0	Attain
18	18-BIG-1	Big Timber Creek at Blackwood Terrace	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
18	18-BIG-1	Big Timber Creek at Blackwood Terrace	Zinc	3	NA	0	0	3	NA	0	0	Attain
18	18-CO-1	Cooper River at Rte 130, Camden	Arsenic	3	3	0	0	1	1	0	0	Not Attain
18	18-CO-1	Cooper River at Rte 130, Camden	Cadmium	3	0	0	MDL	1	0	0	MDL	Insufficient Data
18	18-CO-1	Cooper River at Rte 130, Camden	Chromium	3	0	0	0	1	0	0	0	Attain
18	18-CO-1	Cooper River at Rte 130, Camden	Copper	3	NA	0	0	1	NA	0	0	Attain
18	18-CO-1	Cooper River at Rte 130, Camden	Lead	3	0	0	0	1	1	0	1	Not Attain
18	18-CO-1	Cooper River at Rte 130, Camden	Mercury	3	0	0	MDL	1	0	0	MDL	Insufficient Data
18	18-CO-1	Cooper River at Rte 130, Camden	Nickel	3	0	0	0	1	0	0	0	Attain
18	18-CO-1	Cooper River at Rte 130, Camden	Selenium	3	0	0	0	1	0	0	0	Attain
18	18-CO-1	Cooper River at Rte 130, Camden	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
18	18-CO-1	Cooper River at Rte 130, Camden	Tetrachloroethyl	0	No Data	No Data	NA	0	No Data	NA	NA	No Data
18	18-CO-1	Cooper River at Rte 130, Camden	Zinc	3	NA	0	0	1	NA	0	0	Attain
18	18-CO-2	North Br Cooper R, Kresson Rd, Kresson	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data	Insufficient Data
18	18-CO-2	North Br Cooper R, Kresson Rd, Kresson	Cadmium	3	0	0	MDL	0	No Data	No Data	No Data	Insufficient Data
18	18-CO-2	North Br Cooper R, Kresson Rd, Kresson	Chromium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
18	18-CO-2	North Br Cooper R, Kresson Rd, Kresson	Copper	3	NA	0	0	0	NA	No Data	No Data	Insufficient Data
18	18-CO-2	North Br Cooper R, Kresson Rd, Kresson	Lead	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
18	18-CO-2	North Br Cooper R, Kresson Rd, Kresson	Mercury	3	0	0	MDL	0	No Data	No Data	No Data	Insufficient Data
18	18-CO-2	North Br Cooper R, Kresson Rd, Kresson	Nickel	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
18	18-CO-2	North Br Cooper R, Kresson Rd, Kresson	Selenium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
18	18-CO-2	North Br Cooper R, Kresson Rd, Kresson	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
18	18-CO-2	North Br Cooper R, Kresson Rd, Kresson	Zinc	3	NA	0	0	0	NA	No Data	No Data	Insufficient Data
18	18-CO-4	South Br Cooper R, Norcross Ave, Lindenwald	Arsenic	3	MDL	0	0	1	1	0	0	Not Attain
18	18-CO-4	South Br Cooper R, Norcross Ave, Lindenwald	Cadmium	3	0	MDL	MDL	1	0	0	MDL	Insufficient Data
18	18-CO-4	South Br Cooper R, Norcross Ave, Lindenwald	Chromium	3	0	0	0	1	0	0	0	Attain
18	18-CO-4	South Br Cooper R, Norcross Ave, Lindenwald	Copper	3	NA	0	0	1	NA	0	0	Attain

Table II-16. Data Summary of Metals in the Lower Delaware Region

303d Site ID	Monitoring Location	1998 303d List Page	Candidate List Category	Notes
18-BIG-1	Big Timber Creek at Blackwood Terrace	NA	1	
18-BIG-1	Big Timber Creek at Blackwood Terrace	NA	3	
18-BIG-1	Big Timber Creek at Blackwood Terrace	NA	1	
18-CO-1	Cooper River at Rte 130, Camden	A88	5	
18-CO-1	Cooper River at Rte 130, Camden	A88	3	
18-CO-1	Cooper River at Rte 130, Camden	A88	1	
18-CO-1	Cooper River at Rte 130, Camden	A88	1	
18-CO-1	Cooper River at Rte 130, Camden	A88	5	
18-CO-1	Cooper River at Rte 130, Camden	A88	3	
18-CO-1	Cooper River at Rte 130, Camden	NA	1	
18-CO-1	Cooper River at Rte 130, Camden	NA	1	
18-CO-1	Cooper River at Rte 130, Camden	NA	3	
18-CO-1	Cooper River at Rte 130, Camden	A88	5	
18-CO-1	Cooper River at Rte 130, Camden	A88	1	
18-CO-2	North Br Cooper R, Kresson Rd, Kresson	NA	3	
18-CO-2	North Br Cooper R, Kresson Rd, Kresson	NA	3	
18-CO-2	North Br Cooper R, Kresson Rd, Kresson	NA	3	
18-CO-2	North Br Cooper R, Kresson Rd, Kresson	NA	3	
18-CO-2	North Br Cooper R, Kresson Rd, Kresson	NA	3	
18-CO-2	North Br Cooper R, Kresson Rd, Kresson	NA	3	
18-CO-2	North Br Cooper R, Kresson Rd, Kresson	NA	3	
18-CO-2	North Br Cooper R, Kresson Rd, Kresson	NA	3	
18-CO-2	North Br Cooper R, Kresson Rd, Kresson	NA	3	
18-CO-2	North Br Cooper R, Kresson Rd, Kresson	NA	3	
18-CO-2	North Br Cooper R, Kresson Rd, Kresson	NA	3	
18-CO-4	South Br Cooper R, Norcross Ave, Lindenwald	A88	5	
18-CO-4	South Br Cooper R, Norcross Ave, Lindenwald	A88	3	
18-CO-4	South Br Cooper R, Norcross Ave, Lindenwald	A88	1	
18-CO-4	South Br Cooper R, Norcross Ave, Lindenwald	A88	1	

Table II-16. Data Summary of Metals in the Lower Delaware Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	Assessment Result
18	18-CO-4	South Br Cooper R, Norcross Ave, Lindenwald	Lead	3	0	0	3	1	1	0	1	Not Attain
18	18-CO-4	South Br Cooper R, Norcross Ave, Lindenwald	Mercury	3	0	0	MDL	1	0	0	MDL	Insufficient Data
18	18-CO-4	South Br Cooper R, Norcross Ave, Lindenwald	Nickel	3	0	0	0	1	0	0	0	Attain
18	18-CO-4	South Br Cooper R, Norcross Ave, Lindenwald	Selenium	3	0	0	0	1	0	0	0	Attain
18	18-CO-4	South Br Cooper R, Norcross Ave, Lindenwald	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
18	18-CO-4	South Br Cooper R, Norcross Ave, Lindenwald	Tetrachloroethylene	0	No Data	NA	NA	0	No Data	NA	NA	No Data
18	18-CO-4	South Br Cooper R, Norcross Ave, Lindenwald	Zinc	3	NA	0	0	1	NA	0	0	Attain
18	18-PE-1	North Br Pennsauken Creek, Fork Landing Rd, Cinnam	Arsenic	3	3	0	0	2	1	0	0	Not Attain
18	18-PE-1	North Br Pennsauken Creek, Fork Landing Rd, Cinnam	Cadmium	3	0	0	MDL	2	0	0	MDL	Insufficient Data
18	18-PE-1	North Br Pennsauken Creek, Fork Landing Rd, Cinnam	Chromium	3	0	0	0	2	0	0	0	Attain
18	18-PE-1	North Br Pennsauken Creek, Fork Landing Rd, Cinnam	Copper	3	NA	0	0	2	NA	0	0	Attain
18	18-PE-1	North Br Pennsauken Creek, Fork Landing Rd, Cinnam	Lead	3	0	0	0	2	0	0	1	Not Attain
18	18-PE-1	North Br Pennsauken Creek, Fork Landing Rd, Cinnam	Mercury	3	0	0	MDL	2	0	0	MDL	Insufficient Data
18	18-PE-1	North Br Pennsauken Creek, Fork Landing Rd, Cinnam	Nickel	3	0	0	0	2	0	0	0	Attain
18	18-PE-1	North Br Pennsauken Creek, Fork Landing Rd, Cinnam	Selenium	3	0	0	0	2	0	0	0	Attain
18	18-PE-1	North Br Pennsauken Creek, Fork Landing Rd, Cinnam	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
18	18-PE-1	North Br Pennsauken Creek, Fork Landing Rd, Cinnam	Zinc	3	NA	0	0	2	NA	0	0	Attain
18	18-PE-2	North Br Pennsauken Creek, Church Rd, Mt. Laurel	Arsenic	3	MDL	0	0	2	1	0	0	Not Attain
18	18-PE-2	North Br Pennsauken Creek, Church Rd, Mt. Laurel	Cadmium	3	0	0	MDL	2	0	0	MDL	Insufficient Data
18	18-PE-2	North Br Pennsauken Creek, Church Rd, Mt. Laurel	Chromium	3	0	0	0	2	0	0	0	Attain
18	18-PE-2	North Br Pennsauken Creek, Church Rd, Mt. Laurel	Copper	3	NA	0	0	2	NA	0	0	Attain
18	18-PE-2	North Br Pennsauken Creek, Church Rd, Mt. Laurel	Lead	3	0	0	0	2	0	0	1	Not Attain
18	18-PE-2	North Br Pennsauken Creek, Church Rd, Mt. Laurel	Mercury	3	0	0	MDL	2	0	0	MDL	Insufficient Data

Table II-16. Data Summary of Metals in the Lower Delaware Region

303d Site ID	Monitoring Location	1998 303d List Page	Candidate List Category	Notes
18-CO-4	South Br Cooper R, Norcross Ave, Lindenwald	A88	5	
18-CO-4	South Br Cooper R, Norcross Ave, Lindenwald	A88	3	
18-CO-4	South Br Cooper R, Norcross Ave, Lindenwald	NA	1	
18-CO-4	South Br Cooper R, Norcross Ave, Lindenwald	NA	1	
18-CO-4	South Br Cooper R, Norcross Ave, Lindenwald	NA	3	
18-CO-4	South Br Cooper R, Norcross Ave, Lindenwald	A88	5	
18-CO-4	South Br Cooper R, Norcross Ave, Lindenwald	A88	1	
18-PE-1	North Br Pennsauken Creek, Fork Landing Rd, Cinnam	A88	5	
18-PE-1	North Br Pennsauken Creek, Fork Landing Rd, Cinnam	NA	3	
18-PE-1	North Br Pennsauken Creek, Fork Landing Rd, Cinnam	MA	1	
18-PE-1	North Br Pennsauken Creek, Fork Landing Rd, Cinnam	MA	1	
18-PE-1	North Br Pennsauken Creek, Fork Landing Rd, Cinnam	A88	5	
18-PE-1	North Br Pennsauken Creek, Fork Landing Rd, Cinnam	NA	3	
18-PE-1	North Br Pennsauken Creek, Fork Landing Rd, Cinnam	NA	1	
18-PE-1	North Br Pennsauken Creek, Fork Landing Rd, Cinnam	NA	1	
18-PE-1	North Br Pennsauken Creek, Fork Landing Rd, Cinnam	NA	3	
18-PE-1	North Br Pennsauken Creek, Fork Landing Rd, Cinnam	NA	1	
18-PE-2	North Br Pennsauken Creek, Church Rd, Mt. Laurel	A88	5	
18-PE-2	North Br Pennsauken Creek, Church Rd, Mt. Laurel	NA	3	
18-PE-2	North Br Pennsauken Creek, Church Rd, Mt. Laurel	NA	1	
18-PE-2	North Br Pennsauken Creek, Church Rd, Mt. Laurel	NA	1	
18-PE-2	North Br Pennsauken Creek, Church Rd, Mt. Laurel	A88	5	
18-PE-2	North Br Pennsauken Creek, Church Rd, Mt. Laurel	NA	3	

Table II-16. Data Summary of Metals in the Lower Delaware Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	Assessment Result
18	18-PE-2	North Br Pennsauken Creek, Church Rd, Mt. Laurel	Nickel	3	0	0	0	2	0	0	0	Attain
18	18-PE-2	North Br Pennsauken Creek, Church Rd, Mt. Laurel	Selenium	3	0	0	0	2	0	0	0	Attain
18	18-PE-2	North Br Pennsauken Creek, Church Rd, Mt. Laurel	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
18	18-PE-2	North Br Pennsauken Creek, Church Rd, Mt. Laurel	Zinc	3	NA	0	0	2	NA	0	0	Attain
18	18-PE-3	South Br Pennsauken Creek, Greentree Rd, Cherry Hi	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data	Insufficient Data
18	18-PE-3	South Br Pennsauken Creek, Greentree Rd, Cherry Hi	Cadmium	3	0	0	MDL	0	No Data	No Data	No Data	Insufficient Data
18	18-PE-3	South Br Pennsauken Creek, Greentree Rd, Cherry Hi	Chromium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
18	18-PE-3	South Br Pennsauken Creek, Greentree Rd, Cherry Hi	Copper	3	NA	0	0	0	NA	No Data	No Data	Insufficient Data
18	18-PE-3	South Br Pennsauken Creek, Greentree Rd, Cherry Hi	Lead	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
18	18-PE-3	South Br Pennsauken Creek, Greentree Rd, Cherry Hi	Mercury	3	0	0	MDL	0	No Data	No Data	No Data	Insufficient Data
18	18-PE-3	South Br Pennsauken Creek, Greentree Rd, Cherry Hi	Nickel	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
18	18-PE-3	South Br Pennsauken Creek, Greentree Rd, Cherry Hi	Selenium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
18	18-PE-3	South Br Pennsauken Creek, Greentree Rd, Cherry Hi	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
18	18-PE-3	South Br Pennsauken Creek, Greentree Rd, Cherry Hi	Zinc	3	NA	0	0	0	NA	No Data	No Data	Insufficient Data
18	18-RAC-1	Raccoon Creek nr Swedesboro	Arsenic	3	MDL	0	0	1	MDL	0	0	Insufficient Data
18	18-RAC-1	Raccoon Creek nr Swedesboro	Cadmium	3	0	0	MDL	1	0	0	MDL	Insufficient Data
18	18-RAC-1	Raccoon Creek nr Swedesboro	Chromium	3	0	0	0	1	0	0	0	Attain
18	18-RAC-1	Raccoon Creek nr Swedesboro	Copper	3	NA	0	0	1	NA	0	0	Attain
18	18-RAC-1	Raccoon Creek nr Swedesboro	Lead	3	0	0	0	1	0	0	0	Attain
18	18-RAC-1	Raccoon Creek nr Swedesboro	Mercury	3	0	0	MDL	1	0	0	MDL	Insufficient Data
18	18-RAC-1	Raccoon Creek nr Swedesboro	Nickel	3	0	0	0	1	0	0	0	Attain
18	18-RAC-1	Raccoon Creek nr Swedesboro	Selenium	3	0	0	0	1	0	0	0	Attain
18	18-RAC-1	Raccoon Creek nr Swedesboro	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
18	18-RAC-1	Raccoon Creek nr Swedesboro	Zinc	3	NA	0	0	1	NA	0	0	Attain
19	19-RA-1N	North Br Rancocas Creek, below Hanover Lake, Pembe	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data	Insufficient Data
19	19-RA-1N	North Br Rancocas Creek, below Hanover Lake, Pembe	Cadmium	3	0	MDL	MDL	0	No Data	No Data	No Data	Insufficient Data
19	19-RA-1N	North Br Rancocas Creek, below Hanover Lake, Pembe	Chromium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
19	19-RA-1N	North Br Rancocas Creek, below Hanover Lake, Pembe	Copper	3	NA	3	3	0	NA	No Data	No Data	Not Attain

Table II-16. Data Summary of Metals in the Lower Delaware Region

303d Site ID	Monitoring Location	1998 303d List Page	Candidate List Category	Notes
18-PE-2	North Br Pennsauken Creek, Church Rd, Mt. Laurel	NA	1	
18-PE-2	North Br Pennsauken Creek, Church Rd, Mt. Laurel	NA	1	
18-PE-2	North Br Pennsauken Creek, Church Rd, Mt. Laurel	NA	3	
18-PE-2	North Br Pennsauken Creek, Church Rd, Mt. Laurel	NA	1	
18-PE-3	South Br Pennsauken Creek, Greentree Rd, Cherry Hi	A88	5	
18-PE-3	South Br Pennsauken Creek, Greentree Rd, Cherry Hi	NA	3	
18-PE-3	South Br Pennsauken Creek, Greentree Rd, Cherry Hi	NA	3	
18-PE-3	South Br Pennsauken Creek, Greentree Rd, Cherry Hi	NA	3	
18-PE-3	South Br Pennsauken Creek, Greentree Rd, Cherry Hi	NA	3	
18-PE-3	South Br Pennsauken Creek, Greentree Rd, Cherry Hi	NA	3	
18-PE-3	South Br Pennsauken Creek, Greentree Rd, Cherry Hi	NA	3	
18-PE-3	South Br Pennsauken Creek, Greentree Rd, Cherry Hi	NA	3	
18-PE-3	South Br Pennsauken Creek, Greentree Rd, Cherry Hi	NA	3	
18-PE-3	South Br Pennsauken Creek, Greentree Rd, Cherry Hi	NA	3	
18-RAC-1	Raccoon Creek nr Swedesboro	NA	3	
18-RAC-1	Raccoon Creek nr Swedesboro	NA	3	
18-RAC-1	Raccoon Creek nr Swedesboro	NA	1	
18-RAC-1	Raccoon Creek nr Swedesboro	A91	1	
18-RAC-1	Raccoon Creek nr Swedesboro	NA	1	
18-RAC-1	Raccoon Creek nr Swedesboro	NA	3	
18-RAC-1	Raccoon Creek nr Swedesboro	NA	1	
18-RAC-1	Raccoon Creek nr Swedesboro	NA	1	
18-RAC-1	Raccoon Creek nr Swedesboro	NA	3	
18-RAC-1	Raccoon Creek nr Swedesboro	NA	1	
19-RA-1N	North Br Rancocas Creek, below Hanover Lake, Pembe	NA	3	Redesigned ASMN - Statewide Status 2000
19-RA-1N	North Br Rancocas Creek, below Hanover Lake, Pembe	NA	3	Redesigned ASMN - Statewide Status 2000
19-RA-1N	North Br Rancocas Creek, below Hanover Lake, Pembe	NA	3	Redesigned ASMN - Statewide Status 2000
19-RA-1N	North Br Rancocas Creek, below Hanover Lake, Pembe	NA	5	Redesigned ASMN - Statewide Status 2000

Table II-16. Data Summary of Metals in the Lower Delaware Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	Assessment Result
19	19-RA-1N	North Br Rancocas Creek, below Hanover Lake, Pembe	Lead	3	3	3	3	0	No Data	No Data	No Data	Not Attain
19	19-RA-1N	North Br Rancocas Creek, below Hanover Lake, Pembe	Mercury	3	0	0	MDL	0	No Data	No Data	No Data	Insufficient Data
19	19-RA-1N	North Br Rancocas Creek, below Hanover Lake, Pembe	Nickel	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
19	19-RA-1N	North Br Rancocas Creek, below Hanover Lake, Pembe	Selenium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
19	19-RA-1N	North Br Rancocas Creek, below Hanover Lake, Pembe	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
19	19-RA-1N	North Br Rancocas Creek, below Hanover Lake, Pembe	Zinc	3	NA	0	0	0	NA	No Data	No Data	Insufficient Data
19	19-RA-1S	South Br Rancocas Creek, Rte 38, Hainsport	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data	Insufficient Data
19	19-RA-1S	South Br Rancocas Creek, Rte 38, Hainsport	Cadmium	3	0	0	MDL	0	No Data	No Data	No Data	Insufficient Data
19	19-RA-1S	South Br Rancocas Creek, Rte 38, Hainsport	Chromium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
19	19-RA-1S	South Br Rancocas Creek, Rte 38, Hainsport	Copper	3	NA	0	0	0	NA	No Data	No Data	Insufficient Data
19	19-RA-1S	South Br Rancocas Creek, Rte 38, Hainsport	Lead	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
19	19-RA-1S	South Br Rancocas Creek, Rte 38, Hainsport	Mercury	3	0	0	MDL	0	No Data	No Data	No Data	Insufficient Data
19	19-RA-1S	South Br Rancocas Creek, Rte 38, Hainsport	Nickel	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
19	19-RA-1S	South Br Rancocas Creek, Rte 38, Hainsport	Selenium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
19	19-RA-1S	South Br Rancocas Creek, Rte 38, Hainsport	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
19	19-RA-1S	South Br Rancocas Creek, Rte 38, Hainsport	Zinc	3	NA	0	0	0	NA	No Data	No Data	Insufficient Data
19	19-RA-2S	South West Br Rancocas Creek, Rte 70, Medford	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data	Insufficient Data
19	19-RA-2S	South West Br Rancocas Creek, Rte 70, Medford	Cadmium	3	0	0	MDL	0	No Data	No Data	No Data	Insufficient Data
19	19-RA-2S	South West Br Rancocas Creek, Rte 70, Medford	Copper	3	NA	0	0	0	NA	No Data	No Data	Insufficient Data
19	19-RA-2S	South West Br Rancocas Creek, Rte 70, Medford	Lead	3	0	0	MDL	0	No Data	No Data	No Data	Insufficient Data
19	19-RA-2S	South West Br Rancocas Creek, Rte 70, Medford	Mercury	3	0	0	MDL	0	No Data	No Data	No Data	Insufficient Data
19	19-RA-2S	South West Br Rancocas Creek, Rte 70, Medford	Nickel	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
19	19-RA-2S	South West Br Rancocas Creek, Rte 70, Medford	Selenium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data

Table II-16. Data Summary of Metals in the Lower Delaware Region

[illegible]

Table II-16. Data Summary of Metals in the Lower Delaware Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	Assessment Result
19	19-RA-2S	South West Br Rancocas Creek, Rte 70, Medford	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
19	19-RA-2S	South West Br Rancocas Creek, Rte 70, Medford	Zinc	3	NA	0	0	0	NA	No Data	No Data	Insufficient Data
19	19-RA-3N	North Br Rancocas Creek, Hanover St, Pemberton	Arsenic	3	MDL	0	0	2	MDL	0	0	Insufficient Data
19	19-RA-3N	North Br Rancocas Creek, Hanover St, Pemberton	Cadmium	3	0	MDL	MDL	2	0	MDL	MDL	Insufficient Data
19	19-RA-3N	North Br Rancocas Creek, Hanover St, Pemberton	Chromium	3	0	0	0	2	0	0	0	Attain
19	19-RA-3N	North Br Rancocas Creek, Hanover St, Pemberton	Copper	3	NA	0	3	2	NA	1	1	Not Attain
19	19-RA-3N	North Br Rancocas Creek, Hanover St, Pemberton	Lead	3	2	0	3	2	0	1	2	Not Attain
19	19-RA-3N	North Br Rancocas Creek, Hanover St, Pemberton	Mercury	3	0	0	MDL	2	0	0	MDL	Insufficient Data
19	19-RA-3N	North Br Rancocas Creek, Hanover St, Pemberton	Nickel	3	0	0	0	2	0	0	0	Attain
19	19-RA-3N	North Br Rancocas Creek, Hanover St, Pemberton	Selenium	3	0	0	0	2	0	0	0	Attain
19	19-RA-3N	North Br Rancocas Creek, Hanover St, Pemberton	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
19	19-RA-3N	North Br Rancocas Creek, Hanover St, Pemberton	Zinc	3	NA	0	0	2	NA	0	0	Attain
19	19-RA-3S	South Br Rancocas Creek, Ridge Rd, Southampton	Arsenic	3	MDL	0	0	2	MDL	0	0	Insufficient Data
19	19-RA-3S	South Br Rancocas Creek, Ridge Rd, Southampton	Cadmium	3	0	MDL	MDL	2	0	MDL	MDL	Insufficient Data
19	19-RA-3S	South Br Rancocas Creek, Ridge Rd, Southampton	Chromium	3	0	0	0	2	0	0	0	Attain
19	19-RA-3S	South Br Rancocas Creek, Ridge Rd, Southampton	Copper	3	NA	0	0	2	NA	0	0	Attain
19	19-RA-3S	South Br Rancocas Creek, Ridge Rd, Southampton	Lead	3	0	0	MDL	2	0	0	2	Not Attain
19	19-RA-3S	South Br Rancocas Creek, Ridge Rd, Southampton	Mercury	3	0	0	MDL	2	0	0	MDL	Insufficient Data
19	19-RA-3S	South Br Rancocas Creek, Ridge Rd, Southampton	Nickel	3	0	0	0	2	0	0	0	Attain
19	19-RA-3S	South Br Rancocas Creek, Ridge Rd, Southampton	Selenium	3	0	0	0	2	0	0	0	Attain
19	19-RA-3S	South Br Rancocas Creek, Ridge Rd, Southampton	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
19	19-RA-3S	South Br Rancocas Creek, Ridge Rd, Southampton	Zinc	3	NA	0	0	2	NA	0	0	Attain
19	19-RA-4N	North Br Rancocas Creek, off Pine St, Mt. Holly	Arsenic	3	MDL	0	0	2	MDL	0	0	Insufficient Data

Table II-16. Data Summary of Metals in the Lower Delaware Region

303d Site ID	Monitoring Location	1998 303d List Page	Candidate List Category	Notes
19-RA-2S	South West Br Rancocas Creek, Rte 70, Medford	NA	3	
19-RA-2S	South West Br Rancocas Creek, Rte 70, Medford	NA	3	
19-RA-3N	North Br Rancocas Creek, Hanover St, Pemberton	NA	3	
19-RA-3N	North Br Rancocas Creek, Hanover St, Pemberton	NA	3	
19-RA-3N	North Br Rancocas Creek, Hanover St, Pemberton	NA	1	
19-RA-3N	North Br Rancocas Creek, Hanover St, Pemberton	A87	5	
19-RA-3N	North Br Rancocas Creek, Hanover St, Pemberton	A87	5	
19-RA-3N	North Br Rancocas Creek, Hanover St, Pemberton	A87	3	
19-RA-3N	North Br Rancocas Creek, Hanover St, Pemberton	NA	1	
19-RA-3N	North Br Rancocas Creek, Hanover St, Pemberton	NA	1	
19-RA-3N	North Br Rancocas Creek, Hanover St, Pemberton	NA	3	
19-RA-3N	North Br Rancocas Creek, Hanover St, Pemberton	A87	1	
19-RA-3S	South Br Rancocas Creek, Ridge Rd, Southampton	NA	3	
19-RA-3S	South Br Rancocas Creek, Ridge Rd, Southampton	NA	3	
19-RA-3S	South Br Rancocas Creek, Ridge Rd, Southampton	NA	1	
19-RA-3S	South Br Rancocas Creek, Ridge Rd, Southampton	A87	1	
19-RA-3S	South Br Rancocas Creek, Ridge Rd, Southampton	A87	5	
19-RA-3S	South Br Rancocas Creek, Ridge Rd, Southampton	NA	3	
19-RA-3S	South Br Rancocas Creek, Ridge Rd, Southampton	NA	1	
19-RA-3S	South Br Rancocas Creek, Ridge Rd, Southampton	NA	1	
19-RA-3S	South Br Rancocas Creek, Ridge Rd, Southampton	NA	3	
19-RA-3S	South Br Rancocas Creek, Ridge Rd, Southampton	NA	1	
19-RA-4N	North Br Rancocas Creek, off Pine St, Mt. Holly	NA	3	

Table II-16. Data Summary of Metals in the Lower Delaware Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	Assessment Result
19	19-RA-4N	North Br Rancocas Creek, off Pine St, Mt. Holly	Cadmium	3	0	MDL	MDL	2	0	MDL	MDL	Insufficient Data
19	19-RA-4N	North Br Rancocas Creek, off Pine St, Mt. Holly	Chromium	3	0	0	0	2	0	0	0	Attain
19	19-RA-4N	North Br Rancocas Creek, off Pine St, Mt. Holly	Copper	3	NA	0	0	2	NA	1	1	Not Attain
19	19-RA-4N	North Br Rancocas Creek, off Pine St, Mt. Holly	Lead	3	0	0	MDL	2	0	1	2	Not Attain
19	19-RA-4N	North Br Rancocas Creek, off Pine St, Mt. Holly	Mercury	3	0	0	MDL	2	0	0	MDL	Insufficient Data
19	19-RA-4N	North Br Rancocas Creek, off Pine St, Mt. Holly	Nickel	3	0	0	0	2	0	0	0	Attain
19	19-RA-4N	North Br Rancocas Creek, off Pine St, Mt. Holly	Selenium	3	0	0	0	2	0	0	0	Attain
19	19-RA-4N	North Br Rancocas Creek, off Pine St, Mt. Holly	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
19	19-RA-4N	North Br Rancocas Creek, off Pine St, Mt. Holly	Zinc	3	NA	0	0	2	NA	0	0	Attain
20	20-AS-1	Assiscunk Creek, Cedar Lane, Springfield	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data	Insufficient Data
20	20-AS-1	Assiscunk Creek, Cedar Lane, Springfield	Cadmium	3	0	MDL	MDL	0	No Data	No Data	No Data	Insufficient Data
20	20-AS-1	Assiscunk Creek, Cedar Lane, Springfield	Chromium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
20	20-AS-1	Assiscunk Creek, Cedar Lane, Springfield	Copper	3	NA	0	0	0	NA	No Data	No Data	Insufficient Data
20	20-AS-1	Assiscunk Creek, Cedar Lane, Springfield	Lead	3	0	MDL	MDL	0	No Data	No Data	No Data	Insufficient Data
20	20-AS-1	Assiscunk Creek, Cedar Lane, Springfield	Mercury	3	0	0	MDL	0	No Data	No Data	No Data	Insufficient Data
20	20-AS-1	Assiscunk Creek, Cedar Lane, Springfield	Nickel	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
20	20-AS-1	Assiscunk Creek, Cedar Lane, Springfield	Selenium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
20	20-AS-1	Assiscunk Creek, Cedar Lane, Springfield	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
20	20-AS-1	Assiscunk Creek, Cedar Lane, Springfield	Zinc	3	NA	0	0	0	NA	No Data	No Data	Insufficient Data
20	20-CRO-1	Crosswicks Creek @ Extonville	Arsenic	3	MDL	0	0	1	MDL	0	0	Insufficient Data
20	20-CRO-1	Crosswicks Creek @ Extonville	Cadmium	3	0	0	MDL	1	0	0	MDL	Insufficient Data
20	20-CRO-1	Crosswicks Creek @ Extonville	Chromium	3	0	0	0	1	0	0	0	Attain
20	20-CRO-1	Crosswicks Creek @ Extonville	Copper	3	NA	0	0	1	NA	0	0	Attain
20	20-CRO-1	Crosswicks Creek @ Extonville	Lead	3	0	0	0	1	0	0	0	Attain
20	20-CRO-1	Crosswicks Creek @ Extonville	Mercury	3	0	0	MDL	1	0	0	MDL	Insufficient Data
20	20-CRO-1	Crosswicks Creek @ Extonville	Nickel	3	0	0	0	1	0	0	0	Attain
20	20-CRO-1	Crosswicks Creek @ Extonville	Selenium	3	0	0	0	1	0	0	0	Attain

Table II-16. Data Summary of Metals in the Lower Delaware Region

303d Site ID	Monitoring Location	1998 303d List Page	Candidate List Category	Notes
19-RA-4N	North Br Rancocas Creek, off Pine St, Mt. Holly	NA	3	
19-RA-4N	North Br Rancocas Creek, off Pine St, Mt. Holly	NA	1	
19-RA-4N	North Br Rancocas Creek, off Pine St, Mt. Holly	NA	5	
19-RA-4N	North Br Rancocas Creek, off Pine St, Mt. Holly	NA	5	
19-RA-4N	North Br Rancocas Creek, off Pine St, Mt. Holly	A87	3	
19-RA-4N	North Br Rancocas Creek, off Pine St, Mt. Holly	NA	1	
19-RA-4N	North Br Rancocas Creek, off Pine St, Mt. Holly	NA	1	
19-RA-4N	North Br Rancocas Creek, off Pine St, Mt. Holly	NA	3	
19-RA-4N	North Br Rancocas Creek, off Pine St, Mt. Holly	NA	1	
20-AS-1	Assiscunk Creek, Cedar Lane, Springfield	A94	5	
20-AS-1	Assiscunk Creek, Cedar Lane, Springfield	A94	5	
20-AS-1	Assiscunk Creek, Cedar Lane, Springfield	A94	5	
20-AS-1	Assiscunk Creek, Cedar Lane, Springfield	NA	3	
20-AS-1	Assiscunk Creek, Cedar Lane, Springfield	A94	5	
20-AS-1	Assiscunk Creek, Cedar Lane, Springfield	A94	5	
20-AS-1	Assiscunk Creek, Cedar Lane, Springfield	NA	3	
20-AS-1	Assiscunk Creek, Cedar Lane, Springfield	NA	3	
20-AS-1	Assiscunk Creek, Cedar Lane, Springfield	NA	3	
20-AS-1	Assiscunk Creek, Cedar Lane, Springfield	NA	3	
20-CRO-1	Crosswicks Creek @ Extonville	A95	3	
20-CRO-1	Crosswicks Creek @ Extonville	NA	3	
20-CRO-1	Crosswicks Creek @ Extonville	NA	1	
20-CRO-1	Crosswicks Creek @ Extonville	NA	1	
20-CRO-1	Crosswicks Creek @ Extonville	A95	1	
20-CRO-1	Crosswicks Creek @ Extonville	NA	3	
20-CRO-1	Crosswicks Creek @ Extonville	NA	1	
20-CRO-1	Crosswicks Creek @ Extonville	NA	1	

Table II-16. Data Summary of Metals in the Lower Delaware Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	Assessment Result
20	20-CRO-1	Crosswicks Creek @ Extonville	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
20	20-CRO-1	Crosswicks Creek @ Extonville	Zinc	3	NA	0	0	1	NA	0	0	Attain
20	20-CRO-2	Crosswicks Creek @ in Groveville	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data	Insufficient Data
20	20-CRO-2	Crosswicks Creek @ in Groveville	Cadmium	3	0	0	MDL	0	No Data	No Data	No Data	Insufficient Data
20	20-CRO-2	Crosswicks Creek @ in Groveville	Chromium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
20	20-CRO-2	Crosswicks Creek @ in Groveville	Copper	3	NA	0	0	0	NA	No Data	No Data	Insufficient Data
20	20-CRO-2	Crosswicks Creek @ in Groveville	Lead	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
20	20-CRO-2	Crosswicks Creek @ in Groveville	Mercury	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
20	20-CRO-2	Crosswicks Creek @ in Groveville	Nickel	3	0	0	MDL	0	No Data	No Data	No Data	Insufficient Data
20	20-CRO-2	Crosswicks Creek @ in Groveville	Selenium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
20	20-CRO-2	Crosswicks Creek @ in Groveville	Silver	0	No Data	No Data	No Data	0	No Data	No Data	NA	No Data
20	20-CRO-2	Crosswicks Creek @ in Groveville	Zinc	3	NA	0	0	0	NA	No Data	No Data	Insufficient Data

Table II-17. Data Summary of Metals in the Northwest Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	Assessment Result
1	1-MUS-3	Musconetcong River on Kings Hwy in Beattystown	Arsenic	3	MDL	0	0	2	1	0	0	Not Attain
1	1-MUS-3	Musconetcong River on Kings Hwy in Beattystown	Cadmium	3	0	0	0	2	0	0	0	Attain
1	1-MUS-3	Musconetcong River on Kings Hwy in Beattystown	Chromium	3	0	0	0	2	0	0	0	Attain
1	1-MUS-3	Musconetcong River on Kings Hwy in Beattystown	Copper	3	NA	0	0	2	NA	0	0	Attain
1	1-MUS-3	Musconetcong River on Kings Hwy in Beattystown	Lead	3	0	0	0	2	0	0	0	Attain
1	1-MUS-3	Musconetcong River on Kings Hwy in Beattystown	Mercury	3	0	0	MDL	2	0	0	MDL	Insufficient Data
1	1-MUS-3	Musconetcong River on Kings Hwy in Beattystown	Nickel	3	0	0	0	2	0	0	0	Attain
1	1-MUS-3	Musconetcong River on Kings Hwy in Beattystown	Selenium	3	0	0	0	2	0	0	0	Attain
1	1-MUS-3	Musconetcong River on Kings Hwy in Beattystown	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
1	1-MUS-3	Musconetcong River on Kings Hwy in Beattystown	Zinc	3	NA	0	0	2	NA	0	0	Attain
1	1-MUS-4	Musconetcong River on Person Rd. near Bloomsbury	Arsenic	3	MDL	0	0	2	MDL	0	0	Insufficient Data
1	1-MUS-4	Musconetcong River on Person Rd. near Bloomsbury	Cadmium	3	0	0	0	2	0	0	0	Attain
1	1-MUS-4	Musconetcong River on Person Rd. near Bloomsbury	Chromium	3	0	0	0	2	0	0	0	Attain
1	1-MUS-4	Musconetcong River on Person Rd. near Bloomsbury	Copper	3	NA	0	0	2	NA	0	0	Attain
1	1-MUS-4	Musconetcong River on Person Rd. near Bloomsbury	Lead	3	0	0	0	2	0	0	0	Attain
1	1-MUS-4	Musconetcong River on Person Rd. near Bloomsbury	Mercury	3	0	0	MDL	2	0	0	MDL	Insufficient Data
1	1-MUS-4	Musconetcong River on Person Rd. near Bloomsbury	Nickel	3	0	0	0	2	0	0	0	Attain
1	1-MUS-4	Musconetcong River on Person Rd. near Bloomsbury	Selenium	3	0	0	0	2	0	0	0	Attain
1	1-MUS-4	Musconetcong River on Person Rd. near Bloomsbury	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
1	1-MUS-4	Musconetcong River on Person Rd. near Bloomsbury	Zinc	3	NA	0	0	2	NA	0	0	Attain
1	1-MUS-5	Musconetcong River on River Rd. at Riegelsville	Arsenic	3	MDL	0	0	2	MDL	0	0	Insufficient Data
1	1-MUS-5	Musconetcong River on River Rd. at Riegelsville	Cadmium	3	0	0	0	2	0	0	0	Attain
1	1-MUS-5	Musconetcong River on River Rd. at Riegelsville	Chromium	3	0	0	0	2	0	0	0	Attain
1	1-MUS-5	Musconetcong River on River Rd. at Riegelsville	Copper	3	NA	0	0	2	NA	0	0	Attain
1	1-MUS-5	Musconetcong River on River Rd. at Riegelsville	Lead	3	0	0	0	2	0	0	0	Attain
1	1-MUS-5	Musconetcong River on River Rd. at Riegelsville	Mercury	3	0	0	MDL	2	0	0	MDL	Insufficient Data
1	1-MUS-5	Musconetcong River on River Rd. at Riegelsville	Nickel	3	0	0	0	2	0	0	0	Attain
1	1-MUS-5	Musconetcong River on River Rd. at Riegelsville	Selenium	3	0	0	0	2	0	0	0	Attain
1	1-MUS-5	Musconetcong River on River Rd. at Riegelsville	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
1	1-MUS-5	Musconetcong River on River Rd. at Riegelsville	Zinc	3	NA	0	0	2	NA	0	0	Attain
1	1-PAU-1	Paulins Kill on Route 626 in Balesville	Arsenic	3	3	0	0	1	MDL	0	0	Not Attain
1	1-PAU-1	Paulins Kill on Route 626 in Balesville	Cadmium	3	0	0	0	1	0	0	0	Attain
1	1-PAU-1	Paulins Kill on Route 626 in Balesville	Chromium	3	0	0	0	1	0	0	0	Attain
1	1-PAU-1	Paulins Kill on Route 626 in Balesville	Copper	3	NA	0	0	1	NA	0	0	Attain
1	1-PAU-1	Paulins Kill on Route 626 in Balesville	Lead	3	0	0	0	1	0	0	0	Attain
1	1-PAU-1	Paulins Kill on Route 626 in Balesville	Mercury	3	0	0	MDL	1	0	0	MDL	Insufficient Data
1	1-PAU-1	Paulins Kill on Route 626 in Balesville	Nickel	3	0	0	0	1	0	0	0	Attain
1	1-PAU-1	Paulins Kill on Route 626 in Balesville	Selenium	3	0	0	0	1	0	0	0	Attain
1	1-PAU-1	Paulins Kill on Route 626 in Balesville	Silver	0	No Data	No Data	NA	1	No Data	No Data	NA	No Data
1	1-PAU-1	Paulins Kill on Route 626 in Balesville	Zinc	3	NA	0	0	1	NA	0	0	Attain
1	1-PEQ-2	Pequest River on Rte 625 in Pequest	Arsenic	3	MDL	0	0	2	MDL	0	0	Insufficient Data
1	1-PEQ-2	Pequest River on Rte 625 in Pequest	Cadmium	3	0	0	0	2	0	0	0	Attain
1	1-PEQ-2	Pequest River on Rte 625 in Pequest	Chromium	3	0	0	0	2	0	0	0	Attain
1	1-PEQ-2	Pequest River on Rte 625 in Pequest	Copper	3	NA	0	0	2	NA	0	0	Attain
1	1-PEQ-2	Pequest River on Rte 625 in Pequest	Lead	3	0	0	0	2	0	0	0	Attain

Table II-17. Data Summary of Metals in the Northwest Region

303d Site ID	Monitoring Location	1998 303d List Page	Candidate List Category	Notes
1-MUS-3	Musconetcong River on Kings Hwy in Beattystown	A84	5	
1-MUS-3	Musconetcong River on Kings Hwy in Beattystown	A84	1	
1-MUS-3	Musconetcong River on Kings Hwy in Beattystown	A84	1	
1-MUS-3	Musconetcong River on Kings Hwy in Beattystown	A84	1	
1-MUS-3	Musconetcong River on Kings Hwy in Beattystown	A84	1	
1-MUS-3	Musconetcong River on Kings Hwy in Beattystown	A84	3	
1-MUS-3	Musconetcong River on Kings Hwy in Beattystown	NA	1	
1-MUS-3	Musconetcong River on Kings Hwy in Beattystown	NA	1	
1-MUS-3	Musconetcong River on Kings Hwy in Beattystown	NA	3	
1-MUS-3	Musconetcong River on Kings Hwy in Beattystown	NA	1	
1-MUS-4	Musconetcong River on Person Rd. near Bloomsbury	A84	3	
1-MUS-4	Musconetcong River on Person Rd. near Bloomsbury	A84	1	
1-MUS-4	Musconetcong River on Person Rd. near Bloomsbury	A84	1	
1-MUS-4	Musconetcong River on Person Rd. near Bloomsbury	A84	1	
1-MUS-4	Musconetcong River on Person Rd. near Bloomsbury	A84	3	
1-MUS-4	Musconetcong River on Person Rd. near Bloomsbury	NA	1	
1-MUS-4	Musconetcong River on Person Rd. near Bloomsbury	NA	1	
1-MUS-4	Musconetcong River on Person Rd. near Bloomsbury	NA	3	
1-MUS-4	Musconetcong River on Person Rd. near Bloomsbury	NA	1	
1-MUS-5	Musconetcong River on River Rd. at Riegelsville	A84	3	
1-MUS-5	Musconetcong River on River Rd. at Riegelsville	A84	1	
1-MUS-5	Musconetcong River on River Rd. at Riegelsville	A84	1	
1-MUS-5	Musconetcong River on River Rd. at Riegelsville	A84	1	
1-MUS-5	Musconetcong River on River Rd. at Riegelsville	A84	1	
1-MUS-5	Musconetcong River on River Rd. at Riegelsville	A84	3	
1-MUS-5	Musconetcong River on River Rd. at Riegelsville	NA	1	
1-MUS-5	Musconetcong River on River Rd. at Riegelsville	NA	1	
1-MUS-5	Musconetcong River on River Rd. at Riegelsville	NA	3	
1-MUS-5	Musconetcong River on River Rd. at Riegelsville	NA	1	
1-PAU-1	Paulins Kill on Route 626 in Balesville	NA	5	
1-PAU-1	Paulins Kill on Route 626 in Balesville	A83	1	
1-PAU-1	Paulins Kill on Route 626 in Balesville	NA	1	
1-PAU-1	Paulins Kill on Route 626 in Balesville	NA	1	
1-PAU-1	Paulins Kill on Route 626 in Balesville	NA	1	
1-PAU-1	Paulins Kill on Route 626 in Balesville	NA	3	
1-PAU-1	Paulins Kill on Route 626 in Balesville	NA	1	
1-PAU-1	Paulins Kill on Route 626 in Balesville	NA	1	
1-PAU-1	Paulins Kill on Route 626 in Balesville	NA	3	
1-PAU-1	Paulins Kill on Route 626 in Balesville	NA	1	
1-PEQ-2	Pequest River on Rte 625 in Pequest	A83	3	
1-PEQ-2	Pequest River on Rte 625 in Pequest	A83	1	
1-PEQ-2	Pequest River on Rte 625 in Pequest	A83	1	
1-PEQ-2	Pequest River on Rte 625 in Pequest	NA	1	
1-PEQ-2	Pequest River on Rte 625 in Pequest	A83	1	

Table II-17. Data Summary of Metals in the Northwest Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	Assessment Result
1	1-PEQ-2	Pequest River on Rte 625 in Pequest	Mercury	3	0	0	MDL	2	0	0	MDL	Insufficient Data
1	1-PEQ-2	Pequest River on Rte 625 in Pequest	Nickel	3	0	0	0	2	0	0	0	Attain
1	1-PEQ-2	Pequest River on Rte 625 in Pequest	Selenium	3	0	0	0	2	0	0	0	Attain
1	1-PEQ-2	Pequest River on Rte 625 in Pequest	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
1	1-PEQ-2	Pequest River on Rte 625 in Pequest	Zinc	3	NA	0	0	2	NA	0	0	Attain
1	1-PEQ-3	Pequest River on Water St in Belvidere	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data	Insufficient Data
1	1-PEQ-3	Pequest River on Water St in Belvidere	Cadmium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
1	1-PEQ-3	Pequest River on Water St in Belvidere	Chromium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
1	1-PEQ-3	Pequest River on Water St in Belvidere	Copper	3	NA	0	0	0	NA	No Data	No Data	Insufficient Data
1	1-PEQ-3	Pequest River on Water St in Belvidere	Lead	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
1	1-PEQ-3	Pequest River on Water St in Belvidere	Mercury	3	0	0	MDL	0	No Data	No Data	No Data	Insufficient Data
1	1-PEQ-3	Pequest River on Water St in Belvidere	Nickel	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
1	1-PEQ-3	Pequest River on Water St in Belvidere	Selenium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
1	1-PEQ-3	Pequest River on Water St in Belvidere	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
1	1-PEQ-3	Pequest River on Water St in Belvidere	Zinc	3	NA	0	0	0	NA	No Data	No Data	Insufficient Data
1	NA	Delaware River at Easton PA	Arsenic	0	No Data	No Data	No Data	2	No Data	No Data	0	Insufficient Data
1	NA	Delaware River at Easton PA	Cadmium	0	No Data	No Data	No Data	2	No Data	No Data	No Data	No Data
1	NA	Delaware River at Easton PA	Chromium	0	No Data	No Data	No Data	2	0	0	0	Insufficient Data
1	NA	Delaware River at Easton PA	Copper	0	NA	No Data	No Data	2	NA	0	0	Insufficient Data
1	NA	Delaware River at Easton PA	Lead	0	No Data	No Data	No Data	2	0	0	MDL	Insufficient Data
1	NA	Delaware River at Easton PA	Mercury	0	No Data	No Data	No Data	2	0	0	MDL	Insufficient Data
1	NA	Delaware River at Easton PA	Nickel	0	No Data	No Data	No Data	2	0	0	0	Insufficient Data
1	NA	Delaware River at Easton PA	Selenium	0	No Data	No Data	No Data	2	0	0	0	Insufficient Data
1	NA	Delaware River at Easton PA	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
1	NA	Delaware River at Easton PA	Zinc	0	NA	No Data	No Data	2	NA	0	0	Insufficient Data
2	2-PAP-1	Papakating Creek on Rte 23 nr Lower Unionville Rd	Arsenic	3	3	0	0	1	MDL	0	0	Not Attain
2	2-PAP-1	Papakating Creek on Rte 23 nr Lower Unionville Rd	Cadmium	3	0	0	0	1	0	0	MDL	Insufficient Data
2	2-PAP-1	Papakating Creek on Rte 23 nr Lower Unionville Rd	Chromium	3	0	0	0	1	0	0	0	Attain
2	2-PAP-1	Papakating Creek on Rte 23 nr Lower Unionville Rd	Copper	3	NA	0	0	1	NA	0	0	Attain
2	2-PAP-1	Papakating Creek on Rte 23 nr Lower Unionville Rd	Lead	3	0	0	0	1	0	0	0	Attain
2	2-PAP-1	Papakating Creek on Rte 23 nr Lower Unionville Rd	Mercury	3	0	0	MDL	1	0	0	MDL	Insufficient Data
2	2-PAP-1	Papakating Creek on Rte 23 nr Lower Unionville Rd	Nickel	3	0	0	0	1	0	0	0	Attain
2	2-PAP-1	Papakating Creek on Rte 23 nr Lower Unionville Rd	Selenium	3	0	0	0	1	0	0	0	Attain
2	2-PAP-1	Papakating Creek on Rte 23 nr Lower Unionville Rd	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
2	2-PAP-1	Papakating Creek on Rte 23 nr Lower Unionville Rd	Zinc	3	NA	0	0	1	NA	0	0	Attain
2	2-WAL-1	Wallkill River on Maple St nr Police Sta. nr Frank	Arsenic	3	3	0	0	1	1	0	0	Not Attain
2	2-WAL-1	Wallkill River on Maple St nr Police Sta. nr Frank	Cadmium	3	0	0	0	1	0	0	MDL	Insufficient Data
2	2-WAL-1	Wallkill River on Maple St nr Police Sta. nr Frank	Chromium	3	0	0	0	1	0	0	0	Attain
2	2-WAL-1	Wallkill River on Maple St nr Police Sta. nr Frank	Copper	3	NA	0	0	1	NA	0	0	Attain
2	2-WAL-1	Wallkill River on Maple St nr Police Sta. nr Frank	Lead	3	0	0	0	1	0	0	0	Attain
2	2-WAL-1	Wallkill River on Maple St nr Police Sta. nr Frank	Mercury	3	0	0	MDL	1	0	0	MDL	Insufficient Data
2	2-WAL-1	Wallkill River on Maple St nr Police Sta. nr Frank	Nickel	3	0	0	0	1	0	0	0	Attain
2	2-WAL-1	Wallkill River on Maple St nr Police Sta. nr Frank	Selenium	3	0	0	0	1	0	0	0	Attain
2	2-WAL-1	Wallkill River on Maple St nr Police Sta. nr Frank	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
2	2-WAL-1	Wallkill River on Maple St nr Police Sta. nr Frank	Zinc	3	NA	0	0	1	NA	0	0	Attain

Table II-17. Data Summary of Metals in the Northwest Region

303d Site ID	Monitoring Location	1998 303d List Page	Candidate List Category	Notes
1-PEQ-2	Pequest River on Rte 625 in Pequest	A83	3	
1-PEQ-2	Pequest River on Rte 625 in Pequest	NA	1	
1-PEQ-2	Pequest River on Rte 625 in Pequest	NA	1	
1-PEQ-2	Pequest River on Rte 625 in Pequest	NA	3	
1-PEQ-2	Pequest River on Rte 625 in Pequest	NA	1	
1-PEQ-3	Pequest River on Water St in Belvidere	A83	5	
1-PEQ-3	Pequest River on Water St in Belvidere	A83	5	
1-PEQ-3	Pequest River on Water St in Belvidere	A83	5	
1-PEQ-3	Pequest River on Water St in Belvidere	NA	3	
1-PEQ-3	Pequest River on Water St in Belvidere	A83	5	
1-PEQ-3	Pequest River on Water St in Belvidere	A83	5	
1-PEQ-3	Pequest River on Water St in Belvidere	NA	3	
1-PEQ-3	Pequest River on Water St in Belvidere	NA	3	
1-PEQ-3	Pequest River on Water St in Belvidere	NA	3	
1-PEQ-3	Pequest River on Water St in Belvidere	NA	3	
NA	Delaware River at Easton PA	A97	5	DRBC Zone 1 - Reach 02040105-011
NA	Delaware River at Easton PA	A97	5	DRBC Zone 1 - Reach 02040105-011
NA	Delaware River at Easton PA	A97	5	DRBC Zone 1 - Reach 02040105-011
NA	Delaware River at Easton PA	A97	5	DRBC Zone 1 - Reach 02040105-011
NA	Delaware River at Easton PA	A97	5	DRBC Zone 1 - Reach 02040105-011
NA	Delaware River at Easton PA	A97	5	DRBC Zone 1 - Reach 02040105-011
NA	Delaware River at Easton PA	NA	3	DRBC Zone 1 - Reach 02040105-011
NA	Delaware River at Easton PA	NA	3	DRBC Zone 1 - Reach 02040105-011
NA	Delaware River at Easton PA	NA	3	DRBC Zone 1 - Reach 02040105-011
NA	Delaware River at Easton PA	NA	3	DRBC Zone 1 - Reach 02040105-011
2-PAP-1	Papakating Creek on Rte 23 nr Lower Unionville Rd	NA	5	
2-PAP-1	Papakating Creek on Rte 23 nr Lower Unionville Rd	NA	3	
2-PAP-1	Papakating Creek on Rte 23 nr Lower Unionville Rd	NA	1	
2-PAP-1	Papakating Creek on Rte 23 nr Lower Unionville Rd	NA	1	
2-PAP-1	Papakating Creek on Rte 23 nr Lower Unionville Rd	NA	1	
2-PAP-1	Papakating Creek on Rte 23 nr Lower Unionville Rd	NA	3	
2-PAP-1	Papakating Creek on Rte 23 nr Lower Unionville Rd	NA	1	
2-PAP-1	Papakating Creek on Rte 23 nr Lower Unionville Rd	NA	1	
2-PAP-1	Papakating Creek on Rte 23 nr Lower Unionville Rd	NA	3	
2-PAP-1	Papakating Creek on Rte 23 nr Lower Unionville Rd	NA	1	
2-WAL-1	Wallkill River on Maple St nr Police Sta. nr Frank	A57	5	
2-WAL-1	Wallkill River on Maple St nr Police Sta. nr Frank	A57	3	
2-WAL-1	Wallkill River on Maple St nr Police Sta. nr Frank	A57	1	
2-WAL-1	Wallkill River on Maple St nr Police Sta. nr Frank	NA	1	
2-WAL-1	Wallkill River on Maple St nr Police Sta. nr Frank	A57	1	
2-WAL-1	Wallkill River on Maple St nr Police Sta. nr Frank	A57	3	
2-WAL-1	Wallkill River on Maple St nr Police Sta. nr Frank	NA	1	
2-WAL-1	Wallkill River on Maple St nr Police Sta. nr Frank	NA	1	
2-WAL-1	Wallkill River on Maple St nr Police Sta. nr Frank	NA	3	
2-WAL-1	Wallkill River on Maple St nr Police Sta. nr Frank	NA	1	

Table II-17. Data Summary of Metals in the Northwest Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	Assessment Result
2	2-WAL-2	Wallkill River on Davis Rd nr Scott Rd in Franklin	Arsenic	3	3	0	0	1	1	0	0	Not Attain
2	2-WAL-2	Wallkill River on Davis Rd nr Scott Rd in Franklin	Cadmium	3	0	0	0	1	0	0	MDL	Insufficient Data
2	2-WAL-2	Wallkill River on Davis Rd nr Scott Rd in Franklin	Chromium	3	0	0	0	1	0	0	0	Attain
2	2-WAL-2	Wallkill River on Davis Rd nr Scott Rd in Franklin	Copper	3	NA	0	0	1	NA	0	0	Attain
2	2-WAL-2	Wallkill River on Davis Rd nr Scott Rd in Franklin	Lead	3	0	0	0	1	0	0	0	Attain
2	2-WAL-2	Wallkill River on Davis Rd nr Scott Rd in Franklin	Mercury	3	0	0	MDL	1	0	0	MDL	Insufficient Data
2	2-WAL-2	Wallkill River on Davis Rd nr Scott Rd in Franklin	Nickel	3	0	0	0	1	0	0	0	Attain
2	2-WAL-2	Wallkill River on Davis Rd nr Scott Rd in Franklin	Selenium	3	0	0	0	1	0	0	0	Attain
2	2-WAL-2	Wallkill River on Davis Rd nr Scott Rd in Franklin	Silver	0	No Data	No Data	NA	1	No Data	No Data	NA	No Data
2	2-WAL-2	Wallkill River on Davis Rd nr Scott Rd in Franklin	Zinc	3	NA	0	0	1	NA	0	0	Attain
2	2-WAL-3	Wallkill River on Ames Blvd (Rte 94), Hamburg	Arsenic	3	3	0	0	1	1	0	0	Not Attain
2	2-WAL-3	Wallkill River on Ames Blvd (Rte 94), Hamburg	Cadmium	3	0	0	0	1	0	0	MDL	Insufficient Data
2	2-WAL-3	Wallkill River on Ames Blvd (Rte 94), Hamburg	Chromium	3	0	0	0	1	0	0	0	Attain
2	2-WAL-3	Wallkill River on Ames Blvd (Rte 94), Hamburg	Copper	3	NA	0	0	1	NA	0	0	Attain
2	2-WAL-3	Wallkill River on Ames Blvd (Rte 94), Hamburg	Lead	3	0	0	0	1	0	0	0	Attain
2	2-WAL-3	Wallkill River on Ames Blvd (Rte 94), Hamburg	Mercury	3	0	0	MDL	1	0	0	MDL	Insufficient Data
2	2-WAL-3	Wallkill River on Ames Blvd (Rte 94), Hamburg	Nickel	3	0	0	0	1	0	0	0	Attain
2	2-WAL-3	Wallkill River on Ames Blvd (Rte 94), Hamburg	Selenium	3	0	0	0	1	0	0	0	Attain
2	2-WAL-3	Wallkill River on Ames Blvd (Rte 94), Hamburg	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
2	2-WAL-3	Wallkill River on Ames Blvd (Rte 94), Hamburg	Zinc	3	NA	0	0	1	NA	0	0	Attain
2	2-WAL-4	Wallkill River on Glenwood Rd off Rte 23 nr Martin	Arsenic	3	3	0	0	1	1	0	0	Not Attain
2	2-WAL-4	Wallkill River on Glenwood Rd off Rte 23 nr Martin	Cadmium	3	0	0	0	1	0	0	MDL	Insufficient Data
2	2-WAL-4	Wallkill River on Glenwood Rd off Rte 23 nr Martin	Chromium	3	0	0	0	1	0	0	0	Attain
2	2-WAL-4	Wallkill River on Glenwood Rd off Rte 23 nr Martin	Copper	3	NA	0	0	1	NA	0	0	Attain
2	2-WAL-4	Wallkill River on Glenwood Rd off Rte 23 nr Martin	Lead	3	0	0	0	1	0	0	0	Attain
2	2-WAL-4	Wallkill River on Glenwood Rd off Rte 23 nr Martin	Mercury	3	0	0	MDL	1	0	0	MDL	Insufficient Data
2	2-WAL-4	Wallkill River on Glenwood Rd off Rte 23 nr Martin	Nickel	3	0	0	0	1	0	0	0	Attain
2	2-WAL-4	Wallkill River on Glenwood Rd off Rte 23 nr Martin	Selenium	3	0	0	0	1	0	0	0	Attain
2	2-WAL-4	Wallkill River on Glenwood Rd off Rte 23 nr Martin	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
2	2-WAL-4	Wallkill River on Glenwood Rd off Rte 23 nr Martin	Zinc	3	NA	0	0	1	NA	0	0	Attain
2	2-WAL-5	Wallkill River on Bassets & Owen Sta. Rds. Nr Owen	Arsenic	3	3	0	0	1	1	0	0	Not Attain
2	2-WAL-5	Wallkill River on Bassets & Owen Sta. Rds. Nr Owen	Cadmium	3	0	0	0	1	0	0	MDL	Insufficient Data
2	2-WAL-5	Wallkill River on Bassets & Owen Sta. Rds. Nr Owen	Chromium	3	0	0	0	1	0	0	0	Attain
2	2-WAL-5	Wallkill River on Bassets & Owen Sta. Rds. Nr Owen	Copper	3	NA	0	0	1	NA	0	0	Attain
2	2-WAL-5	Wallkill River on Bassets & Owen Sta. Rds. Nr Owen	Lead	3	0	0	0	1	0	0	0	Attain
2	2-WAL-5	Wallkill River on Bassets & Owen Sta. Rds. Nr Owen	Mercury	3	QA	0	MDL	1	0	0	MDL	Insufficient Data
2	2-WAL-5	Wallkill River on Bassets & Owen Sta. Rds. Nr Owen	Nickel	3	0	0	0	1	0	0	0	Attain
2	2-WAL-5	Wallkill River on Bassets & Owen Sta. Rds. Nr Owen	Selenium	3	0	0	0	1	0	0	0	Attain
2	2-WAL-5	Wallkill River on Bassets & Owen Sta. Rds. Nr Owen	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
2	2-WAL-5	Wallkill River on Bassets & Owen Sta. Rds. Nr Owen	Zinc	3	NA	0	0	1	NA	0	0	Attain
11	11-AS-2	Assunpink Creek near Clarksville	Arsenic	3	1	0	0	0	No Data	No Data	No Data	Not Attain
11	11-AS-2	Assunpink Creek near Clarksville	Cadmium	3	0	0	MDL	0	No Data	No Data	No Data	Insufficient Data
11	11-AS-2	Assunpink Creek near Clarksville	Chromium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
11	11-AS-2	Assunpink Creek near Clarksville	Copper	3	NA	0	0	0	NA	No Data	No Data	Insufficient Data
11	11-AS-2	Assunpink Creek near Clarksville	Lead	3	0	0	MDL	0	No Data	No Data	No Data	Insufficient Data

Table II-17. Data Summary of Metals in the Northwest Region

303d Site ID	Monitoring Location	1998 303d List Page	Candidate List Category	Notes
2-WAL-2	Wallkill River on Davis Rd nr Scott Rd in Franklin	A57	5	
2-WAL-2	Wallkill River on Davis Rd nr Scott Rd in Franklin	A57	3	
2-WAL-2	Wallkill River on Davis Rd nr Scott Rd in Franklin	A57	1	
2-WAL-2	Wallkill River on Davis Rd nr Scott Rd in Franklin	NA	1	
2-WAL-2	Wallkill River on Davis Rd nr Scott Rd in Franklin	A57	1	
2-WAL-2	Wallkill River on Davis Rd nr Scott Rd in Franklin	A57	3	
2-WAL-2	Wallkill River on Davis Rd nr Scott Rd in Franklin	NA	1	
2-WAL-2	Wallkill River on Davis Rd nr Scott Rd in Franklin	NA	1	
2-WAL-2	Wallkill River on Davis Rd nr Scott Rd in Franklin	NA	3	
2-WAL-2	Wallkill River on Davis Rd nr Scott Rd in Franklin	NA	1	
2-WAL-3	Wallkill River on Ames Blvd (Rte 94), Hamburg	A57	5	
2-WAL-3	Wallkill River on Ames Blvd (Rte 94), Hamburg	A57	3	
2-WAL-3	Wallkill River on Ames Blvd (Rte 94), Hamburg	A57	1	
2-WAL-3	Wallkill River on Ames Blvd (Rte 94), Hamburg	NA	1	
2-WAL-3	Wallkill River on Ames Blvd (Rte 94), Hamburg	A57	1	
2-WAL-3	Wallkill River on Ames Blvd (Rte 94), Hamburg	A57	3	
2-WAL-3	Wallkill River on Ames Blvd (Rte 94), Hamburg	NA	1	
2-WAL-3	Wallkill River on Ames Blvd (Rte 94), Hamburg	NA	1	
2-WAL-3	Wallkill River on Ames Blvd (Rte 94), Hamburg	NA	3	
2-WAL-3	Wallkill River on Ames Blvd (Rte 94), Hamburg	NA	1	
2-WAL-4	Wallkill River on Glenwood Rd off Rte 23 nr Martin	A57	5	
2-WAL-4	Wallkill River on Glenwood Rd off Rte 23 nr Martin	A57	3	
2-WAL-4	Wallkill River on Glenwood Rd off Rte 23 nr Martin	A57	1	
2-WAL-4	Wallkill River on Glenwood Rd off Rte 23 nr Martin	NA	1	
2-WAL-4	Wallkill River on Glenwood Rd off Rte 23 nr Martin	A57	1	
2-WAL-4	Wallkill River on Glenwood Rd off Rte 23 nr Martin	A57	3	
2-WAL-4	Wallkill River on Glenwood Rd off Rte 23 nr Martin	NA	1	
2-WAL-4	Wallkill River on Glenwood Rd off Rte 23 nr Martin	NA	1	
2-WAL-4	Wallkill River on Glenwood Rd off Rte 23 nr Martin	NA	3	
2-WAL-4	Wallkill River on Glenwood Rd off Rte 23 nr Martin	NA	1	
2-WAL-5	Wallkill River on Bassets & Owen Sta. Rds. Nr Owen	NA	5	
2-WAL-5	Wallkill River on Bassets & Owen Sta. Rds. Nr Owen	NA	3	
2-WAL-5	Wallkill River on Bassets & Owen Sta. Rds. Nr Owen	NA	1	
2-WAL-5	Wallkill River on Bassets & Owen Sta. Rds. Nr Owen	NA	1	
2-WAL-5	Wallkill River on Bassets & Owen Sta. Rds. Nr Owen	A57	1	
2-WAL-5	Wallkill River on Bassets & Owen Sta. Rds. Nr Owen	NA	3	QA Issue in 2-WAL-5
2-WAL-5	Wallkill River on Bassets & Owen Sta. Rds. Nr Owen	NA	1	
2-WAL-5	Wallkill River on Bassets & Owen Sta. Rds. Nr Owen	NA	1	
2-WAL-5	Wallkill River on Bassets & Owen Sta. Rds. Nr Owen	NA	3	
2-WAL-5	Wallkill River on Bassets & Owen Sta. Rds. Nr Owen	NA	1	
11-AS-2	Assunpink Creek near Clarksville	A85	5	
11-AS-2	Assunpink Creek near Clarksville	A85	5	
11-AS-2	Assunpink Creek near Clarksville	NA	3	
11-AS-2	Assunpink Creek near Clarksville	A85	5	
11-AS-2	Assunpink Creek near Clarksville	A85	5	

Table II-17. Data Summary of Metals in the Northwest Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	Assessment Result
11	11-AS-2	Assunpink Creek near Clarksville	Mercury	3	QA	0	QA	0	No Data	No Data	No Data	Insufficient Data
11	11-AS-2	Assunpink Creek near Clarksville	Nickel	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
11	11-AS-2	Assunpink Creek near Clarksville	Selenium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
11	11-AS-2	Assunpink Creek near Clarksville	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
11	11-AS-2	Assunpink Creek near Clarksville	Zinc	3	NA	0	0	0	NA	No Data	No Data	Insufficient Data
11	11-AS-3	Assunpink Creek on Peace St.,Trenton	Arsenic	3	MDL	0	0	1	1	0	0	Not Attain
11	11-AS-3	Assunpink Creek on Peace St.,Trenton	Cadmium	3	0	0	0	1	0	MDL	MDL	Insufficient Data
11	11-AS-3	Assunpink Creek on Peace St.,Trenton	Chromium	3	0	0	0	1	0	0	0	Attain
11	11-AS-3	Assunpink Creek on Peace St.,Trenton	Copper	3	NA	0	0	1	NA	1	1	Not Attain
11	11-AS-3	Assunpink Creek on Peace St.,Trenton	Lead	3	0	0	0	1	1	1	1	Not Attain
11	11-AS-3	Assunpink Creek on Peace St.,Trenton	Mercury	3	0	0	MDL	1	0	0	MDL	Insufficient Data
11	11-AS-3	Assunpink Creek on Peace St.,Trenton	Nickel	3	0	0	0	1	0	0	0	Attain
11	11-AS-3	Assunpink Creek on Peace St.,Trenton	Selenium	3	0	0	0	1	0	0	0	Attain
11	11-AS-3	Assunpink Creek on Peace St.,Trenton	Silver	3	0	0	0	0	No Data	No Data	NA	Insufficient Data
11	11-AS-3	Assunpink Creek on Peace St.,Trenton	Zinc	3	NA	0	0	1	NA	1	1	Not Attain
11	11-AS-4	Assunpink Creek at Route 535, Edinburg	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data	Insufficient Data
11	11-AS-4	Assunpink Creek at Route 535, Edinburg	Cadmium	3	0	0	MDL	0	No Data	No Data	No Data	Insufficient Data
11	11-AS-4	Assunpink Creek at Route 535, Edinburg	Chromium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
11	11-AS-4	Assunpink Creek at Route 535, Edinburg	Copper	3	NA	0	0	0	NA	No Data	No Data	Insufficient Data
11	11-AS-4	Assunpink Creek at Route 535, Edinburg	Lead	3	0	0	MDL	0	No Data	No Data	No Data	Insufficient Data
11	11-AS-4	Assunpink Creek at Route 535, Edinburg	Mercury	3	0	0	MDL	0	No Data	No Data	No Data	Insufficient Data
11	11-AS-4	Assunpink Creek at Route 535, Edinburg	Nickel	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
11	11-AS-4	Assunpink Creek at Route 535, Edinburg	Selenium	3	0	0	0	0	No Data	No Data	No Data	Insufficient Data
11	11-AS-4	Assunpink Creek at Route 535, Edinburg	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA	No Data
11	11-AS-4	Assunpink Creek at Route 535, Edinburg	Zinc	3	NA	0	0	0	NA	No Data	No Data	Insufficient Data

Table II-17. Data Summary of Metals in the Northwest Region

303d Site ID	Monitoring Location	1998 303d List Page	Candidate List Category	Notes
11-AS-2	Assunpink Creek near Clarksville	A85	5	QA Issue: Detectable Hg in blank
11-AS-2	Assunpink Creek near Clarksville	NA	3	
11-AS-2	Assunpink Creek near Clarksville	NA	3	
11-AS-2	Assunpink Creek near Clarksville	NA	3	
11-AS-2	Assunpink Creek near Clarksville	NA	3	
11-AS-3	Assunpink Creek on Peace St.,Trenton	A85	5	
11-AS-3	Assunpink Creek on Peace St.,Trenton	A85	3	
11-AS-3	Assunpink Creek on Peace St.,Trenton	A85	1	
11-AS-3	Assunpink Creek on Peace St.,Trenton	A85	5	
11-AS-3	Assunpink Creek on Peace St.,Trenton	A85	5	
11-AS-3	Assunpink Creek on Peace St.,Trenton	A85	3	
11-AS-3	Assunpink Creek on Peace St.,Trenton	NA	1	
11-AS-3	Assunpink Creek on Peace St.,Trenton	NA	1	
11-AS-3	Assunpink Creek on Peace St.,Trenton	NA	3	
11-AS-3	Assunpink Creek on Peace St.,Trenton	NA	5	
11-AS-4	Assunpink Creek at Route 535, Edinburg	A85	5	
11-AS-4	Assunpink Creek at Route 535, Edinburg	A85	5	
11-AS-4	Assunpink Creek at Route 535, Edinburg	NA	3	
11-AS-4	Assunpink Creek at Route 535, Edinburg	A85	5	
11-AS-4	Assunpink Creek at Route 535, Edinburg	A85	5	
11-AS-4	Assunpink Creek at Route 535, Edinburg	A85	5	
11-AS-4	Assunpink Creek at Route 535, Edinburg	NA	3	
11-AS-4	Assunpink Creek at Route 535, Edinburg	NA	3	
11-AS-4	Assunpink Creek at Route 535, Edinburg	NA	3	
11-AS-4	Assunpink Creek at Route 535, Edinburg	NA	3	

Table II-17. Data Summary of Metals in the Northeast Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc
3	3-SITE-8; 3-PEQ-1	Pequannock River at Macopin	Arsenic	6	MDL	0	0	1	MDL	0	0
3	3-SITE-8; 3-PEQ-1	Pequannock River at Macopin	Cadmium	3	0	0	MDL	1	0	0	MDL
3	3-SITE-8; 3-PEQ-1	Pequannock River at Macopin	Chromium	3	0	0	0	1	0	0	0
3	3-SITE-8; 3-PEQ-1	Pequannock River at Macopin	Copper	5	NA	0	0	1	NA	0	0
3	3-SITE-8; 3-PEQ-1	Pequannock River at Macopin	Lead	6	1	0	1	1	0	0	MDL
3	3-SITE-8; 3-PEQ-1	Pequannock River at Macopin	Mercury	3	0	0	MDL	1	0	0	MDL
3	3-SITE-8; 3-PEQ-1	Pequannock River at Macopin	Nickel	3	0	0	0	1	0	0	0
3	3-SITE-8; 3-PEQ-1	Pequannock River at Macopin	Selenium	3	0	0	0	1	0	0	0
3	3-SITE-8; 3-PEQ-1	Pequannock River at Macopin	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA
3	3-SITE-8; 3-PEQ-1	Pequannock River at Macopin	Zinc	3	NA	0	0	1	NA	0	0
3	3-SITE-9; 3-RAM-1	Ramapo River nr Mahwah	Arsenic	3	MDL	0	0	1	MDL	0	0
3	3-SITE-9; 3-RAM-1	Ramapo River nr Mahwah	Cadmium	3	0	0	MDL	1	0	0	MDL
3	3-SITE-9; 3-RAM-1	Ramapo River nr Mahwah	Chromium	3	0	0	0	1	0	0	0
3	3-SITE-9; 3-RAM-1	Ramapo River nr Mahwah	Copper	3	NA	0	0	1	NA	0	0
3	3-SITE-9; 3-RAM-1	Ramapo River nr Mahwah	Lead	6	0	0	0	1	0	0	0
3	3-SITE-9; 3-RAM-1	Ramapo River nr Mahwah	Mercury	3	0	0	MDL	1	0	0	MDL
3	3-SITE-9; 3-RAM-1	Ramapo River nr Mahwah	Nickel	3	0	0	0	1	0	0	0
3	3-SITE-9; 3-RAM-1	Ramapo River nr Mahwah	Selenium	3	0	0	0	1	0	0	0
3	3-SITE-9; 3-RAM-1	Ramapo River nr Mahwah	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA
3	3-SITE-9; 3-RAM-1	Ramapo River nr Mahwah	Zinc	3	NA	0	0	1	NA	0	0
3	3-SITE-7	Pompton River at Packanack Lk	Arsenic	3	MDL	0	0	1	MDL	0	0
3	3-SITE-7	Pompton River at Packanack Lk	Cadmium	3	0	0	MDL	1	0	0	MDL
3	3-SITE-7	Pompton River at Packanack Lk	Chromium	0	No Data	No Data	No Data	1	0	0	0
3	3-SITE-7	Pompton River at Packanack Lk	Copper	3	NA	0	0	1	NA	0	0
3	3-SITE-7	Pompton River at Packanack Lk	Lead	3	0	0	0	1	0	0	1
3	3-SITE-7	Pompton River at Packanack Lk	Mercury	3	0	0	MDL	1	0	0	MDL
3	3-SITE-7	Pompton River at Packanack Lk	Nickel	0	No Data	No Data	No Data	1	0	0	0
3	3-SITE-7	Pompton River at Packanack Lk	Selenium	0	No Data	No Data	No Data	1	0	0	0
3	3-SITE-7	Pompton River at Packanack Lk	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA
3	3-SITE-7	Pompton River at Packanack Lk	Zinc	0	NA	No Data	No Data	1	NA	0	0
4	4-SITE-6; 4-PAS-3	Passaic River at Little Falls	Arsenic	6	MDL	0	0	0	No Data	No Data	No Data
4	4-SITE-6; 4-PAS-3	Passaic River at Little Falls	Cadmium	6	0	0	MDL	0	No Data	No Data	No Data
4	4-SITE-6; 4-PAS-3	Passaic River at Little Falls	Chromium	6	0	0	0	0	No Data	No Data	No Data
4	4-SITE-6; 4-PAS-3	Passaic River at Little Falls	Copper	6	NA	0	0	0	No Data	No Data	No Data
4	4-SITE-6; 4-PAS-3	Passaic River at Little Falls	Cyanide	0	No Data	No Data	No Data	0	No Data	No Data	No Data
4	4-SITE-6; 4-PAS-3	Passaic River at Little Falls	Lead	6	0	0	0	0	No Data	No Data	No Data
4	4-SITE-6; 4-PAS-3	Passaic River at Little Falls	Mercury	6	0	0	MDL	0	No Data	No Data	No Data
4	4-SITE-6; 4-PAS-3	Passaic River at Little Falls	Nickel	6	0	0	0	0	No Data	No Data	No Data
4	4-SITE-6; 4-PAS-3	Passaic River at Little Falls	Selenium	3	0	0	0	0	No Data	No Data	No Data
4	4-SITE-6; 4-PAS-3	Passaic River at Little Falls	Silver	3	0	0	NA	0	No Data	No Data	NA
4	4-SITE-6; 4-PAS-3	Passaic River at Little Falls	Thallium	6	0	NA	NA	0	No Data	No Data	No Data
4	4-SITE-6; 4-PAS-3	Passaic River at Little Falls	Zinc	6	NA	0	0	0	No Data	No Data	No Data
4	4-SITE-4; 4-PAS-4	Passaic River at Singac	Arsenic	6	MDL	0	0	0	No Data	No Data	No Data
4	4-SITE-4; 4-PAS-4	Passaic River at Singac	Cadmium	6	0	0	MDL	0	No Data	No Data	No Data
4	4-SITE-4; 4-PAS-4	Passaic River at Singac	Chromium	6	0	0	0	0	No Data	No Data	No Data

Table II-17. Data Summary of Metals in the Northeast Region

303d Site ID	Monitoring Location	Assessment Result	1998 303d List Page	Candidate List Category	Notes
3-SITE-8; 3-PEQ-1	Pequannock River at Macopin	Insufficient Data	NA	3	
3-SITE-8; 3-PEQ-1	Pequannock River at Macopin	Insufficient Data	NA	3	
3-SITE-8; 3-PEQ-1	Pequannock River at Macopin	Attain	NA	1	
3-SITE-8; 3-PEQ-1	Pequannock River at Macopin	Attain	A63	1	
3-SITE-8; 3-PEQ-1	Pequannock River at Macopin	Not Attain	A63	5	
3-SITE-8; 3-PEQ-1	Pequannock River at Macopin	Insufficient Data	NA	3	
3-SITE-8; 3-PEQ-1	Pequannock River at Macopin	Attain	NA	1	
3-SITE-8; 3-PEQ-1	Pequannock River at Macopin	Attain	NA	1	
3-SITE-8; 3-PEQ-1	Pequannock River at Macopin	No Data	NA	3	
3-SITE-8; 3-PEQ-1	Pequannock River at Macopin	Attain	NA	1	
3-SITE-9; 3-RAM-1	Ramapo River nr Mahwah	Insufficient Data	A63	3	
3-SITE-9; 3-RAM-1	Ramapo River nr Mahwah	Insufficient Data	NA	3	
3-SITE-9; 3-RAM-1	Ramapo River nr Mahwah	Attain	A63	1	
3-SITE-9; 3-RAM-1	Ramapo River nr Mahwah	Attain	NA	1	
3-SITE-9; 3-RAM-1	Ramapo River nr Mahwah	Attain	A63	1	
3-SITE-9; 3-RAM-1	Ramapo River nr Mahwah	Insufficient Data	A63	3	
3-SITE-9; 3-RAM-1	Ramapo River nr Mahwah	Attain	NA	1	
3-SITE-9; 3-RAM-1	Ramapo River nr Mahwah	Attain	NA	1	
3-SITE-9; 3-RAM-1	Ramapo River nr Mahwah	No Data	NA	3	
3-SITE-9; 3-RAM-1	Ramapo River nr Mahwah	Attain	NA	1	
3-SITE-7	Pompton River at Packanack Lk	Insufficient Data	A62	3	
3-SITE-7	Pompton River at Packanack Lk	Insufficient Data	A62	3	
3-SITE-7	Pompton River at Packanack Lk	Insufficient Data	NA	3	
3-SITE-7	Pompton River at Packanack Lk	Attain	A62	1	
3-SITE-7	Pompton River at Packanack Lk	Not Attain	A62	5	
3-SITE-7	Pompton River at Packanack Lk	Insufficient Data	A62	3	
3-SITE-7	Pompton River at Packanack Lk	Insufficient Data	NA	3	
3-SITE-7	Pompton River at Packanack Lk	Insufficient Data	NA	3	
3-SITE-7	Pompton River at Packanack Lk	No Data	NA	3	
3-SITE-7	Pompton River at Packanack Lk	Insufficient Data	NA	3	
4-SITE-6; 4-PAS-3	Passaic River at Little Falls	Insufficient Data	A61	5	Last sample pre-1996
4-SITE-6; 4-PAS-3	Passaic River at Little Falls	Insufficient Data	A61	5	Last sample pre-1996
4-SITE-6; 4-PAS-3	Passaic River at Little Falls	Insufficient Data	A61	5	Last sample pre-1996
4-SITE-6; 4-PAS-3	Passaic River at Little Falls	Insufficient Data	A61	5	Last sample pre-1996
4-SITE-6; 4-PAS-3	Passaic River at Little Falls	No Data	A61	5	Last sample pre-1996
4-SITE-6; 4-PAS-3	Passaic River at Little Falls	Insufficient Data	A61	5	Last sample pre-1996
4-SITE-6; 4-PAS-3	Passaic River at Little Falls	Insufficient Data	A61	5	Last sample pre-1996
4-SITE-6; 4-PAS-3	Passaic River at Little Falls	Insufficient Data	A61	5	Last sample pre-1996
4-SITE-6; 4-PAS-3	Passaic River at Little Falls	Insufficient Data	NA	3	Last sample pre-1996
4-SITE-6; 4-PAS-3	Passaic River at Little Falls	Insufficient Data	NA	3	Last sample pre-1996
4-SITE-6; 4-PAS-3	Passaic River at Little Falls	Insufficient Data	A61	5	Last sample pre-1996
4-SITE-6; 4-PAS-3	Passaic River at Little Falls	Insufficient Data	A61	5	Last sample pre-1996
4-SITE-6; 4-PAS-3	Passaic River at Little Falls	Insufficient Data	A61	5	Last sample pre-1996
4-SITE-6; 4-PAS-3	Passaic River at Little Falls	Insufficient Data	A61	5	Last sample pre-1996
4-SITE-4; 4-PAS-4	Passaic River at Singac	Insufficient Data	A61	5	Last sample pre-1996
4-SITE-4; 4-PAS-4	Passaic River at Singac	Insufficient Data	A61	5	Last sample pre-1996
4-SITE-4; 4-PAS-4	Passaic River at Singac	Insufficient Data	A61	5	Last sample pre-1996

Table II-17. Data Summary of Metals in the Northeast Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc
4	4-SITE-4; 4-PAS-4	Passaic River at Singac	Copper	6	NA	0	0	0	NA	No Data	No Data
4	4-SITE-4; 4-PAS-4	Passaic River at Singac	Cyanide	0	No Data	No Data	No Data	0	No Data	No Data	No Data
4	4-SITE-4; 4-PAS-4	Passaic River at Singac	Lead	6	0	0	0	0	No Data	No Data	No Data
4	4-SITE-4; 4-PAS-4	Passaic River at Singac	Mercury	6	0	0	MDL	0	No Data	No Data	No Data
4	4-SITE-4; 4-PAS-4	Passaic River at Singac	Nickel	6	0	0	0	0	No Data	No Data	No Data
4	4-SITE-4; 4-PAS-4	Passaic River at Singac	Selenium	3	0	0	0	0	No Data	No Data	No Data
4	4-SITE-4; 4-PAS-4	Passaic River at Singac	Silver	3	0	0	NA	0	No Data	No Data	NA
4	4-SITE-4; 4-PAS-4	Passaic River at Singac	Thallium	6	0	NA	NA	0	NA	No Data	No Data
4	4-SITE-4; 4-PAS-4	Passaic River at Singac	Zinc	6	NA	0	0	0	NA	No Data	No Data
4	4-SITE-13; 4-SAD-1	Saddle River at Fair Lawn	Arsenic	6	MDL	0	0	1	MDL	0	0
4	4-SITE-13; 4-SAD-1	Saddle River at Fair Lawn	Cadmium	6	0	0	0	1	0	0	0
4	4-SITE-13; 4-SAD-1	Saddle River at Fair Lawn	Chromium	6	0	0	0	1	0	0	0
4	4-SITE-13; 4-SAD-1	Saddle River at Fair Lawn	Copper	6	NA	0	0	1	NA	0	0
4	4-SITE-13; 4-SAD-1	Saddle River at Fair Lawn	Lead	6	0	0	0	1	0	0	0
4	4-SITE-13; 4-SAD-1	Saddle River at Fair Lawn	Mercury	6	0	0	MDL	1	0	0	MDL
4	4-SITE-13; 4-SAD-1	Saddle River at Fair Lawn	Nickel	3	0	0	0	1	0	0	0
4	4-SITE-13; 4-SAD-1	Saddle River at Fair Lawn	Selenium	3	0	0	0	1	0	0	0
4	4-SITE-13; 4-SAD-1	Saddle River at Fair Lawn	Silver	3	0	0	NA	0	No Data	No Data	NA
4	4-SITE-13; 4-SAD-1	Saddle River at Fair Lawn	Zinc	6	NA	0	0	1	NA	0	0
4	4-SITE-12	Saddle River at Lodi	Arsenic	3	MDL	0	0	1	MDL	0	0
4	4-SITE-12	Saddle River at Lodi	Cadmium	3	0	0	0	1	0	0	0
4	4-SITE-12	Saddle River at Lodi	Chromium	3	0	0	0	1	0	0	0
4	4-SITE-12	Saddle River at Lodi	Copper	3	NA	0	0	1	NA	0	0
4	4-SITE-12	Saddle River at Lodi	Lead	3	0	0	0	1	0	0	0
4	4-SITE-12	Saddle River at Lodi	Mercury	3	0	0	MDL	1	0	0	MDL
4	4-SITE-12	Saddle River at Lodi	Nickel	0	No Data	No Data	No Data	1	0	0	0
4	4-SITE-12	Saddle River at Lodi	Selenium	0	No Data	No Data	No Data	1	0	0	0
4	4-SITE-12	Saddle River at Lodi	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA
4	4-SITE-12	Saddle River at Lodi	Zinc	3	NA	0	0	1	NA	0	0
4	4-SITE-5	Passaic River at Elmwood Park	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data
4	4-SITE-5	Passaic River at Elmwood Park	Cadmium	3	0	0	0	0	No Data	No Data	No Data
4	4-SITE-5	Passaic River at Elmwood Park	Chromium	3	0	0	0	0	No Data	No Data	No Data
4	4-SITE-5	Passaic River at Elmwood Park	Copper	3	NA	0	0	0	NA	No Data	No Data
4	4-SITE-5	Passaic River at Elmwood Park	Cyanide	0	No Data	No Data	No Data	0	No Data	No Data	No Data
4	4-SITE-5	Passaic River at Elmwood Park	Lead	3	0	0	0	0	No Data	No Data	No Data
4	4-SITE-5	Passaic River at Elmwood Park	Mercury	3	0	0	MDL	0	No Data	No Data	No Data
4	4-SITE-5	Passaic River at Elmwood Park	Nickel	3	0	0	0	0	No Data	No Data	No Data
4	4-SITE-5	Passaic River at Elmwood Park	Selenium	0	No Data	No Data	No Data	0	No Data	No Data	No Data
4	4-SITE-5	Passaic River at Elmwood Park	Silver	3	0	0	NA	0	No Data	No Data	NA
4	4-SITE-5	Passaic River at Elmwood Park	Thallium	3	MDL	NA	NA	0	No Data	NA	NA
4	4-SITE-5	Passaic River at Elmwood Park	Zinc	3	NA	0	0	0	NA	No Data	No Data
5	5-DOR-1	Dorotockys Run on Old Tappan Rd, Old Tappan	Arsenic	3	3	0	0	0	No Data	No Data	No Data
5	5-DOR-1	Dorotockys Run on Old Tappan Rd, Old Tappan	Cadmium	3	0	0	0	0	No Data	No Data	No Data
5	5-DOR-1	Dorotockys Run on Old Tappan Rd, Old Tappan	Chromium	3	0	0	0	0	No Data	No Data	No Data
5	5-DOR-1	Dorotockys Run on Old Tappan Rd, Old Tappan	Copper	3	NA	0	0	0	NA	No Data	No Data

Table II-17. Data Summary of Metals in the Northeast Region

303d Site ID	Monitoring Location	Assessment Result	1998 303d List Page	Candidate List Category	Notes
4-SITE-4; 4-PAS-4	Passaic River at Singac	Insufficient Data	A61	5	Last sample pre-1996
4-SITE-4; 4-PAS-4	Passaic River at Singac	No Data	A61	5	
4-SITE-4; 4-PAS-4	Passaic River at Singac	Insufficient Data	A61	5	Last sample pre-1996
4-SITE-4; 4-PAS-4	Passaic River at Singac	Insufficient Data	A61	5	Last sample pre-1996
4-SITE-4; 4-PAS-4	Passaic River at Singac	Insufficient Data	NA	3	Last sample pre-1996
4-SITE-4; 4-PAS-4	Passaic River at Singac	Insufficient Data	NA	3	Last sample pre-1996
4-SITE-4; 4-PAS-4	Passaic River at Singac	Insufficient Data	A61	5	Last sample pre-1996
4-SITE-4; 4-PAS-4	Passaic River at Singac	Insufficient Data	A61	5	Last sample pre-1996
4-SITE-4; 4-PAS-4	Passaic River at Singac	Insufficient Data	A61	5	Last sample pre-1996
4-SITE-13; 4-SAD-1	Saddle River at Fair Lawn	Insufficient Data	A61	3	
4-SITE-13; 4-SAD-1	Saddle River at Fair Lawn	Attain	A61	1	
4-SITE-13; 4-SAD-1	Saddle River at Fair Lawn	Attain	A61	1	
4-SITE-13; 4-SAD-1	Saddle River at Fair Lawn	Attain	A61	1	
4-SITE-13; 4-SAD-1	Saddle River at Fair Lawn	Attain	A61	1	
4-SITE-13; 4-SAD-1	Saddle River at Fair Lawn	Insufficient Data	A61	3	
4-SITE-13; 4-SAD-1	Saddle River at Fair Lawn	Attain	NA	1	
4-SITE-13; 4-SAD-1	Saddle River at Fair Lawn	Attain	NA	1	
4-SITE-13; 4-SAD-1	Saddle River at Fair Lawn	Insufficient Data	NA	3	
4-SITE-13; 4-SAD-1	Saddle River at Fair Lawn	Attain	A61	1	
4-SITE-12	Saddle River at Lodi	Insufficient Data	A61	3	
4-SITE-12	Saddle River at Lodi	Attain	A61	1	
4-SITE-12	Saddle River at Lodi	Attain	A61	1	
4-SITE-12	Saddle River at Lodi	Attain	A61	1	
4-SITE-12	Saddle River at Lodi	Attain	A61	1	
4-SITE-12	Saddle River at Lodi	Insufficient Data	A61	3	
4-SITE-12	Saddle River at Lodi	Insufficient Data	NA	3	
4-SITE-12	Saddle River at Lodi	Insufficient Data	NA	3	
4-SITE-12	Saddle River at Lodi	No Data	NA	3	
4-SITE-12	Saddle River at Lodi	Attain	A61	1	
4-SITE-5	Passaic River at Elmwood Park	Insufficient Data	A61	5	Last sample pre-1996
4-SITE-5	Passaic River at Elmwood Park	Insufficient Data	A61	5	Last sample pre-1996
4-SITE-5	Passaic River at Elmwood Park	Insufficient Data	A61	5	Last sample pre-1996
4-SITE-5	Passaic River at Elmwood Park	Insufficient Data	A61	5	Last sample pre-1996
4-SITE-5	Passaic River at Elmwood Park	No Data	A61	5	
4-SITE-5	Passaic River at Elmwood Park	Insufficient Data	A61	5	Last sample pre-1996
4-SITE-5	Passaic River at Elmwood Park	Insufficient Data	A61	5	Last sample pre-1996
4-SITE-5	Passaic River at Elmwood Park	Insufficient Data	A61	5	Last sample pre-1996
4-SITE-5	Passaic River at Elmwood Park	No Data	NA	3	Last sample pre-1996
4-SITE-5	Passaic River at Elmwood Park	Insufficient Data	A61	5	Last sample pre-1996
4-SITE-5	Passaic River at Elmwood Park	Insufficient Data	A61	5	Last sample pre-1996
4-SITE-5	Passaic River at Elmwood Park	Insufficient Data	A61	5	Last sample pre-1996
5-DOR-1	Dorotockys Run on Old Tappan Rd, Old Tappan	Not Attain	NA	5	
5-DOR-1	Dorotockys Run on Old Tappan Rd, Old Tappan	Insufficient Data	NA	3	
5-DOR-1	Dorotockys Run on Old Tappan Rd, Old Tappan	Insufficient Data	NA	3	
5-DOR-1	Dorotockys Run on Old Tappan Rd, Old Tappan	Insufficient Data	NA	3	

Table II-17. Data Summary of Metals in the Northeast Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc
5	5-DOR-1	Dorotockys Run on Old Tappan Rd, Old Tappan	Lead	3	0	0	0	0	No Data	No Data	No Data
5	5-DOR-1	Dorotockys Run on Old Tappan Rd, Old Tappan	Mercury	3	0	0	3	0	No Data	No Data	No Data
5	5-DOR-1	Dorotockys Run on Old Tappan Rd, Old Tappan	Nickel	3	0	0	0	0	No Data	No Data	No Data
5	5-DOR-1	Dorotockys Run on Old Tappan Rd, Old Tappan	Selenium	3	0	0	0	0	No Data	No Data	No Data
5	5-DOR-1	Dorotockys Run on Old Tappan Rd, Old Tappan	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA
5	5-DOR-1	Dorotockys Run on Old Tappan Rd, Old Tappan	Zinc	3	NA	0	0	0	NA	No Data	No Data
5	5-DWA-1	Dwars Kill on Blanch Ave., Norwood	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data
5	5-DWA-1	Dwars Kill on Blanch Ave., Norwood	Cadmium	3	0	0	0	0	No Data	No Data	No Data
5	5-DWA-1	Dwars Kill on Blanch Ave., Norwood	Chromium	3	0	0	0	0	No Data	No Data	No Data
5	5-DWA-1	Dwars Kill on Blanch Ave., Norwood	Copper	3	NA	0	0	0	NA	No Data	No Data
5	5-DWA-1	Dwars Kill on Blanch Ave., Norwood	Lead	3	0	0	0	0	No Data	No Data	No Data
5	5-DWA-1	Dwars Kill on Blanch Ave., Norwood	Mercury	3	0	0	2	0	No Data	No Data	No Data
5	5-DWA-1	Dwars Kill on Blanch Ave., Norwood	Nickel	3	0	0	0	0	No Data	No Data	No Data
5	5-DWA-1	Dwars Kill on Blanch Ave., Norwood	Selenium	3	0	0	0	0	No Data	No Data	No Data
5	5-DWA-1	Dwars Kill on Blanch Ave., Norwood	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA
5	5-DWA-1	Dwars Kill on Blanch Ave., Norwood	Zinc	3	NA	0	0	0	NA	No Data	No Data
5	5-PAS-1	Pascack Brook on Harrington Ave., Westwood	Arsenic	3	3	0	0	0	No Data	No Data	No Data
5	5-PAS-1	Pascack Brook on Harrington Ave., Westwood	Cadmium	3	0	0	0	0	No Data	No Data	No Data
5	5-PAS-1	Pascack Brook on Harrington Ave., Westwood	Chromium	3	0	0	0	0	No Data	No Data	No Data
5	5-PAS-1	Pascack Brook on Harrington Ave., Westwood	Copper	3	NA	0	0	0	NA	No Data	No Data
5	5-PAS-1	Pascack Brook on Harrington Ave., Westwood	Lead	3	0	0	0	0	No Data	No Data	No Data
5	5-PAS-1	Pascack Brook on Harrington Ave., Westwood	Mercury	3	0	0	2	0	No Data	No Data	No Data
5	5-PAS-1	Pascack Brook on Harrington Ave., Westwood	Nickel	3	0	0	0	0	No Data	No Data	No Data
5	5-PAS-1	Pascack Brook on Harrington Ave., Westwood	Selenium	3	0	0	0	0	No Data	No Data	No Data
5	5-PAS-1	Pascack Brook on Harrington Ave., Westwood	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA
5	5-PAS-1	Pascack Brook on Harrington Ave., Westwood	Zinc	3	NA	0	0	0	NA	No Data	No Data
5	5-TEN-1	Tenakill Brook on Grant Ave, Creskill	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data
5	5-TEN-1	Tenakill Brook on Grant Ave, Creskill	Cadmium	3	0	0	0	0	No Data	No Data	No Data
5	5-TEN-1	Tenakill Brook on Grant Ave, Creskill	Chromium	3	0	0	0	0	No Data	No Data	No Data
5	5-TEN-1	Tenakill Brook on Grant Ave, Creskill	Copper	3	NA	0	0	0	NA	No Data	No Data
5	5-TEN-1	Tenakill Brook on Grant Ave, Creskill	Lead	3	1	0	0	0	No Data	No Data	No Data
5	5-TEN-1	Tenakill Brook on Grant Ave, Creskill	Mercury	3	0	0	QA	0	No Data	No Data	No Data
5	5-TEN-1	Tenakill Brook on Grant Ave, Creskill	Nickel	3	0	0	0	0	No Data	No Data	No Data
5	5-TEN-1	Tenakill Brook on Grant Ave, Creskill	Selenium	3	0	0	0	0	No Data	No Data	No Data
5	5-TEN-1	Tenakill Brook on Grant Ave, Creskill	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA
5	5-TEN-1	Tenakill Brook on Grant Ave, Creskill	Zinc	3	NA	0	0	0	NA	No Data	No Data
5	5-TEN-2	Tenakill Brook on Cedar Lane, Closter	Arsenic	3	1	0	0	0	No Data	No Data	No Data
5	5-TEN-2	Tenakill Brook on Cedar Lane, Closter	Cadmium	3	0	0	0	0	No Data	No Data	No Data
5	5-TEN-2	Tenakill Brook on Cedar Lane, Closter	Chromium	3	0	0	0	0	No Data	No Data	No Data
5	5-TEN-2	Tenakill Brook on Cedar Lane, Closter	Copper	3	NA	0	0	0	NA	No Data	No Data
5	5-TEN-2	Tenakill Brook on Cedar Lane, Closter	Lead	3	0	0	0	0	No Data	No Data	No Data
5	5-TEN-2	Tenakill Brook on Cedar Lane, Closter	Mercury	3	QA	0	QA	0	No Data	No Data	No Data
5	5-TEN-2	Tenakill Brook on Cedar Lane, Closter	Nickel	3	0	0	0	0	No Data	No Data	No Data
5	5-TEN-2	Tenakill Brook on Cedar Lane, Closter	Selenium	3	0	0	0	0	No Data	No Data	No Data
5	5-TEN-2	Tenakill Brook on Cedar Lane, Closter	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA

Table II-17. Data Summary of Metals in the Northeast Region

303d Site ID	Monitoring Location	Assessment Result	1998 303d List Page	Candidate List Category	Notes
5-DOR-1	Dorotockys Run on Old Tappan Rd, Old Tappan	Insufficient Data	NA	3	
5-DOR-1	Dorotockys Run on Old Tappan Rd, Old Tappan	Not Attain	NA	5	
5-DOR-1	Dorotockys Run on Old Tappan Rd, Old Tappan	Insufficient Data	NA	3	
5-DOR-1	Dorotockys Run on Old Tappan Rd, Old Tappan	Insufficient Data	NA	3	
5-DOR-1	Dorotockys Run on Old Tappan Rd, Old Tappan	No Data	NA	3	
5-DOR-1	Dorotockys Run on Old Tappan Rd, Old Tappan	Insufficient Data	NA	3	
5-DWA-1	Dwars Kill on Blanch Ave., Norwood	Insufficient Data	NA	3	
5-DWA-1	Dwars Kill on Blanch Ave., Norwood	Insufficient Data	NA	3	
5-DWA-1	Dwars Kill on Blanch Ave., Norwood	Insufficient Data	NA	3	
5-DWA-1	Dwars Kill on Blanch Ave., Norwood	Insufficient Data	NA	3	
5-DWA-1	Dwars Kill on Blanch Ave., Norwood	Insufficient Data	NA	3	
5-DWA-1	Dwars Kill on Blanch Ave., Norwood	Not Attain	NA	5	
5-DWA-1	Dwars Kill on Blanch Ave., Norwood	Insufficient Data	NA	3	
5-DWA-1	Dwars Kill on Blanch Ave., Norwood	Insufficient Data	NA	3	
5-DWA-1	Dwars Kill on Blanch Ave., Norwood	No Data	NA	3	
5-DWA-1	Dwars Kill on Blanch Ave., Norwood	Insufficient Data	NA	3	
5-PAS-1	Pascack Brook on Harrington Ave., Westwood	Not Attain	NA	5	
5-PAS-1	Pascack Brook on Harrington Ave., Westwood	Insufficient Data	NA	3	
5-PAS-1	Pascack Brook on Harrington Ave., Westwood	Insufficient Data	NA	3	
5-PAS-1	Pascack Brook on Harrington Ave., Westwood	Insufficient Data	NA	3	
5-PAS-1	Pascack Brook on Harrington Ave., Westwood	Insufficient Data	NA	3	
5-PAS-1	Pascack Brook on Harrington Ave., Westwood	Not Attain	NA	5	
5-PAS-1	Pascack Brook on Harrington Ave., Westwood	Insufficient Data	NA	3	
5-PAS-1	Pascack Brook on Harrington Ave., Westwood	Insufficient Data	NA	3	
5-PAS-1	Pascack Brook on Harrington Ave., Westwood	No Data	NA	3	
5-PAS-1	Pascack Brook on Harrington Ave., Westwood	Insufficient Data	NA	3	
5-TEN-1	Tenakill Brook on Grant Ave, Creskill	Insufficient Data	NA	3	
5-TEN-1	Tenakill Brook on Grant Ave, Creskill	Insufficient Data	NA	3	
5-TEN-1	Tenakill Brook on Grant Ave, Creskill	Insufficient Data	NA	3	
5-TEN-1	Tenakill Brook on Grant Ave, Creskill	Not Attain	NA	5	
5-TEN-1	Tenakill Brook on Grant Ave, Creskill	Insufficient Data	NA	3	
5-TEN-1	Tenakill Brook on Grant Ave, Creskill	Insufficient Data	NA	3	
5-TEN-1	Tenakill Brook on Grant Ave, Creskill	Insufficient Data	NA	3	
5-TEN-1	Tenakill Brook on Grant Ave, Creskill	No Data	NA	3	
5-TEN-1	Tenakill Brook on Grant Ave, Creskill	Insufficient Data	NA	3	
5-TEN-2	Tenakill Brook on Cedar Lane, Closter	Not Attain	NA	5	
5-TEN-2	Tenakill Brook on Cedar Lane, Closter	Insufficient Data	NA	3	
5-TEN-2	Tenakill Brook on Cedar Lane, Closter	Insufficient Data	NA	3	
5-TEN-2	Tenakill Brook on Cedar Lane, Closter	Insufficient Data	NA	3	
5-TEN-2	Tenakill Brook on Cedar Lane, Closter	Insufficient Data	NA	3	
5-TEN-2	Tenakill Brook on Cedar Lane, Closter	Insufficient Data	NA	3	
5-TEN-2	Tenakill Brook on Cedar Lane, Closter	Insufficient Data	NA	3	
5-TEN-2	Tenakill Brook on Cedar Lane, Closter	No Data	NA	3	

Table II-17. Data Summary of Metals in the Northeast Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc
5	5-TEN-2	Tenakill Brook on Cedar Lane, Closter	Zinc	3	NA	0	0	0	NA	No Data	No Data
6	6-ROC-1; 6-SITE-10	Rockaway River at Pine Brook	Arsenic	6	MDL	0	0	1	MDL	0	0
6	6-ROC-1; 6-SITE-10	Rockaway River at Pine Brook	Cadmium	6	0	0	MDL	1	0	0	MDL
6	6-ROC-1; 6-SITE-10	Rockaway River at Pine Brook	Chromium	6	0	0	0	1	0	0	0
6	6-ROC-1; 6-SITE-10	Rockaway River at Pine Brook	Copper	6	NA	0	0	1	NA	0	0
6	6-ROC-1; 6-SITE-10	Rockaway River at Pine Brook	Lead	6	0	0	1	1	0	0	1
6	6-ROC-1; 6-SITE-10	Rockaway River at Pine Brook	Mercury	6	0	0	MDL	1	0	0	MDL
6	6-ROC-1; 6-SITE-10	Rockaway River at Pine Brook	Nickel	3	0	0	0	1	0	0	0
6	6-ROC-1; 6-SITE-10	Rockaway River at Pine Brook	Selenium	6	0	0	0	1	0	0	0
6	6-ROC-1; 6-SITE-10	Rockaway River at Pine Brook	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA
6	6-ROC-1; 6-SITE-10	Rockaway River at Pine Brook	Tetrachloroethylene	3	MDL	NA	NA	0	No Data	NA	NA
6	6-ROC-1; 6-SITE-10	Rockaway River at Pine Brook	Trichloroethylene	3	0	NA	NA	0	No Data	NA	NA
6	6-ROC-1; 6-SITE-10	Rockaway River at Pine Brook	Zinc	6	NA	0	0	1	NA	0	0
6	6-SITE-11	Rockaway River at Boonton	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data
6	6-SITE-11	Rockaway River at Boonton	Cadmium	3	0	0	MDL	0	No Data	No Data	No Data
6	6-SITE-11	Rockaway River at Boonton	Chromium	3	0	0	0	0	No Data	No Data	No Data
6	6-SITE-11	Rockaway River at Boonton	Copper	0	NA	No Data	No Data	0	NA	No Data	No Data
6	6-SITE-11	Rockaway River at Boonton	Lead	3	0	0	0	0	No Data	No Data	No Data
6	6-SITE-11	Rockaway River at Boonton	Mercury	3	0	0	MDL	0	No Data	No Data	No Data
6	6-SITE-11	Rockaway River at Boonton	Nickel	0	No Data	No Data	No Data	0	No Data	No Data	No Data
6	6-SITE-11	Rockaway River at Boonton	Selenium	0	No Data	No Data	No Data	0	No Data	No Data	No Data
6	6-SITE-11	Rockaway River at Boonton	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA
6	6-SITE-11	Rockaway River at Boonton	Tetrachloroethylene	0	No Data	No Data	NA	0	No Data	No Data	NA
6	6-SITE-11	Rockaway River at Boonton	Trichloroethylene	0	No Data	NA	NA	0	No Data	NA	NA
6	6-SITE-11	Rockaway River at Boonton	Zinc	3	NA	0	0	0	NA	No Data	No Data
6	6-SITE-3	Passaic at Two Bridges	Arsenic	3	1	0	0	0	No Data	No Data	No Data
6	6-SITE-3	Passaic at Two Bridges	Cadmium	0	No Data	No Data	No Data	0	No Data	No Data	No Data
6	6-SITE-3	Passaic at Two Bridges	Chromium	2	0	0	0	0	No Data	No Data	No Data
6	6-SITE-3	Passaic at Two Bridges	Copper	3	NA	0	0	0	NA	No Data	No Data
6	6-SITE-3	Passaic at Two Bridges	Lead	3	0	0	0	0	No Data	No Data	No Data
6	6-SITE-3	Passaic at Two Bridges	Mercury	3	0	0	MDL	0	No Data	No Data	No Data
6	6-SITE-3	Passaic at Two Bridges	Nickel	0	No Data	No Data	No Data	0	No Data	No Data	No Data
6	6-SITE-3	Passaic at Two Bridges	Selenium	0	No Data	No Data	No Data	0	No Data	No Data	No Data
6	6-SITE-3	Passaic at Two Bridges	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA
6	6-SITE-3	Passaic at Two Bridges	Zinc	0	NA	No Data	No Data	0	NA	No Data	No Data
6	6-WHI-1	Whippany River at Morristown	Arsenic	3	MDL	0	0	1	MDL	0	0
6	6-WHI-1	Whippany River at Morristown	Cadmium	6	0	0	MDL	1	0	0	MDL
6	6-WHI-1	Whippany River at Morristown	Chromium	3	0	0	0	1	0	0	0
6	6-WHI-1	Whippany River at Morristown	Copper	6	NA	0	0	1	NA	0	0
6	6-WHI-1	Whippany River at Morristown	Lead	6	0	0	0	1	0	0	0
6	6-WHI-1	Whippany River at Morristown	Mercury	3	0	0	MDL	1	0	0	MDL
6	6-WHI-1	Whippany River at Morristown	Nickel	3	0	0	0	1	0	0	0
6	6-WHI-1	Whippany River at Morristown	Selenium	3	0	0	0	1	0	0	0
6	6-WHI-1	Whippany River at Morristown	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA
6	6-WHI-1	Whippany River at Morristown	Zinc	3	NA	0	0	1	NA	0	0

Table II-17. Data Summary of Metals in the Northeast Region

303d Site ID	Monitoring Location	Assessment Result	1998 303d List Page	Candidate List Category	Notes
5-TEN-2	Tenakill Brook on Cedar Lane, Closter	Insufficient Data	NA	3	
6-ROC-1; 6-SITE-10	Rockaway River at Pine Brook	Insufficient Data	A60	3	
6-ROC-1; 6-SITE-10	Rockaway River at Pine Brook	Insufficient Data	A60	3	
6-ROC-1; 6-SITE-10	Rockaway River at Pine Brook	Attain	A60	1	
6-ROC-1; 6-SITE-10	Rockaway River at Pine Brook	Attain	NA	1	
6-ROC-1; 6-SITE-10	Rockaway River at Pine Brook	Not Attain	A60	5	
6-ROC-1; 6-SITE-10	Rockaway River at Pine Brook	Insufficient Data	A60	3	
6-ROC-1; 6-SITE-10	Rockaway River at Pine Brook	Attain	NA	1	
6-ROC-1; 6-SITE-10	Rockaway River at Pine Brook	Attain	A60	1	
6-ROC-1; 6-SITE-10	Rockaway River at Pine Brook	No Data	NA	3	
6-ROC-1; 6-SITE-10	Rockaway River at Pine Brook	Insufficient Data	A60	5	
6-ROC-1; 6-SITE-10	Rockaway River at Pine Brook	Insufficient Data	A60	5	
6-ROC-1; 6-SITE-10	Rockaway River at Pine Brook	Attain	A60	1	
6-SITE-11	Rockaway River at Boonton	Insufficient Data	A60	5	No elevated flow sample
6-SITE-11	Rockaway River at Boonton	Insufficient Data	A60	5	No elevated flow sample
6-SITE-11	Rockaway River at Boonton	Insufficient Data	A60	5	No elevated flow sample
6-SITE-11	Rockaway River at Boonton	No Data	NA	3	No elevated flow sample
6-SITE-11	Rockaway River at Boonton	Insufficient Data	A60	5	No elevated flow sample
6-SITE-11	Rockaway River at Boonton	Insufficient Data	A60	5	No elevated flow sample
6-SITE-11	Rockaway River at Boonton	No Data	NA	3	No elevated flow sample
6-SITE-11	Rockaway River at Boonton	No Data	A60	5	No elevated flow sample
6-SITE-11	Rockaway River at Boonton	No Data	NA	3	No elevated flow sample
6-SITE-11	Rockaway River at Boonton	No Data	A60	5	No baseflow or elevated flow sample
6-SITE-11	Rockaway River at Boonton	No Data	A60	5	No baseflow or elevated flow sample
6-SITE-11	Rockaway River at Boonton	Insufficient Data	A60	5	No elevated flow sample
6-SITE-3	Passaic at Two Bridges	Not Attain	A59	5	No elevated flow sample
6-SITE-3	Passaic at Two Bridges	No Data	NA	3	No elevated flow sample
6-SITE-3	Passaic at Two Bridges	Insufficient Data	A59	5	No elevated flow sample
6-SITE-3	Passaic at Two Bridges	Insufficient Data	A59	5	No elevated flow sample
6-SITE-3	Passaic at Two Bridges	Insufficient Data	A59	5	No elevated flow sample
6-SITE-3	Passaic at Two Bridges	Insufficient Data	A59	5	No elevated flow sample
6-SITE-3	Passaic at Two Bridges	No Data	NA	3	No elevated flow sample
6-SITE-3	Passaic at Two Bridges	No Data	NA	3	No elevated flow sample
6-SITE-3	Passaic at Two Bridges	No Data	NA	3	No elevated flow sample
6-SITE-3	Passaic at Two Bridges	No Data	NA	3	No elevated flow sample
6-SITE-3	Passaic at Two Bridges	No Data	NA	3	No elevated flow sample
6-WHI-1	Whippany River at Morristown	Insufficient Data	A58	3	
6-WHI-1	Whippany River at Morristown	Insufficient Data	A58	3	
6-WHI-1	Whippany River at Morristown	Attain	A58	1	
6-WHI-1	Whippany River at Morristown	Attain	A58	1	
6-WHI-1	Whippany River at Morristown	Attain	A58	1	
6-WHI-1	Whippany River at Morristown	Insufficient Data	A58	3	
6-WHI-1	Whippany River at Morristown	Attain	NA	1	
6-WHI-1	Whippany River at Morristown	Attain	NA	1	
6-WHI-1	Whippany River at Morristown	No Data	NA	3	
6-WHI-1	Whippany River at Morristown	Attain	NA	3	

Table II-17. Data Summary of Metals in the Northeast Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc
6	6-WHI-2	Whippany River at Pine Brook	Arsenic	3	MDL	0	0	1	MDL	0	0
6	6-WHI-2	Whippany River at Pine Brook	Cadmium	6	0	0	0	1	0	0	MDL
6	6-WHI-2	Whippany River at Pine Brook	Chromium	3	0	0	0	1	0	0	0
6	6-WHI-2	Whippany River at Pine Brook	Copper	6	NA	0	0	1	NA	0	0
6	6-WHI-2	Whippany River at Pine Brook	Lead	6	0	0	0	1	1	0	1
6	6-WHI-2	Whippany River at Pine Brook	Mercury	3	0	0	MDL	1	0	0	MDL
6	6-WHI-2	Whippany River at Pine Brook	Nickel	3	0	0	0	1	0	0	0
6	6-WHI-2	Whippany River at Pine Brook	Selenium	3	0	0	0	1	0	0	0
6	6-WHI-2	Whippany River at Pine Brook	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA
6	6-WHI-2	Whippany River at Pine Brook	Zinc	3	NA	0	0	1	NA	0	0
5	5-HAC-2	Hackensack River on Old Tappan Rd., Riverv	Arsenic	3	3	0	0	0	No Data	No Data	No Data
5	5-HAC-2	Hackensack River on Old Tappan Rd., Riverv	Cadmium	3	0	0	0	0	No Data	No Data	No Data
5	5-HAC-2	Hackensack River on Old Tappan Rd., Riverv	Chromium	3	0	0	0	0	No Data	No Data	No Data
5	5-HAC-2	Hackensack River on Old Tappan Rd., Riverv	Copper	3	NA	0	0	0	NA	No Data	No Data
5	5-HAC-2	Hackensack River on Old Tappan Rd., Riverv	Lead	3	0	0	0	0	No Data	No Data	No Data
5	5-HAC-2	Hackensack River on Old Tappan Rd., Riverv	Mercury	3	QA	QA	QA	0	No Data	No Data	No Data
5	5-HAC-2	Hackensack River on Old Tappan Rd., Riverv	Nickel	3	0	0	0	0	No Data	No Data	No Data
5	5-HAC-2	Hackensack River on Old Tappan Rd., Riverv	Selenium	3	0	0	0	0	No Data	No Data	No Data
5	5-HAC-2	Hackensack River on Old Tappan Rd., Riverv	Silver	0	No Data	No Data	No Data	0	No Data	No Data	NA
5	5-HAC-2	Hackensack River on Old Tappan Rd., Riverv	Zinc	3	NA	0	0	0	NA	No Data	No Data
5	5-HAC-3	Hackensack River on Westwood Ave., Riverv	Arsenic	3	3	0	0	0	No Data	No Data	No Data
5	5-HAC-3	Hackensack River on Westwood Ave., Riverv	Cadmium	3	0	0	0	0	No Data	No Data	No Data
5	5-HAC-3	Hackensack River on Westwood Ave., Riverv	Chromium	3	0	0	0	0	No Data	No Data	No Data
5	5-HAC-3	Hackensack River on Westwood Ave., Riverv	Copper	3	NA	0	0	0	NA	No Data	No Data
5	5-HAC-3	Hackensack River on Westwood Ave., Riverv	Lead	3	0	0	0	0	No Data	No Data	No Data
5	5-HAC-3	Hackensack River on Westwood Ave., Riverv	Mercury	3	1	0	2	0	No Data	No Data	No Data
5	5-HAC-3	Hackensack River on Westwood Ave., Riverv	Nickel	3	0	0	0	0	No Data	No Data	No Data
5	5-HAC-3	Hackensack River on Westwood Ave., Riverv	Selenium	3	0	0	0	0	No Data	No Data	No Data
5	5-HAC-3	Hackensack River on Westwood Ave., Riverv	Silver	0	No Data	No Data	No Data	0	No Data	No Data	NA
5	5-HAC-3	Hackensack River on Westwood Ave., Riverv	Zinc	3	NA	0	0	0	NA	No Data	No Data
6	6-SITE-2; 6-PAS-1	Passaic River nr Millington	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data
6	6-SITE-2; 6-PAS-1	Passaic River nr Millington	Cadmium	3	0	0	MDL	0	No Data	No Data	No Data
6	6-SITE-2; 6-PAS-1	Passaic River nr Millington	Chromium	3	0	0	0	0	No Data	No Data	No Data
6	6-SITE-2; 6-PAS-1	Passaic River nr Millington	Copper	6	NA	1	1	0	NA	No Data	No Data
6	6-SITE-2; 6-PAS-1	Passaic River nr Millington	Cyanide	0	No Data	No Data	No Data	0	No Data	No Data	No Data
6	6-SITE-2; 6-PAS-1	Passaic River nr Millington	Lead	6	0	0	0	0	No Data	No Data	No Data
6	6-SITE-2; 6-PAS-1	Passaic River nr Millington	Mercury	3	0	0	MDL	0	No Data	No Data	No Data
6	6-SITE-2; 6-PAS-1	Passaic River nr Millington	Nickel	3	0	0	0	0	No Data	No Data	No Data
6	6-SITE-2; 6-PAS-1	Passaic River nr Millington	Selenium	3	0	0	0	0	No Data	No Data	No Data
6	6-SITE-2; 6-PAS-1	Passaic River nr Millington	Silver	3	0	0	NA	0	No Data	No Data	NA
6	6-SITE-2; 6-PAS-1	Passaic River nr Millington	Zinc	3	NA	0	0	0	NA	No Data	No Data
6	6-SITE-1; 6-PAS-2	Passaic River nr Chatham	Arsenic	3	3	0	0	0	No Data	No Data	No Data
6	6-SITE-1; 6-PAS-2	Passaic River nr Chatham	Cadmium	3	0	0	MDL	0	No Data	No Data	No Data
6	6-SITE-1; 6-PAS-2	Passaic River nr Chatham	Chromium	3	0	0	0	0	No Data	No Data	No Data
6	6-SITE-1; 6-PAS-2	Passaic River nr Chatham	Copper	3	NA	0	0	0	NA	No Data	No Data

Table II-17. Data Summary of Metals in the Northeast Region

303d Site ID	Monitoring Location	Assessment Result	1998 303d List Page	Candidate List Category	Notes
6-WHI-2	Whippany River at Pine Brook	Insufficient Data	NA	3	
6-WHI-2	Whippany River at Pine Brook	Insufficient Data	NA	3	
6-WHI-2	Whippany River at Pine Brook	Attain	A58	1	
6-WHI-2	Whippany River at Pine Brook	Attain	NA	1	
6-WHI-2	Whippany River at Pine Brook	Not Attain	NA	5	
6-WHI-2	Whippany River at Pine Brook	Insufficient Data	NA	3	
6-WHI-2	Whippany River at Pine Brook	Attain	NA	1	
6-WHI-2	Whippany River at Pine Brook	Attain	NA	1	
6-WHI-2	Whippany River at Pine Brook	No Data	NA	3	
6-WHI-2	Whippany River at Pine Brook	Attain	NA	1	
5-HAC-2	Hackensack River on Old Tappan Rd., Riverv	Not Attain	NA	5	
5-HAC-2	Hackensack River on Old Tappan Rd., Riverv	Insufficient Data	NA	3	
5-HAC-2	Hackensack River on Old Tappan Rd., Riverv	Insufficient Data	NA	3	
5-HAC-2	Hackensack River on Old Tappan Rd., Riverv	Insufficient Data	NA	3	
5-HAC-2	Hackensack River on Old Tappan Rd., Riverv	Insufficient Data	NA	3	
5-HAC-2	Hackensack River on Old Tappan Rd., Riverv	Insufficient Data	NA	3	Hg- QA Issue
5-HAC-2	Hackensack River on Old Tappan Rd., Riverv	Insufficient Data	NA	3	
5-HAC-2	Hackensack River on Old Tappan Rd., Riverv	Insufficient Data	NA	3	
5-HAC-2	Hackensack River on Old Tappan Rd., Riverv	No Data	NA	3	
5-HAC-2	Hackensack River on Old Tappan Rd., Riverv	Insufficient Data	NA	3	
5-HAC-3	Hackensack River on Westwood Ave., Riverv	Not Attain	A62	5	No elevated flow data
5-HAC-3	Hackensack River on Westwood Ave., Riverv	Insufficient Data	NA	3	No elevated flow data
5-HAC-3	Hackensack River on Westwood Ave., Riverv	Insufficient Data	A62	5	No elevated flow data
5-HAC-3	Hackensack River on Westwood Ave., Riverv	Insufficient Data	A62	5	No elevated flow data
5-HAC-3	Hackensack River on Westwood Ave., Riverv	Insufficient Data	A62	5	No elevated flow data
5-HAC-3	Hackensack River on Westwood Ave., Riverv	Not Attain	A62	5	No elevated flow data
5-HAC-3	Hackensack River on Westwood Ave., Riverv	Insufficient Data	A62	5	No elevated flow data
5-HAC-3	Hackensack River on Westwood Ave., Riverv	Insufficient Data	NA	3	No elevated flow data
5-HAC-3	Hackensack River on Westwood Ave., Riverv	No Data	NA	3	No elevated flow data
5-HAC-3	Hackensack River on Westwood Ave., Riverv	Insufficient Data	NA	3	No elevated flow data
6-SITE-2; 6-PAS-1	Passaic River nr Millington	Insufficient Data	A59	5	No elevated flow data
6-SITE-2; 6-PAS-1	Passaic River nr Millington	Insufficient Data	A59	5	No elevated flow data
6-SITE-2; 6-PAS-1	Passaic River nr Millington	Insufficient Data	NA	3	No elevated Q sample
6-SITE-2; 6-PAS-1	Passaic River nr Millington	Not Attain	A59	5	No elevated flow data
6-SITE-2; 6-PAS-1	Passaic River nr Millington	No Data	A59	5	Baseflow and elevated flow data needed
6-SITE-2; 6-PAS-1	Passaic River nr Millington	Insufficient Data	A59	5	No elevated flow data
6-SITE-2; 6-PAS-1	Passaic River nr Millington	Insufficient Data	A59	5	No elevated flow data
6-SITE-2; 6-PAS-1	Passaic River nr Millington	Insufficient Data	NA	3	No elevated Q sample
6-SITE-2; 6-PAS-1	Passaic River nr Millington	Insufficient Data	NA	3	No elevated Q sample
6-SITE-2; 6-PAS-1	Passaic River nr Millington	Insufficient Data	A59	5	No elevated flow data
6-SITE-2; 6-PAS-1	Passaic River nr Millington	Insufficient Data	A59	5	No elevated flow data
6-SITE-1; 6-PAS-2	Passaic River nr Chatham	Not Attain	A59	5	No elevated flow data
6-SITE-1; 6-PAS-2	Passaic River nr Chatham	Insufficient Data	A59	5	No elevated flow data
6-SITE-1; 6-PAS-2	Passaic River nr Chatham	Insufficient Data	NA	3	No elevated Q sample
6-SITE-1; 6-PAS-2	Passaic River nr Chatham	Insufficient Data	A59	5	No elevated flow data

Table II-17. Data Summary of Metals in the Northeast Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc
6	6-SITE-1; 6-PAS-2	Passaic River nr Chatham	Cyanide	0	No Data	No Data	No Data	0	No Data	No Data	No Data
6	6-SITE-1; 6-PAS-2	Passaic River nr Chatham	Lead	6	2	0	1	0	No Data	No Data	No Data
6	6-SITE-1; 6-PAS-2	Passaic River nr Chatham	Mercury	3	0	0	MDL	0	No Data	No Data	No Data
6	6-SITE-1; 6-PAS-2	Passaic River nr Chatham	Nickel	3	0	0	0	0	No Data	No Data	No Data
6	6-SITE-1; 6-PAS-2	Passaic River nr Chatham	Selenium	3	0	0	0	0	No Data	No Data	No Data
6	6-SITE-1; 6-PAS-2	Passaic River nr Chatham	Silver	3	0	0	NA	0	No Data	No Data	NA
6	6-SITE-1; 6-PAS-2	Passaic River nr Chatham	Zinc	3	NA	0	0	0	NA	No Data	No Data
5	NA	Ackermans Creek	Chromium	0	No Data	No Data	No Data	0	No Data	No Data	No Data
5	NA	Ackermans Creek	Mercury	0	No Data	No Data	No Data	0	No Data	No Data	No Data
5	NA	Ackermans Creek	PCB1254	0	No Data	No Data	No Data	0	No Data	No Data	No Data
5	NA	Ackermans Creek	Chlorinated Benzene	0	No Data	No Data	No Data	0	No Data	No Data	No Data
5	NA	Berry's Creek	Mercury in Sediment	0	No Data	No Data	No Data	0	No Data	No Data	No Data
5	NA	Hackensack River - Tidal	Copper	0	No Data	No Data	No Data	0	No Data	No Data	No Data
5	NA	Hackensack River - Tidal	Lead	0	No Data	No Data	No Data	0	No Data	No Data	No Data
5	NA	Hackensack River - Tidal	Mercury	0	No Data	No Data	No Data	0	No Data	No Data	No Data
5	NA	Hackensack River - Tidal	Nickel	0	No Data	No Data	No Data	0	No Data	No Data	No Data
4	NA	Passaic River & Estuary	Arsenic	0	No Data	No Data	No Data	0	No Data	No Data	No Data
4	NA	Passaic River & Estuary	Copper	0	No Data	No Data	No Data	0	No Data	No Data	No Data
4	NA	Passaic River & Estuary	Lead	0	No Data	No Data	No Data	0	No Data	No Data	No Data
4	NA	Passaic River & Estuary	Mercury	0	No Data	No Data	No Data	0	No Data	No Data	No Data
4	NA	Passaic River & Estuary	Nickel	0	No Data	No Data	No Data	0	No Data	No Data	No Data
5	HR7	Hudson River nr Yonkers	Mercury	0	No Data	No Data	No Data	0	No Data	No Data	No Data
5	HR4	Hudson River at G.W. Bridge	Mercury	0	No Data	No Data	No Data	0	No Data	No Data	No Data
5	NA	Hudson River- NYC Area	Mercury	0	No Data	No Data	No Data	0	No Data	No Data	No Data
5	HR1, HR2	Hudson River - NYC & Battery	Mercury	0	No Data	No Data	No Data	0	No Data	No Data	No Data
5	HR1, HR2	NYC and Battery	Mercury	0	No Data	No Data	No Data	0	No Data	No Data	No Data
5	UH-11	Kill Van Kull	Copper	0	No Data	No Data	No Data	0	No Data	No Data	No Data
5	UH-11	Kill Van Kull	Lead	0	No Data	No Data	No Data	0	No Data	No Data	No Data
5	UH-11	Kill Van Kull	Mercury	0	No Data	No Data	No Data	0	No Data	No Data	No Data
5	UH-11	Kill Van Kull	Nickel	0	No Data	No Data	No Data	0	No Data	No Data	No Data
5	NA	Newark Bay	Copper	0	No Data	No Data	No Data	0	No Data	No Data	No Data
5	NA	Newark Bay	Lead	0	No Data	No Data	No Data	0	No Data	No Data	No Data
5	NA	Newark Bay	Mercury	0	No Data	No Data	No Data	0	No Data	No Data	No Data
5	NA	Newark Bay	Nickel	0	No Data	No Data	No Data	0	No Data	No Data	No Data
5	NA	Arthur Kill	Copper	0	No Data	No Data	No Data	0	No Data	No Data	No Data
5	NA	Arthur Kill	Lead	0	No Data	No Data	No Data	0	No Data	No Data	No Data
5	NA	Arthur Kill	Mercury	0	No Data	No Data	No Data	0	No Data	No Data	No Data
5	NA	Arthur Kill	Nickel	0	No Data	No Data	No Data	0	No Data	No Data	No Data

Table II-17. Data Summary of Metals in the Northeast Region

303d Site ID	Monitoring Location	Assessment Result	1998 303d List Page	Candidate List Category	Notes
6-SITE-1; 6-PAS-2	Passaic River nr Chatham	No Data	A59	5	No elevated flow data
6-SITE-1; 6-PAS-2	Passaic River nr Chatham	Not Attain	A59	5	No elevated flow data
6-SITE-1; 6-PAS-2	Passaic River nr Chatham	Insufficient Data	A59	5	No elevated flow data
6-SITE-1; 6-PAS-2	Passaic River nr Chatham	Insufficient Data	NA	3	No elevated Q sample
6-SITE-1; 6-PAS-2	Passaic River nr Chatham	Insufficient Data	NA	3	No elevated Q sample
6-SITE-1; 6-PAS-2	Passaic River nr Chatham	Insufficient Data	A59	5	No elevated flow data
6-SITE-1; 6-PAS-2	Passaic River nr Chatham	Insufficient Data	A59	5	No elevated flow data
NA	Ackermans Creek	No Data	Fed Reg	4	Remanded 303d List
NA	Ackermans Creek	No Data	Fed Reg	4	Remanded 303d List
NA	Ackermans Creek	No Data	Fed Reg	4	Remanded 303d List
NA	Ackermans Creek	No Data	Fed Reg	4	Remanded 303d List
NA	Berry's Creek	No Data	Fed Reg	4	Remanded 303d List
NA	Hackensack River - Tidal	Attain	A62	1	GLEC, 1996
NA	Hackensack River - Tidal	Attain	A62	1	GLEC, 1996
NA	Hackensack River - Tidal	Not Attain	NA	5	GLEC, 1996
NA	Hackensack River - Tidal	Not Attain	A62	4	TMDL Completed by USEPA (1999)
NA	Passaic River & Estuary	No Data	A61	5	
NA	Passaic River & Estuary	Attain	A61	1	GLEC, 1996
NA	Passaic River & Estuary	Attain	A61	1	GLEC, 1996
NA	Passaic River & Estuary	Not Attain	A61	5	GLEC, 1996
NA	Passaic River & Estuary	Attain	A61	1	USEPA, 1999
HR7	Hudson River nr Yonkers	Not Attain	A98	5	GLEC, 1996
HR4	Hudson River at G.W. Bridge	Not Attain	A98	5	GLEC, 1996
NA	Hudson River- NYC Area	Not Attain	A98	5	GLEC, 1996
HR1, HR2	Hudson River - NYC & Battery	Not Attain	A98	5	GLEC, 1996
HR1, HR2	NYC and Battery	Not Attain	A98	5	GLEC, 1996
UH-11	Kill Van Kull	Attain	A98	1	GLEC, 1996
UH-11	Kill Van Kull	Attain	A98	1	GLEC, 1996
UH-11	Kill Van Kull	Not Attain	A98	5	GLEC, 1996
UH-11	Kill Van Kull	Attain	A98	1	GLEC, 1996
NA	Newark Bay	Attain	A98	1	GLEC, 1996
NA	Newark Bay	Attain	A98	1	GLEC, 1996
NA	Newark Bay	Not Attain	A98	5	GLEC, 1996
NA	Newark Bay	Attain	A98	1	GLEC, 1996
NA	Arthur Kill	Attain	A98	1	GLEC, 1996
NA	Arthur Kill	Attain	A98	1	GLEC, 1996
NA	Arthur Kill	Not Attain	A98	5	GLEC, 1996
NA	Arthur Kill	Attain	A98	1	GLEC, 1996

Table II-18. Data Summary of Metals in the Raritan Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc
7	7-ELI-1	Elizabeth River on Columbia Ave, Hillside	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data
7	7-ELI-1	Elizabeth River on Columbia Ave, Hillside	Cadmium	3	0	0	0	0	No Data	No Data	No Data
7	7-ELI-1	Elizabeth River on Columbia Ave, Hillside	Chromium	3	0	0	0	0	No Data	No Data	No Data
7	7-ELI-1	Elizabeth River on Columbia Ave, Hillside	Copper	3	NA	0	0	0	NA	No Data	No Data
7	7-ELI-1	Elizabeth River on Columbia Ave, Hillside	Lead	3	0	0	0	0	No Data	No Data	No Data
7	7-ELI-1	Elizabeth River on Columbia Ave, Hillside	Mercury	3	0	0	QA	0	No Data	No Data	No Data
7	7-ELI-1	Elizabeth River on Columbia Ave, Hillside	Nickel	3	0	0	0	0	No Data	No Data	No Data
7	7-ELI-1	Elizabeth River on Columbia Ave, Hillside	Selenium	3	0	0	0	0	No Data	No Data	No Data
7	7-ELI-1	Elizabeth River on Columbia Ave, Hillside	Silver	3	0	0	NA	0	No Data	No Data	NA
7	7-ELI-1	Elizabeth River on Columbia Ave, Hillside	Thallium	3	0	NA	NA	0	No Data	NA	NA
7	7-ELI-1	Elizabeth River on Columbia Ave, Hillside	Zinc	3	NA	0	0	0	NA	No Data	No Data
7	7-ELI-2	Elizabeth River on Ursino Rd., Elizabeth	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data
7	7-ELI-2	Elizabeth River on Ursino Rd., Elizabeth	Cadmium	3	0	0	0	0	No Data	No Data	No Data
7	7-ELI-2	Elizabeth River on Ursino Rd., Elizabeth	Chromium	3	0	0	0	0	No Data	No Data	No Data
7	7-ELI-2	Elizabeth River on Ursino Rd., Elizabeth	Copper	3	NA	0	0	0	NA	No Data	No Data
7	7-ELI-2	Elizabeth River on Ursino Rd., Elizabeth	Lead	3	0	0	0	0	No Data	No Data	No Data
7	7-ELI-2	Elizabeth River on Ursino Rd., Elizabeth	Mercury	3	0	0	QA	0	No Data	No Data	No Data
7	7-ELI-2	Elizabeth River on Ursino Rd., Elizabeth	Nickel	3	0	0	0	0	No Data	No Data	No Data
7	7-ELI-2	Elizabeth River on Ursino Rd., Elizabeth	Selenium	3	0	0	0	0	No Data	No Data	No Data
7	7-ELI-2	Elizabeth River on Ursino Rd., Elizabeth	Silver	3	0	0	NA	0	No Data	No Data	NA
7	7-ELI-2	Elizabeth River on Ursino Rd., Elizabeth	Thallium	3	0	NA	NA	0	No Data	NA	NA
7	7-ELI-2	Elizabeth River on Ursino Rd., Elizabeth	Zinc	3	NA	0	0	0	NA	No Data	No Data
7	7-MOR-1	Morse Creek on Edgar Rd. Linden	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data
7	7-MOR-1	Morse Creek on Edgar Rd. Linden	Cadmium	3	0	0	0	0	No Data	No Data	No Data
7	7-MOR-1	Morse Creek on Edgar Rd. Linden	Chromium	3	0	0	0	0	No Data	No Data	No Data
7	7-MOR-1	Morse Creek on Edgar Rd. Linden	Copper	3	NA	0	0	0	NA	No Data	No Data
7	7-MOR-1	Morse Creek on Edgar Rd. Linden	Lead	3	0	0	0	0	No Data	No Data	No Data
7	7-MOR-1	Morse Creek on Edgar Rd. Linden	Mercury	3	0	0	QA	0	No Data	No Data	No Data
7	7-MOR-1	Morse Creek on Edgar Rd. Linden	Nickel	3	0	0	0	0	No Data	No Data	No Data
7	7-MOR-1	Morse Creek on Edgar Rd. Linden	Selenium	3	0	0	0	0	No Data	No Data	No Data
7	7-MOR-1	Morse Creek on Edgar Rd. Linden	Silver	3	0	0	NA	0	No Data	No Data	NA
7	7-MOR-1	Morse Creek on Edgar Rd. Linden	Thallium	3	0	NA	NA	0	No Data	NA	NA
7	7-MOR-1	Morse Creek on Edgar Rd. Linden	Zinc	3	NA	0	0	0	NA	No Data	No Data
7	7-RAH-1	Rahway River on St. George Ave, Rahway	Arsenic	3	MDL	0	0	2	2	0	0
7	7-RAH-1	Rahway River on St. George Ave, Rahway	Cadmium	3	0	0	0	2	0	0	0
7	7-RAH-1	Rahway River on St. George Ave, Rahway	Chromium	3	0	0	0	2	0	0	0
7	7-RAH-1	Rahway River on St. George Ave, Rahway	Copper	3	NA	0	0	2	NA	0	0
7	7-RAH-1	Rahway River on St. George Ave, Rahway	Lead	3	0	0	0	2	0	0	0
7	7-RAH-1	Rahway River on St. George Ave, Rahway	Mercury	3	0	0	QA	2	0	0	MDL
7	7-RAH-1	Rahway River on St. George Ave, Rahway	Nickel	3	0	0	0	2	0	0	0
7	7-RAH-1	Rahway River on St. George Ave, Rahway	Selenium	3	0	0	0	2	0	0	0
7	7-RAH-1	Rahway River on St. George Ave, Rahway	Silver	3	0	0	NA	2	No Data	No Data	NA
7	7-RAH-1	Rahway River on St. George Ave, Rahway	Thallium	3	0	NA	NA	2	No Data	NA	NA
7	7-RAH-1	Rahway River on St. George Ave, Rahway	Zinc	3	NA	0	0	2	NA	0	0

Table II-18. Data Summary of Metals in the Raritan Region

303d Site ID	Monitoring Location	Assessment Result	1998 303d List Page	Candidate List Category	Notes
7-ELI-1	Elizabeth River on Columbia Ave, Hillside	Insufficient Data	NA	3	
7-ELI-1	Elizabeth River on Columbia Ave, Hillside	Insufficient Data	NA	3	
7-ELI-1	Elizabeth River on Columbia Ave, Hillside	Insufficient Data	NA	3	
7-ELI-1	Elizabeth River on Columbia Ave, Hillside	Insufficient Data	NA	3	
7-ELI-1	Elizabeth River on Columbia Ave, Hillside	Insufficient Data	NA	3	
7-ELI-1	Elizabeth River on Columbia Ave, Hillside	Insufficient Data	NA	3	Detectable Hg in Equipment and Trip Blanks
7-ELI-1	Elizabeth River on Columbia Ave, Hillside	Insufficient Data	NA	3	
7-ELI-1	Elizabeth River on Columbia Ave, Hillside	Insufficient Data	NA	3	
7-ELI-1	Elizabeth River on Columbia Ave, Hillside	Insufficient Data	NA	3	
7-ELI-1	Elizabeth River on Columbia Ave, Hillside	Insufficient Data	NA	3	
7-ELI-1	Elizabeth River on Columbia Ave, Hillside	Insufficient Data	NA	3	
7-ELI-2	Elizabeth River on Ursino Rd., Elizabeth	Insufficient Data	NA	3	
7-ELI-2	Elizabeth River on Ursino Rd., Elizabeth	Insufficient Data	NA	3	
7-ELI-2	Elizabeth River on Ursino Rd., Elizabeth	Insufficient Data	NA	3	
7-ELI-2	Elizabeth River on Ursino Rd., Elizabeth	Insufficient Data	NA	3	
7-ELI-2	Elizabeth River on Ursino Rd., Elizabeth	Insufficient Data	NA	3	
7-ELI-2	Elizabeth River on Ursino Rd., Elizabeth	Insufficient Data	NA	3	Detectable Hg in Equipment and Trip Blanks
7-ELI-2	Elizabeth River on Ursino Rd., Elizabeth	Insufficient Data	NA	3	
7-ELI-2	Elizabeth River on Ursino Rd., Elizabeth	Insufficient Data	NA	3	
7-ELI-2	Elizabeth River on Ursino Rd., Elizabeth	Insufficient Data	NA	3	
7-ELI-2	Elizabeth River on Ursino Rd., Elizabeth	Insufficient Data	NA	3	
7-MOR-1	Morse Creek on Edgar Rd. Linden	Insufficient Data	NA	3	
7-MOR-1	Morse Creek on Edgar Rd. Linden	Insufficient Data	NA	3	
7-MOR-1	Morse Creek on Edgar Rd. Linden	Insufficient Data	NA	3	
7-MOR-1	Morse Creek on Edgar Rd. Linden	Insufficient Data	NA	3	
7-MOR-1	Morse Creek on Edgar Rd. Linden	Insufficient Data	NA	3	
7-MOR-1	Morse Creek on Edgar Rd. Linden	Insufficient Data	NA	3	Detectable Hg in Equipment and Trip Blanks
7-MOR-1	Morse Creek on Edgar Rd. Linden	Insufficient Data	NA	3	
7-MOR-1	Morse Creek on Edgar Rd. Linden	Insufficient Data	NA	3	
7-MOR-1	Morse Creek on Edgar Rd. Linden	Insufficient Data	NA	3	
7-MOR-1	Morse Creek on Edgar Rd. Linden	Insufficient Data	NA	3	
7-RAH-1	Rahway River on St. George Ave, Rahway	Not Attain	NA	5	
7-RAH-1	Rahway River on St. George Ave, Rahway	Attain	NA	1	
7-RAH-1	Rahway River on St. George Ave, Rahway	Attain	NA	1	
7-RAH-1	Rahway River on St. George Ave, Rahway	Attain	NA	1	
7-RAH-1	Rahway River on St. George Ave, Rahway	Attain	NA	1	
7-RAH-1	Rahway River on St. George Ave, Rahway	Insufficient Data	NA	3	Detectable Hg in 303d field blank
7-RAH-1	Rahway River on St. George Ave, Rahway	Attain	NA	1	
7-RAH-1	Rahway River on St. George Ave, Rahway	Attain	NA	1	
7-RAH-1	Rahway River on St. George Ave, Rahway	Insufficient Data	NA	3	
7-RAH-1	Rahway River on St. George Ave, Rahway	Insufficient Data	NA	3	
7-RAH-1	Rahway River on St. George Ave, Rahway	Attain	NA	1	

Table II-18. Data Summary of Metals in the Raritan Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc
7	7-ROB-1	Robinson's Br. @ Central Ave, Rahway	Arsenic	3	3	0	0	0	No Data	No Data	No Data
7	7-ROB-1	Robinson's Br. @ Central Ave, Rahway	Cadmium	3	0	0	0	0	No Data	No Data	No Data
7	7-ROB-1	Robinson's Br. @ Central Ave, Rahway	Chromium	3	0	0	0	0	No Data	No Data	No Data
7	7-ROB-1	Robinson's Br. @ Central Ave, Rahway	Copper	3	NA	0	0	0	NA	No Data	No Data
7	7-ROB-1	Robinson's Br. @ Central Ave, Rahway	Lead	3	0	0	0	0	No Data	No Data	No Data
7	7-ROB-1	Robinson's Br. @ Central Ave, Rahway	Mercury	3	0	0	QA	0	No Data	No Data	No Data
7	7-ROB-1	Robinson's Br. @ Central Ave, Rahway	Nickel	3	0	0	0	0	No Data	No Data	No Data
7	7-ROB-1	Robinson's Br. @ Central Ave, Rahway	Selenium	3	0	0	0	0	No Data	No Data	No Data
7	7-ROB-1	Robinson's Br. @ Central Ave, Rahway	Silver	3	0	0	NA	0	No Data	No Data	NA
7	7-ROB-1	Robinson's Br. @ Central Ave, Rahway	Thallium	3	0	NA	NA	0	No Data	NA	NA
7	7-ROB-1	Robinson's Br. @ Central Ave, Rahway	Zinc	3	NA	0	0	0	NA	No Data	No Data
7	7-SBR-1	SBR Rahway River nr Maple Ave.Woodbridge	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data
7	7-SBR-1	SBR Rahway River nr Maple Ave.Woodbridge	Cadmium	3	0	0	0	0	No Data	No Data	No Data
7	7-SBR-1	SBR Rahway River nr Maple Ave.Woodbridge	Chromium	3	0	0	0	0	No Data	No Data	No Data
7	7-SBR-1	SBR Rahway River nr Maple Ave.Woodbridge	Copper	3	NA	0	0	0	NA	No Data	No Data
7	7-SBR-1	SBR Rahway River nr Maple Ave.Woodbridge	Lead	3	0	0	0	0	No Data	No Data	No Data
7	7-SBR-1	SBR Rahway River nr Maple Ave.Woodbridge	Mercury	3	0	0	QA	0	No Data	No Data	No Data
7	7-SBR-1	SBR Rahway River nr Maple Ave.Woodbridge	Nickel	3	0	0	0	0	No Data	No Data	No Data
7	7-SBR-1	SBR Rahway River nr Maple Ave.Woodbridge	Selenium	3	0	0	0	0	No Data	No Data	No Data
7	7-SBR-1	SBR Rahway River nr Maple Ave.Woodbridge	Silver	3	0	0	NA	0	No Data	No Data	NA
7	7-SBR-1	SBR Rahway River nr Maple Ave.Woodbridge	Thallium	3	0	NA	NA	0	No Data	NA	NA
7	7-SBR-1	SBR Rahway River nr Maple Ave.Woodbridge	Zinc	3	NA	0	0	0	NA	No Data	No Data
7	7-WBE-1	W Br Elizabeth River, Vaux Hall Rd.Elizabeth	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data
7	7-WBE-1	W Br Elizabeth River, Vaux Hall Rd.Elizabeth	Cadmium	3	0	0	0	0	No Data	No Data	No Data
7	7-WBE-1	W Br Elizabeth River, Vaux Hall Rd.Elizabeth	Chromium	3	0	0	0	0	No Data	No Data	No Data
7	7-WBE-1	W Br Elizabeth River, Vaux Hall Rd.Elizabeth	Copper	3	NA	0	0	0	NA	No Data	No Data
7	7-WBE-1	W Br Elizabeth River, Vaux Hall Rd.Elizabeth	Lead	3	0	0	0	0	No Data	No Data	No Data
7	7-WBE-1	W Br Elizabeth River, Vaux Hall Rd.Elizabeth	Mercury	3	0	0	QA	0	No Data	No Data	No Data
7	7-WBE-1	W Br Elizabeth River, Vaux Hall Rd.Elizabeth	Nickel	3	0	0	0	0	No Data	No Data	No Data
7	7-WBE-1	W Br Elizabeth River, Vaux Hall Rd.Elizabeth	Selenium	3	0	0	0	0	No Data	No Data	No Data
7	7-WBE-1	W Br Elizabeth River, Vaux Hall Rd.Elizabeth	Silver	3	0	0	NA	0	No Data	No Data	NA
7	7-WBE-1	W Br Elizabeth River, Vaux Hall Rd.Elizabeth	Thallium	3	0	NA	NA	0	No Data	NA	NA
7	7-WBE-1	W Br Elizabeth River, Vaux Hall Rd.Elizabeth	Zinc	3	NA	0	0	0	NA	No Data	No Data
8	8-MU-1	Mulhockaway Cr on Rte 635 in Union Twp nr Van Syck	Arsenic	3	MDL	0	0	1	MDL	0	0
8	8-MU-1	Mulhockaway Cr on Rte 635 in Union Twp nr Van Syck	Cadmium	3	0	0	MDL	1	0	0	MDL
8	8-MU-1	Mulhockaway Cr on Rte 635 in Union Twp nr Van Syck	Chromium	3	0	0	0	1	0	0	0
8	8-MU-1	Mulhockaway Cr on Rte 635 in Union Twp nr Van Syck	Copper	3	NA	0	0	1	NA	0	0
8	8-MU-1	Mulhockaway Cr on Rte 635 in Union Twp nr Van Syck	Lead	3	0	0	0	1	0	0	0

Table II-18. Data Summary of Metals in the Raritan Region

303d Site ID	Monitoring Location	Assessment Result	1998 303d List Page	Candidate List Category	Notes
7-ROB-1	Robinson's Br. @ Central Ave, Rahway	Not Attain	NA	5	
7-ROB-1	Robinson's Br. @ Central Ave, Rahway	Insufficient Data	NA	3	
7-ROB-1	Robinson's Br. @ Central Ave, Rahway	Insufficient Data	NA	3	
7-ROB-1	Robinson's Br. @ Central Ave, Rahway	Insufficient Data	NA	3	
7-ROB-1	Robinson's Br. @ Central Ave, Rahway	Insufficient Data	NA	3	
7-ROB-1	Robinson's Br. @ Central Ave, Rahway	Insufficient Data	NA	3	Detectable Hg in Equipment and Trip Blanks
7-ROB-1	Robinson's Br. @ Central Ave, Rahway	Insufficient Data	NA	3	
7-ROB-1	Robinson's Br. @ Central Ave, Rahway	Insufficient Data	NA	3	
7-ROB-1	Robinson's Br. @ Central Ave, Rahway	Insufficient Data	NA	3	
7-ROB-1	Robinson's Br. @ Central Ave, Rahway	Insufficient Data	NA	3	
7-SBR-1	SBR Rahway River nr Maple Ave.Woodbridge	Insufficient Data	NA	3	
7-SBR-1	SBR Rahway River nr Maple Ave.Woodbridge	Insufficient Data	NA	3	
7-SBR-1	SBR Rahway River nr Maple Ave.Woodbridge	Insufficient Data	NA	3	
7-SBR-1	SBR Rahway River nr Maple Ave.Woodbridge	Insufficient Data	NA	3	
7-SBR-1	SBR Rahway River nr Maple Ave.Woodbridge	Insufficient Data	NA	3	
7-SBR-1	SBR Rahway River nr Maple Ave.Woodbridge	Insufficient Data	NA	3	Detectable Hg in Equipment and Trip Blanks
7-SBR-1	SBR Rahway River nr Maple Ave.Woodbridge	Insufficient Data	NA	3	
7-SBR-1	SBR Rahway River nr Maple Ave.Woodbridge	Insufficient Data	NA	3	
7-SBR-1	SBR Rahway River nr Maple Ave.Woodbridge	Insufficient Data	NA	3	
7-SBR-1	SBR Rahway River nr Maple Ave.Woodbridge	Insufficient Data	NA	3	
7-WBE-1	W Br Elizabeth River, Vaux Hall Rd.Elizabeth	Insufficient Data	NA	3	
7-WBE-1	W Br Elizabeth River, Vaux Hall Rd.Elizabeth	Insufficient Data	NA	3	
7-WBE-1	W Br Elizabeth River, Vaux Hall Rd.Elizabeth	Insufficient Data	NA	3	
7-WBE-1	W Br Elizabeth River, Vaux Hall Rd.Elizabeth	Insufficient Data	NA	3	
7-WBE-1	W Br Elizabeth River, Vaux Hall Rd.Elizabeth	Insufficient Data	NA	3	
7-WBE-1	W Br Elizabeth River, Vaux Hall Rd.Elizabeth	Insufficient Data	NA	3	Detectable Hg in Equipment and Trip Blanks
7-WBE-1	W Br Elizabeth River, Vaux Hall Rd.Elizabeth	Insufficient Data	NA	3	
7-WBE-1	W Br Elizabeth River, Vaux Hall Rd.Elizabeth	Insufficient Data	NA	3	
7-WBE-1	W Br Elizabeth River, Vaux Hall Rd.Elizabeth	Insufficient Data	NA	3	
7-WBE-1	W Br Elizabeth River, Vaux Hall Rd.Elizabeth	Insufficient Data	NA	3	
8-MU-1	Mulhockaway Cr on Rte 635 in Union Twp nr Van Syck	Insufficient Data	NA	3	
8-MU-1	Mulhockaway Cr on Rte 635 in Union Twp nr Van Syck	Insufficient Data	A69	3	
8-MU-1	Mulhockaway Cr on Rte 635 in Union Twp nr Van Syck	Attain	NA	1	
8-MU-1	Mulhockaway Cr on Rte 635 in Union Twp nr Van Syck	Attain	NA	1	
8-MU-1	Mulhockaway Cr on Rte 635 in Union Twp nr Van Syck	Attain	NA	1	

Table II-18. Data Summary of Metals in the Raritan Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc
8	8-MU-1	Mulhockaway Cr on Rte 635 in Union Twp nr Van Syck	Mercury	3	0	0	MDL	1	0	0	MDL
8	8-MU-1	Mulhockaway Cr on Rte 635 in Union Twp nr Van Syck	Nickel	3	0	0	0	1	0	0	0
8	8-MU-1	Mulhockaway Cr on Rte 635 in Union Twp nr Van Syck	Selenium	3	0	0	0	1	0	0	0
8	8-MU-1	Mulhockaway Cr on Rte 635 in Union Twp nr Van Syck	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA
8	8-MU-1	Mulhockaway Cr on Rte 635 in Union Twp nr Van Syck	Zinc	3	NA	0	0	1	NA	0	0
8	8-NB-2	N Br Raritan River on Burnt Mills Rd. in Burnt Mil	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data
8	8-NB-2	N Br Raritan River on Burnt Mills Rd. in Burnt Mil	Cadmium	3	0	0	MDL	0	No Data	No Data	No Data
8	8-NB-2	N Br Raritan River on Burnt Mills Rd. in Burnt Mil	Chromium	3	0	0	0	0	No Data	No Data	No Data
8	8-NB-2	N Br Raritan River on Burnt Mills Rd. in Burnt Mil	Copper	3	NA	0	0	0	NA	No Data	No Data
8	8-NB-2	N Br Raritan River on Burnt Mills Rd. in Burnt Mil	Lead	3	0	0	0	0	No Data	No Data	No Data
8	8-NB-2	N Br Raritan River on Burnt Mills Rd. in Burnt Mil	Mercury	3	0	0	MDL	0	No Data	No Data	No Data
8	8-NB-2	N Br Raritan River on Burnt Mills Rd. in Burnt Mil	Nickel	3	0	0	0	0	No Data	No Data	No Data
8	8-NB-2	N Br Raritan River on Burnt Mills Rd. in Burnt Mil	Selenium	3	0	0	0	0	No Data	No Data	No Data
8	8-NB-2	N Br Raritan River on Burnt Mills Rd. in Burnt Mil	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA
8	8-NB-2	N Br Raritan River on Burnt Mills Rd. in Burnt Mil	Zinc	3	NA	0	0	0	NA	No Data	No Data
8	8-NE-1	Neshanic River on Reaville-Everitt Rd nr Reaville	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data
8	8-NE-1	Neshanic River on Reaville-Everitt Rd nr Reaville	Cadmium	3	0	0	MDL	0	No Data	No Data	No Data
8	8-NE-1	Neshanic River on Reaville-Everitt Rd nr Reaville	Chromium	3	0	0	0	0	No Data	No Data	No Data
8	8-NE-1	Neshanic River on Reaville-Everitt Rd nr Reaville	Copper	3	NA	0	0	0	NA	No Data	No Data
8	8-NE-1	Neshanic River on Reaville-Everitt Rd nr Reaville	Lead	3	1	0	0	0	No Data	No Data	No Data
8	8-NE-1	Neshanic River on Reaville-Everitt Rd nr Reaville	Mercury	3	0	0	MDL	0	No Data	No Data	No Data
8	8-NE-1	Neshanic River on Reaville-Everitt Rd nr Reaville	Nickel	3	0	0	0	0	No Data	No Data	No Data

Table II-18. Data Summary of Metals in the Raritan Region

303d Site ID	Monitoring Location	Assessment Result	1998 303d List Page	Candidate List Category	Notes
8-MU-1	Mulhockaway Cr on Rte 635 in Union Twp nr Van Syck	Insufficient Data	NA	3	
8-MU-1	Mulhockaway Cr on Rte 635 in Union Twp nr Van Syck	Attain	NA	1	
8-MU-1	Mulhockaway Cr on Rte 635 in Union Twp nr Van Syck	Attain	NA	1	
8-MU-1	Mulhockaway Cr on Rte 635 in Union Twp nr Van Syck	No Data	NA	3	
8-MU-1	Mulhockaway Cr on Rte 635 in Union Twp nr Van Syck	Attain	NA	1	
8-NB-2	N Br Raritan River on Burnt Mills Rd. in Burnt Mil	Insufficient Data	NA	3	No elevated flow data
8-NB-2	N Br Raritan River on Burnt Mills Rd. in Burnt Mil	Insufficient Data	NA	3	No elevated flow data
8-NB-2	N Br Raritan River on Burnt Mills Rd. in Burnt Mil	Insufficient Data	NA	3	No elevated flow data
8-NB-2	N Br Raritan River on Burnt Mills Rd. in Burnt Mil	Insufficient Data	A71	5	No elevated flow data
8-NB-2	N Br Raritan River on Burnt Mills Rd. in Burnt Mil	Insufficient Data	NA	3	No elevated flow data
8-NB-2	N Br Raritan River on Burnt Mills Rd. in Burnt Mil	Insufficient Data	NA	3	No elevated flow data
8-NB-2	N Br Raritan River on Burnt Mills Rd. in Burnt Mil	Insufficient Data	NA	3	No elevated flow data
8-NB-2	N Br Raritan River on Burnt Mills Rd. in Burnt Mil	Insufficient Data	NA	3	No elevated flow data
8-NB-2	N Br Raritan River on Burnt Mills Rd. in Burnt Mil	No Data	NA	3	No elevated flow data
8-NB-2	N Br Raritan River on Burnt Mills Rd. in Burnt Mil	Insufficient Data	NA	3	No elevated flow data
8-NE-1	Neshanic River on Reaville-Everitt Rd nr Reaville	Insufficient Data	NA	3	No elevated flow data
8-NE-1	Neshanic River on Reaville-Everitt Rd nr Reaville	Insufficient Data	NA	3	No elevated flow data
8-NE-1	Neshanic River on Reaville-Everitt Rd nr Reaville	Insufficient Data	NA	3	No elevated flow data
8-NE-1	Neshanic River on Reaville-Everitt Rd nr Reaville	Insufficient Data	A69	5	No elevated flow data
8-NE-1	Neshanic River on Reaville-Everitt Rd nr Reaville	Not Attain	NA	5	No elevated flow data
8-NE-1	Neshanic River on Reaville-Everitt Rd nr Reaville	Insufficient Data	NA	3	No elevated flow data
8-NE-1	Neshanic River on Reaville-Everitt Rd nr Reaville	Insufficient Data	NA	3	No elevated flow data

Table II-18. Data Summary of Metals in the Raritan Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc
8	8-NE-1	Neshanic River on Reaville-Everitt Rd nr Reaville	Selenium	3	0	0	0	0	No Data	No Data	No Data
8	8-NE-1	Neshanic River on Reaville-Everitt Rd nr Reaville	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA
8	8-NE-1	Neshanic River on Reaville-Everitt Rd nr Reaville	Zinc	3	NA	0	0	0	NA	No Data	No Data
8	8-RO-1	Rockaway Creek on Lamington Rd nr Whitehouse	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data
8	8-RO-1	Rockaway Creek on Lamington Rd nr Whitehouse	Cadmium	3	0	0	MDL	0	No Data	No Data	No Data
8	8-RO-1	Rockaway Creek on Lamington Rd nr Whitehouse	Chromium	3	0	0	0	0	No Data	No Data	No Data
8	8-RO-1	Rockaway Creek on Lamington Rd nr Whitehouse	Copper	3	NA	0	0	0	NA	No Data	No Data
8	8-RO-1	Rockaway Creek on Lamington Rd nr Whitehouse	Lead	3	0	0	QA	0	No Data	No Data	No Data
8	8-RO-1	Rockaway Creek on Lamington Rd nr Whitehouse	Mercury	3	0	0	MDL	0	No Data	No Data	No Data
8	8-RO-1	Rockaway Creek on Lamington Rd nr Whitehouse	Nickel	3	0	0	0	0	No Data	No Data	No Data
8	8-RO-1	Rockaway Creek on Lamington Rd nr Whitehouse	Selenium	3	0	0	0	0	No Data	No Data	No Data
8	8-RO-1	Rockaway Creek on Lamington Rd nr Whitehouse	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA
8	8-RO-1	Rockaway Creek on Lamington Rd nr Whitehouse	Zinc	3	NA	0	0	0	NA	No Data	No Data
8	8-SB-1	S Br Raritan River on Middle Valley Rd, Middle Val	Arsenic	3	MDL	0	0	1	MDL	0	0
8	8-SB-1	S Br Raritan River on Middle Valley Rd, Middle Val	Cadmium	3	0	0	MDL	1	0	0	MDL
8	8-SB-1	S Br Raritan River on Middle Valley Rd, Middle Val	Chromium	3	0	0	0	1	0	0	0
8	8-SB-1	S Br Raritan River on Middle Valley Rd, Middle Val	Copper	3	NA	0	0	1	NA	0	0
8	8-SB-1	S Br Raritan River on Middle Valley Rd, Middle Val	Lead	3	0	0	0	1	0	0	0
8	8-SB-1	S Br Raritan River on Middle Valley Rd, Middle Val	Mercury	3	0	0	MDL	1	0	0	MDL
8	8-SB-1	S Br Raritan River on Middle Valley Rd, Middle Val	Nickel	3	0	0	0	1	0	0	0
8	8-SB-1	S Br Raritan River on Middle Valley Rd, Middle Val	Selenium	3	0	0	0	1	0	0	0
8	8-SB-1	S Br Raritan River on Middle Valley Rd, Middle Val	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA

Table II-18. Data Summary of Metals in the Raritan Region

303d Site ID	Monitoring Location	Assessment Result	1998 303d List Page	Candidate List Category	Notes
8-NE-1	Neshanic River on Reaville-Everitt Rd nr Reaville	Insufficient Data	NA	3	No elevated flow data
8-NE-1	Neshanic River on Reaville-Everitt Rd nr Reaville	No Data	NA	3	No elevated flow data
8-NE-1	Neshanic River on Reaville-Everitt Rd nr Reaville	Insufficient Data	NA	3	No elevated flow data
8-RO-1	Rockaway Creek on Lamington Rd nr Whitehouse	Insufficient Data	NA	3	No elevated flow data
8-RO-1	Rockaway Creek on Lamington Rd nr Whitehouse	Insufficient Data	NA	3	No elevated flow data
8-RO-1	Rockaway Creek on Lamington Rd nr Whitehouse	Insufficient Data	NA	3	No elevated flow data
8-RO-1	Rockaway Creek on Lamington Rd nr Whitehouse	Insufficient Data	NA	3	No elevated flow data
8-RO-1	Rockaway Creek on Lamington Rd nr Whitehouse	Insufficient Data	A71	5	QA: DF > TR; No elevated flow data
8-RO-1	Rockaway Creek on Lamington Rd nr Whitehouse	Insufficient Data	A71	5	No elevated flow data
8-RO-1	Rockaway Creek on Lamington Rd nr Whitehouse	Insufficient Data	NA	3	No elevated flow data
8-RO-1	Rockaway Creek on Lamington Rd nr Whitehouse	Insufficient Data	NA	3	No elevated flow data
8-RO-1	Rockaway Creek on Lamington Rd nr Whitehouse	No Data	NA	3	No elevated flow data
8-RO-1	Rockaway Creek on Lamington Rd nr Whitehouse	Insufficient Data	NA	3	No elevated flow data
8-SB-1	S Br Raritan River on Middle Valley Rd, Middle Val	Insufficient Data	NA	3	
8-SB-1	S Br Raritan River on Middle Valley Rd, Middle Val	Insufficient Data	NA	3	
8-SB-1	S Br Raritan River on Middle Valley Rd, Middle Val	Attain	NA	1	
8-SB-1	S Br Raritan River on Middle Valley Rd, Middle Val	Attain	NA	1	
8-SB-1	S Br Raritan River on Middle Valley Rd, Middle Val	Attain	A69	1	
8-SB-1	S Br Raritan River on Middle Valley Rd, Middle Val	Insufficient Data	NA	3	
8-SB-1	S Br Raritan River on Middle Valley Rd, Middle Val	Attain	NA	1	
8-SB-1	S Br Raritan River on Middle Valley Rd, Middle Val	Attain	NA	1	
8-SB-1	S Br Raritan River on Middle Valley Rd, Middle Val	No Data	NA	3	

Table II-18. Data Summary of Metals in the Raritan Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc
8	8-SB-1	S Br Raritan River on Middle Valley Rd, Middle Val	Zinc	3	NA	0	0	1	NA	0	0
8	8-SB-2	S Br Raritan River on Arch St in High Bridge	Arsenic	3	MDL	0	0	1	MDL	0	0
8	8-SB-2	S Br Raritan River on Arch St in High Bridge	Cadmium	3	0	0	MDL	1	0	0	MDL
8	8-SB-2	S Br Raritan River on Arch St in High Bridge	Chromium	3	0	0	0	1	0	0	0
8	8-SB-2	S Br Raritan River on Arch St in High Bridge	Copper	3	NA	0	0	1	NA	0	0
8	8-SB-2	S Br Raritan River on Arch St in High Bridge	Lead	3	0	0	0	1	0	0	0
8	8-SB-2	S Br Raritan River on Arch St in High Bridge	Mercury	3	0	0	MDL	1	0	0	MDL
8	8-SB-2	S Br Raritan River on Arch St in High Bridge	Nickel	3	0	0	0	1	0	0	0
8	8-SB-2	S Br Raritan River on Arch St in High Bridge	Selenium	3	0	0	0	1	0	0	0
8	8-SB-2	S Br Raritan River on Arch St in High Bridge	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA
8	8-SB-2	S Br Raritan River on Arch St in High Bridge	Zinc	3	NA	0	0	1	NA	0	0
8	8-SB-3	S Br Raritan River on Stanton Station Rd @ Stanton	Arsenic	3	MDL	0	0	2	1	0	0
8	8-SB-3	S Br Raritan River on Stanton Station Rd @ Stanton	Cadmium	3	0	0	MDL	2	0	0	MDL
8	8-SB-3	S Br Raritan River on Stanton Station Rd @ Stanton	Chromium	3	0	0	0	2	0	0	0
8	8-SB-3	S Br Raritan River on Stanton Station Rd @ Stanton	Copper	3	NA	0	0	2	NA	0	0
8	8-SB-3	S Br Raritan River on Stanton Station Rd @ Stanton	Lead	3	0	0	0	2	0	0	0
8	8-SB-3	S Br Raritan River on Stanton Station Rd @ Stanton	Mercury	3	0	0	MDL	2	0	0	MDL
8	8-SB-3	S Br Raritan River on Stanton Station Rd @ Stanton	Nickel	3	0	0	0	2	0	0	0
8	8-SB-3	S Br Raritan River on Stanton Station Rd @ Stanton	Selenium	3	0	0	0	2	0	0	0
8	8-SB-3	S Br Raritan River on Stanton Station Rd @ Stanton	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA
8	8-SB-3	S Br Raritan River on Stanton Station Rd @ Stanton	Zinc	3	NA	0	0	2	NA	0	0
8	8-SB-4	S Br Raritan River on Main St in Three Bridges	Arsenic	3	MDL	0	0	1	MDL	0	0
8	8-SB-4	S Br Raritan River on Main St in Three Bridges	Cadmium	3	0	0	MDL	1	0	0	MDL
8	8-SB-4	S Br Raritan River on Main St in Three Bridges	Chromium	3	0	0	0	1	0	0	0
8	8-SB-4	S Br Raritan River on Main St in Three Bridges	Copper	3	NA	0	0	1	NA	0	0
8	8-SB-4	S Br Raritan River on Main St in Three Bridges	Lead	3	0	0	0	1	0	0	0
8	8-SB-4	S Br Raritan River on Main St in Three Bridges	Mercury	3	0	0	MDL	1	0	0	MDL
8	8-SB-4	S Br Raritan River on Main St in Three Bridges	Nickel	3	0	0	0	1	0	0	0
8	8-SB-4	S Br Raritan River on Main St in Three Bridges	Selenium	3	0	0	0	1	0	0	0
8	8-SB-4	S Br Raritan River on Main St in Three Bridges	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA
8	8-SB-4	S Br Raritan River on Main St in Three Bridges	Zinc	3	NA	0	0	1	NA	0	0
8	8-SB-6	S Br Raritan River on Studdiford Dr - South Branch	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data

Table II-18. Data Summary of Metals in the Raritan Region

303d Site ID	Monitoring Location	Assessment Result	1998 303d List Page	Candidate List Category	Notes
8-SB-1	S Br Raritan River on Middle Valley Rd, Middle Val	Attain	NA	1	
8-SB-2	S Br Raritan River on Arch St in High Bridge	Insufficient Data	NA	3	
8-SB-2	S Br Raritan River on Arch St in High Bridge	Insufficient Data	NA	3	
8-SB-2	S Br Raritan River on Arch St in High Bridge	Attain	NA	1	
8-SB-2	S Br Raritan River on Arch St in High Bridge	Attain	NA	1	
8-SB-2	S Br Raritan River on Arch St in High Bridge	Attain	A69	1	
8-SB-2	S Br Raritan River on Arch St in High Bridge	Insufficient Data	NA	3	
8-SB-2	S Br Raritan River on Arch St in High Bridge	Attain	NA	1	
8-SB-2	S Br Raritan River on Arch St in High Bridge	Attain	NA	1	
8-SB-2	S Br Raritan River on Arch St in High Bridge	No Data	NA	3	
8-SB-2	S Br Raritan River on Arch St in High Bridge	Attain	NA	1	
8-SB-3	S Br Raritan River on Stanton Station Rd @ Stanton	Not Attain	NA	5	
8-SB-3	S Br Raritan River on Stanton Station Rd @ Stanton	Insufficient Data	NA	3	
8-SB-3	S Br Raritan River on Stanton Station Rd @ Stanton	Attain	NA	1	
8-SB-3	S Br Raritan River on Stanton Station Rd @ Stanton	Attain	NA	1	
8-SB-3	S Br Raritan River on Stanton Station Rd @ Stanton	Attain	A69	1	
8-SB-3	S Br Raritan River on Stanton Station Rd @ Stanton	Insufficient Data	NA	3	
8-SB-3	S Br Raritan River on Stanton Station Rd @ Stanton	Attain	NA	1	
8-SB-3	S Br Raritan River on Stanton Station Rd @ Stanton	Attain	NA	1	
8-SB-3	S Br Raritan River on Stanton Station Rd @ Stanton	No Data	NA	3	
8-SB-3	S Br Raritan River on Stanton Station Rd @ Stanton	Attain	NA	1	
8-SB-4	S Br Raritan River on Main St in Three Bridges	Insufficient Data	NA	3	
8-SB-4	S Br Raritan River on Main St in Three Bridges	Insufficient Data	NA	3	
8-SB-4	S Br Raritan River on Main St in Three Bridges	Attain	NA	1	
8-SB-4	S Br Raritan River on Main St in Three Bridges	Attain	NA	1	
8-SB-4	S Br Raritan River on Main St in Three Bridges	Attain	NA	1	
8-SB-4	S Br Raritan River on Main St in Three Bridges	Insufficient Data	NA	3	
8-SB-4	S Br Raritan River on Main St in Three Bridges	Attain	NA	1	
8-SB-4	S Br Raritan River on Main St in Three Bridges	Attain	NA	1	
8-SB-4	S Br Raritan River on Main St in Three Bridges	No Data	NA	3	
8-SB-4	S Br Raritan River on Main St in Three Bridges	Attain	A69	1	
8-SB-6	S Br Raritan River on Studdiford Dr - South Branch	Insufficient Data	A69	5	

Table II-18. Data Summary of Metals in the Raritan Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc
8	8-SB-6	S Br Raritan River on Studdiford Dr - South Branch	Cadmium	3	0	0	MDL	0	No Data	No Data	No Data
8	8-SB-6	S Br Raritan River on Studdiford Dr - South Branch	Chromium	3	0	0	0	0	No Data	No Data	No Data
8	8-SB-6	S Br Raritan River on Studdiford Dr - South Branch	Copper	3	NA	0	0	0	NA	No Data	No Data
8	8-SB-6	S Br Raritan River on Studdiford Dr - South Branch	Lead	3	0	0	0	0	No Data	No Data	No Data
8	8-SB-6	S Br Raritan River on Studdiford Dr - South Branch	Mercury	3	0	0	MDL	0	No Data	No Data	No Data
8	8-SB-6	S Br Raritan River on Studdiford Dr - South Branch	Nickel	3	0	0	0	0	No Data	No Data	No Data
8	8-SB-6	S Br Raritan River on Studdiford Dr - South Branch	Selenium	3	0	0	0	0	No Data	No Data	No Data
8	8-SB-6	S Br Raritan River on Studdiford Dr - South Branch	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA
8	8-SB-6	S Br Raritan River on Studdiford Dr - South Branch	Zinc	3	NA	0	0	0	NA	No Data	No Data
8	8-SP-1	Spruce Run at Spruce Run Reservoir	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data
8	8-SP-1	Spruce Run at Spruce Run Reservoir	Cadmium	3	0	0	MDL	0	No Data	No Data	No Data
8	8-SP-1	Spruce Run at Spruce Run Reservoir	Chromium	3	0	0	0	0	No Data	No Data	No Data
8	8-SP-1	Spruce Run at Spruce Run Reservoir	Copper	3	NA	0	0	0	NA	No Data	No Data
8	8-SP-1	Spruce Run at Spruce Run Reservoir	Lead	3	0	0	0	0	No Data	No Data	No Data
8	8-SP-1	Spruce Run at Spruce Run Reservoir	Mercury	3	0	0	MDL	0	No Data	No Data	No Data
8	8-SP-1	Spruce Run at Spruce Run Reservoir	Nickel	3	0	0	0	0	No Data	No Data	No Data
8	8-SP-1	Spruce Run at Spruce Run Reservoir	Selenium	3	0	0	0	0	No Data	No Data	No Data
8	8-SP-1	Spruce Run at Spruce Run Reservoir	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA
8	8-SP-1	Spruce Run at Spruce Run Reservoir	Zinc	3	NA	0	0	0	NA	No Data	No Data
8	8-SP-2	Spruce Run on Van Syckel Corner Rd nr High Bridge	Arsenic	3	MDL	0	0	1	MDL	0	0
8	8-SP-2	Spruce Run on Van Syckel Corner Rd nr High Bridge	Cadmium	3	0	0	MDL	1	0	0	MDL
8	8-SP-2	Spruce Run on Van Syckel Corner Rd nr High Bridge	Chromium	3	0	0	0	1	0	0	0
8	8-SP-2	Spruce Run on Van Syckel Corner Rd nr High Bridge	Copper	3	NA	0	0	1	NA	0	0
8	8-SP-2	Spruce Run on Van Syckel Corner Rd nr High Bridge	Lead	3	0	0	0	1	0	0	0
8	8-SP-2	Spruce Run on Van Syckel Corner Rd nr High Bridge	Mercury	3	0	0	MDL	1	0	0	MDL
8	8-SP-2	Spruce Run on Van Syckel Corner Rd nr High Bridge	Nickel	3	0	0	0	1	0	0	0
8	8-SP-2	Spruce Run on Van Syckel Corner Rd nr High Bridge	Selenium	3	0	0	0	1	0	0	0

Table II-18. Data Summary of Metals in the Raritan Region

303d Site ID	Monitoring Location	Assessment Result	1998 303d List Page	Candidate List Category	Notes
8-SB-6	S Br Raritan River on Studdiford Dr - South Branch	Insufficient Data	NA	3	
8-SB-6	S Br Raritan River on Studdiford Dr - South Branch	Insufficient Data	A69	5	
8-SB-6	S Br Raritan River on Studdiford Dr - South Branch	Insufficient Data	A69	5	
8-SB-6	S Br Raritan River on Studdiford Dr - South Branch	Insufficient Data	A69	5	
8-SB-6	S Br Raritan River on Studdiford Dr - South Branch	Insufficient Data	NA	3	
8-SB-6	S Br Raritan River on Studdiford Dr - South Branch	Insufficient Data	NA	3	
8-SB-6	S Br Raritan River on Studdiford Dr - South Branch	Insufficient Data	NA	3	
8-SB-6	S Br Raritan River on Studdiford Dr - South Branch	No Data	NA	3	
8-SB-6	S Br Raritan River on Studdiford Dr - South Branch	Insufficient Data	NA	3	
8-SP-1	Spruce Run at Spruce Run Reservoir	Insufficient Data	NA	3	Last sample pre-1996
8-SP-1	Spruce Run at Spruce Run Reservoir	Insufficient Data	A69	5	Last sample pre-1996
8-SP-1	Spruce Run at Spruce Run Reservoir	Insufficient Data	NA	3	Last sample pre-1996
8-SP-1	Spruce Run at Spruce Run Reservoir	Insufficient Data	NA	3	Last sample pre-1996
8-SP-1	Spruce Run at Spruce Run Reservoir	Insufficient Data	NA	3	Last sample pre-1996
8-SP-1	Spruce Run at Spruce Run Reservoir	Insufficient Data	NA	3	Last sample pre-1996
8-SP-1	Spruce Run at Spruce Run Reservoir	Insufficient Data	NA	3	Last sample pre-1996
8-SP-1	Spruce Run at Spruce Run Reservoir	Insufficient Data	NA	3	Last sample pre-1996
8-SP-1	Spruce Run at Spruce Run Reservoir	No Data	NA	3	Last sample pre-1996
8-SP-1	Spruce Run at Spruce Run Reservoir	Insufficient Data	NA	3	Last sample pre-1996
8-SP-2	Spruce Run on Van Syckel Corner Rd nr High Bridge	Insufficient Data	NA	3	
8-SP-2	Spruce Run on Van Syckel Corner Rd nr High Bridge	Insufficient Data	NA	3	
8-SP-2	Spruce Run on Van Syckel Corner Rd nr High Bridge	Attain	NA	1	
8-SP-2	Spruce Run on Van Syckel Corner Rd nr High Bridge	Attain	A69	1	
8-SP-2	Spruce Run on Van Syckel Corner Rd nr High Bridge	Attain	A69	1	
8-SP-2	Spruce Run on Van Syckel Corner Rd nr High Bridge	Insufficient Data	NA	3	
8-SP-2	Spruce Run on Van Syckel Corner Rd nr High Bridge	Attain	NA	1	
8-SP-2	Spruce Run on Van Syckel Corner Rd nr High Bridge	Attain	NA	1	

Table II-18. Data Summary of Metals in the Raritan Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc
8	8-SP-2	Spruce Run on Van Syckel Corner Rd nr High Bridge	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA
8	8-SP-2	Spruce Run on Van Syckel Corner Rd nr High Bridge	Zinc	3	NA	0	0	1	NA	0	0
8	NA	Capepoulin (Capoloony) Creek	DDT in sediment	0	No Data	No Data	No Data	0	No Data	No Data	No Data
9	9-LAW-1	Lawrence Brook on Davidson's Mill Rd, Black Horse	Arsenic	3	3	0	0	0	No Data	No Data	No Data
9	9-LAW-1	Lawrence Brook on Davidson's Mill Rd, Black Horse	Cadmium	3	0	0	MDL	0	No Data	No Data	No Data
9	9-LAW-1	Lawrence Brook on Davidson's Mill Rd, Black Horse	Chromium	3	0	0	0	0	No Data	No Data	No Data
9	9-LAW-1	Lawrence Brook on Davidson's Mill Rd, Black Horse	Copper	3	NA	0	0	0	NA	No Data	No Data
9	9-LAW-1	Lawrence Brook on Davidson's Mill Rd, Black Horse	Lead	3	0	0	MDL	0	No Data	No Data	No Data
9	9-LAW-1	Lawrence Brook on Davidson's Mill Rd, Black Horse	Mercury	3	0	0	1	0	No Data	No Data	No Data
9	9-LAW-1	Lawrence Brook on Davidson's Mill Rd, Black Horse	Nickel	3	0	0	0	0	No Data	No Data	No Data
9	9-LAW-1	Lawrence Brook on Davidson's Mill Rd, Black Horse	Selenium	3	0	0	0	0	No Data	No Data	No Data
9	9-LAW-1	Lawrence Brook on Davidson's Mill Rd, Black Horse	Silver	3	No Data	No Data	No Data	0	No Data	No Data	NA
9	9-LAW-1	Lawrence Brook on Davidson's Mill Rd, Black Horse	Zinc	3	NA	0	0	0	No Data	NA	NA
9	9-MAN-1	Manalapan Brook on Federal Rd, Monroe	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data
9	9-MAN-1	Manalapan Brook on Federal Rd, Monroe	Cadmium	3	0	0	MDL	0	No Data	No Data	No Data
9	9-MAN-1	Manalapan Brook on Federal Rd, Monroe	Chromium	3	0	0	0	0	No Data	No Data	No Data
9	9-MAN-1	Manalapan Brook on Federal Rd, Monroe	Copper	3	NA	0	0	0	NA	No Data	No Data
9	9-MAN-1	Manalapan Brook on Federal Rd, Monroe	Lead	3	0	0	MDL	0	No Data	No Data	No Data
9	9-MAN-1	Manalapan Brook on Federal Rd, Monroe	Mercury	3	0	0	QA	0	No Data	No Data	No Data
9	9-MAN-1	Manalapan Brook on Federal Rd, Monroe	Nickel	3	0	0	0	0	No Data	No Data	No Data
9	9-MAN-1	Manalapan Brook on Federal Rd, Monroe	Selenium	3	0	0	0	0	No Data	No Data	No Data
9	9-MAN-1	Manalapan Brook on Federal Rd, Monroe	Silver	0	No Data	No Data	No Data	0	No Data	No Data	NA
9	9-MAN-1	Manalapan Brook on Federal Rd, Monroe	Zinc	3	NA	0	0	0	NA	No Data	No Data
9	9-MAN-2	Manalapan Brook at Spotswood	Arsenic	3	1	0	0	0	No Data	No Data	No Data
9	9-MAN-2	Manalapan Brook at Spotswood	Cadmium	3	0	0	MDL	0	No Data	No Data	No Data
9	9-MAN-2	Manalapan Brook at Spotswood	Chromium	3	0	0	0	0	No Data	No Data	No Data
9	9-MAN-2	Manalapan Brook at Spotswood	Copper	3	NA	0	0	0	NA	No Data	No Data
9	9-MAN-2	Manalapan Brook at Spotswood	Lead	3	0	0	MDL	0	No Data	No Data	No Data
9	9-MAN-2	Manalapan Brook at Spotswood	Mercury	3	0	0	QA	0	No Data	No Data	No Data
9	9-MAN-2	Manalapan Brook at Spotswood	Nickel	3	0	0	0	0	No Data	No Data	No Data
9	9-MAN-2	Manalapan Brook at Spotswood	Selenium	3	0	0	0	0	No Data	No Data	No Data
9	9-MAN-2	Manalapan Brook at Spotswood	Silver	0	No Data	No Data	No Data	0	No Data	No Data	NA

Table II-18. Data Summary of Metals in the Raritan Region

303d Site ID	Monitoring Location	Assessment Result	1998 303d List Page	Candidate List Category	Notes
8-SP-2	Spruce Run on Van Syckel Corner Rd nr High Bridge	No Data	NA	3	
8-SP-2	Spruce Run on Van Syckel Corner Rd nr High Bridge	Attain	NA	1	
NA	Cakepoulin (Capoloony) Creek	No Data	Fed Reg	4	Remanded 303d List
9-LAW-1	Lawrence Brook on Davidson's Mill Rd, Black Horse	Not Attain	A66	5	
9-LAW-1	Lawrence Brook on Davidson's Mill Rd, Black Horse	Insufficient Data	A66	5	
9-LAW-1	Lawrence Brook on Davidson's Mill Rd, Black Horse	Insufficient Data	A66	5	
9-LAW-1	Lawrence Brook on Davidson's Mill Rd, Black Horse	Insufficient Data	A66	5	
9-LAW-1	Lawrence Brook on Davidson's Mill Rd, Black Horse	Insufficient Data	A66	5	
9-LAW-1	Lawrence Brook on Davidson's Mill Rd, Black Horse	Insufficient Data	A66	5	
9-LAW-1	Lawrence Brook on Davidson's Mill Rd, Black Horse	Not Attain	A66	5	
9-LAW-1	Lawrence Brook on Davidson's Mill Rd, Black Horse	Insufficient Data	NA	3	
9-LAW-1	Lawrence Brook on Davidson's Mill Rd, Black Horse	Insufficient Data	NA	3	
9-LAW-1	Lawrence Brook on Davidson's Mill Rd, Black Horse	No Data	NA	3	
9-LAW-1	Lawrence Brook on Davidson's Mill Rd, Black Horse	Insufficient Data	A66	5	
9-MAN-1	Manalapan Brook on Federal Rd, Monroe	Insufficient Data	NA	3	
9-MAN-1	Manalapan Brook on Federal Rd, Monroe	Insufficient Data	NA	3	
9-MAN-1	Manalapan Brook on Federal Rd, Monroe	Insufficient Data	NA	3	
9-MAN-1	Manalapan Brook on Federal Rd, Monroe	Insufficient Data	NA	3	
9-MAN-1	Manalapan Brook on Federal Rd, Monroe	Insufficient Data	NA	3	
9-MAN-1	Manalapan Brook on Federal Rd, Monroe	Insufficient Data	A72	5	
9-MAN-1	Manalapan Brook on Federal Rd, Monroe	Insufficient Data	NA	3	Hg detected in Equipment Blank
9-MAN-1	Manalapan Brook on Federal Rd, Monroe	Insufficient Data	NA	3	
9-MAN-1	Manalapan Brook on Federal Rd, Monroe	No Data	NA	3	
9-MAN-1	Manalapan Brook on Federal Rd, Monroe	Insufficient Data	NA	3	
9-MAN-2	Manalapan Brook at Spotswood	Not Attain	NA	5	
9-MAN-2	Manalapan Brook at Spotswood	Insufficient Data	NA	3	
9-MAN-2	Manalapan Brook at Spotswood	Insufficient Data	NA	3	
9-MAN-2	Manalapan Brook at Spotswood	Insufficient Data	NA	3	
9-MAN-2	Manalapan Brook at Spotswood	Insufficient Data	A72	5	
9-MAN-2	Manalapan Brook at Spotswood	Insufficient Data	NA	3	
9-MAN-2	Manalapan Brook at Spotswood	Insufficient Data	NA	3	
9-MAN-2	Manalapan Brook at Spotswood	Insufficient Data	NA	3	
9-MAN-2	Manalapan Brook at Spotswood	No Data	NA	3	

Table II-18. Data Summary of Metals in the Raritan Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc
9	9-MAN-2	Manalapan Brook at Spotswood	Zinc	3	NA	0	0	0	No Data	NA	NA
9	NA	Edmunds Creek	PCB-1254	0	No Data	No Data	No Data	0	No Data	No Data	No Data
9	NA	Raritan Bay & Estuary	Copper	0	No Data	No Data	No Data	0	No Data	No Data	No Data
9	NA	Raritan Bay & Estuary	Lead	0	No Data	No Data	No Data	0	No Data	No Data	No Data
9	NA	Raritan Bay & Estuary	Nickel	0	No Data	No Data	No Data	0	No Data	No Data	No Data
9	NA	Raritan River Estuary	Arsenic	0	No Data	No Data	No Data	0	No Data	No Data	No Data
9	NA	Raritan River Estuary	Cadmium	0	No Data	No Data	No Data	0	No Data	No Data	No Data
9	NA	Raritan River Estuary	Lead	0	No Data	No Data	No Data	0	No Data	No Data	No Data
9	NA	Raritan River Estuary	Mercury	0	No Data	No Data	No Data	0	No Data	No Data	No Data
9	NA	Raritan River Estuary	PCB-1254	0	No Data	No Data	No Data	0	No Data	No Data	No Data
9	NA	Raritan River Estuary	Zinc	0	No Data	No Data	No Data	0	No Data	No Data	No Data
9	NA	Raritan River/ Bay	Copper	0	No Data	No Data	No Data	0	No Data	No Data	No Data
9	NA	Raritan River/ Bay	Lead	0	No Data	No Data	No Data	0	No Data	No Data	No Data
9	NA	Raritan River/ Bay	Mercury	0	No Data	No Data	No Data	0	No Data	No Data	No Data
9	NA	Raritan River/ Bay	Nickel	0	No Data	No Data	No Data	0	No Data	No Data	No Data
9	NA	Sandy Hook Bay	Arsenic	0	No Data	No Data	No Data	0	No Data	No Data	No Data
9	NA	Sandy Hook Bay	Copper	0	No Data	No Data	No Data	0	No Data	No Data	No Data
9	NA	Sandy Hook Bay	Lead	0	No Data	No Data	No Data	0	No Data	No Data	No Data
9	NA	Sandy Hook Bay	Mercury	0	No Data	No Data	No Data	0	No Data	No Data	No Data
9	NA	Sandy Hook Bay	Nickel	0	No Data	No Data	No Data	0	No Data	No Data	No Data
9	NA	Sandy Hook Bay	Silver	0	No Data	No Data	No Data	0	No Data	No Data	No Data
9	NA	Sandy Hook Bay	Zinc	0	No Data	No Data	No Data	0	No Data	No Data	No Data
9	NA	South River	Arsenic	NA	NA	NA	NA	0	NA	NA	NA
9	NA	South River	Cadmium	NA	NA	NA	NA	0	NA	NA	NA
9	NA	South River	Chromium	NA	NA	NA	NA	0	NA	NA	NA
9	NA	South River	Copper	NA	NA	NA	NA	0	NA	NA	NA
9	NA	South River	Lead	NA	NA	NA	NA	0	NA	NA	NA
9	NA	South River	Mercury	NA	NA	NA	NA	0	NA	NA	NA
9	NA	South River	Nickel	NA	NA	NA	NA	0	NA	NA	NA
9	NA	South River	Selenium	NA	NA	NA	NA	0	NA	NA	NA
9	NA	South River	Silver	NA	NA	NA	NA	0	NA	NA	NA
9	NA	South River	Thallium	NA	NA	NA	NA	0	NA	NA	NA
9	NA	South River	Zinc	NA	NA	NA	NA	0	NA	NA	NA
10	10-BED-1	Beden Brook on Aunt Molly Rd (abv STP) in Hopewell	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data
10	10-BED-1	Beden Brook on Aunt Molly Rd (abv STP) in Hopewell	Cadmium	3	0	0	MDL	0	No Data	No Data	No Data
10	10-BED-1	Beden Brook on Aunt Molly Rd (abv STP) in Hopewell	Chromium	3	0	0	0	0	No Data	No Data	No Data
10	10-BED-1	Beden Brook on Aunt Molly Rd (abv STP) in Hopewell	Copper	3	NA	0	0	0	NA	No Data	No Data
10	10-BED-1	Beden Brook on Aunt Molly Rd (abv STP) in Hopewell	Lead	3	0	0	0	0	No Data	No Data	No Data

Table II-18. Data Summary of Metals in the Raritan Region

303d Site ID	Monitoring Location	Assessment Result	1998 303d List Page	Candidate List Category	Notes
9-MAN-2	Manalapan Brook at Spotswood	Insufficient Data	A72	5	
NA	Edmunds Creek	No Data	Fed Reg	4	Remanded 303d List
NA	Raritan Bay & Estuary	Attain	A65	1	GLEC, 1996
NA	Raritan Bay & Estuary	Attain	A65	1	GLEC, 1996
NA	Raritan Bay & Estuary	Attain	A65	1	GLEC, 1996
NA	Raritan River Estuary	No Data	A65	5	
NA	Raritan River Estuary	No Data	A65	5	
NA	Raritan River Estuary	Attain	A65	1	GLEC, 1996
NA	Raritan River Estuary	Attain	A65	1	GLEC, 1996
NA	Raritan River Estuary	No Data	A65	5	
NA	Raritan River Estuary	No Data	A65	5	
NA	Raritan River/ Bay	Attain	A65	1	GLEC, 1996
NA	Raritan River/ Bay	Attain	A65	1	GLEC, 1996
NA	Raritan River/ Bay	Attain	A65	1	GLEC, 1996 (River Not Attain for Mercury)
NA	Raritan River/ Bay	Attain	A65	1	GLEC, 1996
NA	Sandy Hook Bay	Attain	A76	5	GLEC, 1996
NA	Sandy Hook Bay	Attain	A76	5	GLEC, 1996
NA	Sandy Hook Bay	Attain	A76	5	GLEC, 1996
NA	Sandy Hook Bay	Attain	A76	5	GLEC, 1996
NA	Sandy Hook Bay	Attain	A76	5	GLEC, 1996
NA	Sandy Hook Bay	Attain	A76	5	GLEC, 1996
NA	Sandy Hook Bay	Attain	A76	5	GLEC, 1996
NA	South River	No Data	A72	5	Tidal reach not sampled yet
NA	South River	No Data	A72	5	Tidal reach not sampled yet
NA	South River	No Data	A72	5	Tidal reach not sampled yet
NA	South River	No Data	A72	5	Tidal reach not sampled yet
NA	South River	No Data	A72	5	Tidal reach not sampled yet
NA	South River	No Data	A72	5	Tidal reach not sampled yet
NA	South River	No Data	NA	3	Tidal reach not sampled yet
NA	South River	No Data	NA	3	Tidal reach not sampled yet
NA	South River	No Data	NA	3	Tidal reach not sampled yet
NA	South River	No Data	NA	3	Tidal reach not sampled yet
NA	South River	No Data	NA	3	Tidal reach not sampled yet
10-BED-1	Beden Brook on Aunt Molly Rd (abv STP) in Hopewell	Insufficient Data	NA	3	
10-BED-1	Beden Brook on Aunt Molly Rd (abv STP) in Hopewell	Insufficient Data	NA	3	
10-BED-1	Beden Brook on Aunt Molly Rd (abv STP) in Hopewell	Insufficient Data	NA	3	
10-BED-1	Beden Brook on Aunt Molly Rd (abv STP) in Hopewell	Insufficient Data	NA	3	
10-BED-1	Beden Brook on Aunt Molly Rd (abv STP) in Hopewell	Insufficient Data	NA	3	

Table II-18. Data Summary of Metals in the Raritan Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc
10	10-BED-1	Beden Brook on Aunt Molly Rd (abv STP) in Hopewell	Mercury	3	0	0	MDL	0	No Data	No Data	No Data
10	10-BED-1	Beden Brook on Aunt Molly Rd (abv STP) in Hopewell	Nickel	3	0	0	0	0	No Data	No Data	No Data
10	10-BED-1	Beden Brook on Aunt Molly Rd (abv STP) in Hopewell	Selenium	3	0	0	0	0	No Data	No Data	No Data
10	10-BED-1	Beden Brook on Aunt Molly Rd (abv STP) in Hopewell	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA
10	10-BED-1	Beden Brook on Aunt Molly Rd (abv STP) in Hopewell	Zinc	3	NA	0	0	0	NA	No Data	No Data
10	10-BED-2; 10-BED-3	Bedens Brook on Rte 206, Rocky Hill	Arsenic	6	3	0	0	0	No Data	No Data	No Data
10	10-BED-2; 10-BED-3	Bedens Brook on Rte 206, Rocky Hill	Cadmium	6	0	0	MDL	0	No Data	No Data	No Data
10	10-BED-2; 10-BED-3	Bedens Brook on Rte 206, Rocky Hill	Chromium	6	0	0	0	0	No Data	No Data	No Data
10	10-BED-2; 10-BED-3	Bedens Brook on Rte 206, Rocky Hill	Copper	6	NA	0	0	0	NA	No Data	No Data
10	10-BED-2; 10-BED-3	Bedens Brook on Rte 206, Rocky Hill	Lead	6	0	0	0	0	No Data	No Data	No Data
10	10-BED-2; 10-BED-3	Bedens Brook on Rte 206, Rocky Hill	Mercury	6	0	0	MDL	0	No Data	No Data	No Data
10	10-BED-2; 10-BED-3	Bedens Brook on Rte 206, Rocky Hill	Nickel	6	0	0	0	0	No Data	No Data	No Data
10	10-BED-2; 10-BED-3	Bedens Brook on Rte 206, Rocky Hill	Selenium	6	0	0	0	0	No Data	No Data	No Data
10	10-BED-2; 10-BED-3	Bedens Brook on Rte 206, Rocky Hill	Silver	0	No Data	No Data	No Data	0	No Data	No Data	NA
10	10-BED-2; 10-BED-3	Bedens Brook on Rte 206, Rocky Hill	Zinc	6	NA	0	0	0	NA	No Data	No Data
10	10-MIL-1	Millstone River on Baird Rd, Millstone Twp.	Arsenic	3	MDL	0	0	1	1	0	0
10	10-MIL-1	Millstone River on Baird Rd, Millstone Twp.	Cadmium	3	0	0	MDL	1	0	MDL	MDL
10	10-MIL-1	Millstone River on Baird Rd, Millstone Twp.	Chromium	3	0	0	0	1	0	0	0
10	10-MIL-1	Millstone River on Baird Rd, Millstone Twp.	Copper	3	NA	0	0	1	NA	0	0
10	10-MIL-1	Millstone River on Baird Rd, Millstone Twp.	Lead	3	0	0	MDL	1	0	0	1
10	10-MIL-1	Millstone River on Baird Rd, Millstone Twp.	Mercury	3	0	0	MDL	1	0	0	MDL
10	10-MIL-1	Millstone River on Baird Rd, Millstone Twp.	Nickel	3	0	0	0	1	0	0	0
10	10-MIL-1	Millstone River on Baird Rd, Millstone Twp.	Selenium	3	0	0	0	1	0	0	0
10	10-MIL-1	Millstone River on Baird Rd, Millstone Twp.	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA
10	10-MIL-1	Millstone River on Baird Rd, Millstone Twp.	Zinc	3	NA	0	0	1	NA	0	0
10	10-MIL-2	Millstone River off Rte 27 in Kingston	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data
10	10-MIL-2	Millstone River off Rte 27 in Kingston	Cadmium	3	0	0	MDL	0	No Data	No Data	No Data
10	10-MIL-2	Millstone River off Rte 27 in Kingston	Chromium	3	0	0	0	0	No Data	No Data	No Data
10	10-MIL-2	Millstone River off Rte 27 in Kingston	Copper	3	NA	0	0	0	NA	No Data	No Data
10	10-MIL-2	Millstone River off Rte 27 in Kingston	Lead	3	0	0	0	0	No Data	No Data	No Data
10	10-MIL-2	Millstone River off Rte 27 in Kingston	Mercury	3	0	0	MDL	0	No Data	No Data	No Data
10	10-MIL-2	Millstone River off Rte 27 in Kingston	Nickel	3	0	0	0	0	No Data	No Data	No Data
10	10-MIL-2	Millstone River off Rte 27 in Kingston	Selenium	3	0	0	0	0	No Data	No Data	No Data
10	10-MIL-2	Millstone River off Rte 27 in Kingston	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA
10	10-MIL-2	Millstone River off Rte 27 in Kingston	Zinc	3	NA	0	0	0	NA	No Data	No Data
10	10-MIL-3	Millstone River above Raritan River confl. in Manv	Arsenic	3	MDL	0	0	1	1	0	0
10	10-MIL-3	Millstone River above Raritan River confl. in Manv	Cadmium	3	0	0	MDL	1	0	0	MDL

Table II-18. Data Summary of Metals in the Raritan Region

303d Site ID	Monitoring Location	Assessment Result	1998 303d List Page	Candidate List Category	Notes
10-BED-1	Beden Brook on Aunt Molly Rd (abv STP) in Hopewell	Insufficient Data	NA	3	
10-BED-1	Beden Brook on Aunt Molly Rd (abv STP) in Hopewell	Insufficient Data	NA	3	
10-BED-1	Beden Brook on Aunt Molly Rd (abv STP) in Hopewell	Insufficient Data	NA	3	
10-BED-1	Beden Brook on Aunt Molly Rd (abv STP) in Hopewell	No Data	NA	3	
10-BED-1	Beden Brook on Aunt Molly Rd (abv STP) in Hopewell	Insufficient Data	NA	3	
10-BED-2; 10-BED-3	Bedens Brook on Rte 206, Rocky Hill	Not Attain	NA	5	No elevated flow data
10-BED-2; 10-BED-3	Bedens Brook on Rte 206, Rocky Hill	Insufficient Data	NA	3	No elevated flow data
10-BED-2; 10-BED-3	Bedens Brook on Rte 206, Rocky Hill	Insufficient Data	NA	3	No elevated flow data
10-BED-2; 10-BED-3	Bedens Brook on Rte 206, Rocky Hill	Insufficient Data	NA	3	No elevated flow data
10-BED-2; 10-BED-3	Bedens Brook on Rte 206, Rocky Hill	Insufficient Data	A67	5	No elevated flow data
10-BED-2; 10-BED-3	Bedens Brook on Rte 206, Rocky Hill	Insufficient Data	NA	3	No elevated flow data
10-BED-2; 10-BED-3	Bedens Brook on Rte 206, Rocky Hill	Insufficient Data	NA	3	No elevated flow data
10-BED-2; 10-BED-3	Bedens Brook on Rte 206, Rocky Hill	Insufficient Data	NA	3	No elevated flow data
10-BED-2; 10-BED-3	Bedens Brook on Rte 206, Rocky Hill	No Data	NA	3	No elevated flow data
10-BED-2; 10-BED-3	Bedens Brook on Rte 206, Rocky Hill	Insufficient Data	NA	3	No elevated flow data
10-MIL-1	Millstone River on Baird Rd, Millstone Twp.	Not Attain	A67	5	
10-MIL-1	Millstone River on Baird Rd, Millstone Twp.	Insufficient Data	A67	3	
10-MIL-1	Millstone River on Baird Rd, Millstone Twp.	Attain	A67	1	
10-MIL-1	Millstone River on Baird Rd, Millstone Twp.	Attain	NA	1	
10-MIL-1	Millstone River on Baird Rd, Millstone Twp.	Not Attain	A67	5	
10-MIL-1	Millstone River on Baird Rd, Millstone Twp.	Insufficient Data	A67	3	
10-MIL-1	Millstone River on Baird Rd, Millstone Twp.	Attain	NA	1	
10-MIL-1	Millstone River on Baird Rd, Millstone Twp.	Attain	NA	1	
10-MIL-1	Millstone River on Baird Rd, Millstone Twp.	No Data	NA	3	
10-MIL-1	Millstone River on Baird Rd, Millstone Twp.	Attain	A67	1	
10-MIL-2	Millstone River off Rte 27 in Kingston	Insufficient Data	A67	5	
10-MIL-2	Millstone River off Rte 27 in Kingston	Insufficient Data	A67	5	
10-MIL-2	Millstone River off Rte 27 in Kingston	Insufficient Data	A67	5	
10-MIL-2	Millstone River off Rte 27 in Kingston	Insufficient Data	NA	3	
10-MIL-2	Millstone River off Rte 27 in Kingston	Insufficient Data	A67	5	
10-MIL-2	Millstone River off Rte 27 in Kingston	Insufficient Data	A67	5	
10-MIL-2	Millstone River off Rte 27 in Kingston	Insufficient Data	NA	3	
10-MIL-2	Millstone River off Rte 27 in Kingston	Insufficient Data	NA	3	
10-MIL-2	Millstone River off Rte 27 in Kingston	No Data	NA	3	
10-MIL-2	Millstone River off Rte 27 in Kingston	Insufficient Data	A67	5	
10-MIL-3	Millstone River above Raritan River confl. in Manv	Not Attain	A67	5	
10-MIL-3	Millstone River above Raritan River confl. in Manv	Insufficient Data	A67	3	

Table II-18. Data Summary of Metals in the Raritan Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc
10	10-MIL-3	Millstone River above Raritan River confl. in Manv	Chromium	3	0	0	0	1	0	0	0
10	10-MIL-3	Millstone River above Raritan River confl. in Manv	Copper	3	NA	0	0	1	NA	0	0
10	10-MIL-3	Millstone River above Raritan River confl. in Manv	Lead	3	0	0	0	1	0	0	0
10	10-MIL-3	Millstone River above Raritan River confl. in Manv	Mercury	3	0	0	MDL	1	0	0	MDL
10	10-MIL-3	Millstone River above Raritan River confl. in Manv	Nickel	3	0	0	0	1	0	0	0
10	10-MIL-3	Millstone River above Raritan River confl. in Manv	Selenium	3	0	0	0	1	0	0	0
10	10-MIL-3	Millstone River above Raritan River confl. in Manv	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA
10	10-MIL-3	Millstone River above Raritan River confl. in Manv	Zinc	3	NA	0	0	1	NA	0	0
10	10-MIL-5	Millstone River @ Blackwell Mills	Arsenic	3	3	0	0	1	1	0	0
10	10-MIL-5	Millstone River @ Blackwell Mills	Cadmium	3	0	0	MDL	1	0	0	MDL
10	10-MIL-5	Millstone River @ Blackwell Mills	Chromium	3	0	0	0	1	0	0	0
10	10-MIL-5	Millstone River @ Blackwell Mills	Copper	3	NA	0	0	1	NA	0	0
10	10-MIL-5	Millstone River @ Blackwell Mills	Lead	3	0	0	0	1	0	0	0
10	10-MIL-5	Millstone River @ Blackwell Mills	Mercury	3	0	0	MDL	1	0	0	MDL
10	10-MIL-5	Millstone River @ Blackwell Mills	Nickel	3	0	0	0	1	0	0	0
10	10-MIL-5	Millstone River @ Blackwell Mills	Selenium	3	0	0	0	1	0	0	0
10	10-MIL-5	Millstone River @ Blackwell Mills	Silver	0	No Data	No Data	No Data	0	No Data	No Data	NA
10	10-MIL-5	Millstone River @ Blackwell Mills	Zinc	3	NA	0	0	1	NA	0	0
10	10-MIL-6	Millstone River on Wilhousky St, Manville	Arsenic	3	3	0	0	1	1	0	0
10	10-MIL-6	Millstone River on Wilhousky St, Manville	Cadmium	3	0	0	MDL	1	0	0	MDL
10	10-MIL-6	Millstone River on Wilhousky St, Manville	Chromium	3	0	0	0	1	0	0	0
10	10-MIL-6	Millstone River on Wilhousky St, Manville	Copper	3	NA	0	0	1	NA	0	0
10	10-MIL-6	Millstone River on Wilhousky St, Manville	Lead	3	0	0	0	1	0	0	0
10	10-MIL-6	Millstone River on Wilhousky St, Manville	Mercury	3	0	0	MDL	1	0	0	MDL
10	10-MIL-6	Millstone River on Wilhousky St, Manville	Nickel	3	0	0	0	1	0	0	0
10	10-MIL-6	Millstone River on Wilhousky St, Manville	Selenium	3	0	0	0	1	0	0	0
10	10-MIL-6	Millstone River on Wilhousky St, Manville	Silver	0	No Data	No Data	No Data	0	No Data	No Data	NA
10	10-MIL-6	Millstone River on Wilhousky St, Manville	Zinc	3	NA	0	0	1	NA	0	0
10	10-MIL-7	Millstone River off Rte 1, Plainsboro	Arsenic	3	3	0	0	0	No Data	No Data	No Data
10	10-MIL-7	Millstone River off Rte 1, Plainsboro	Cadmium	3	0	0	MDL	0	No Data	No Data	No Data
10	10-MIL-7	Millstone River off Rte 1, Plainsboro	Chromium	3	0	0	0	0	No Data	No Data	No Data
10	10-MIL-7	Millstone River off Rte 1, Plainsboro	Copper	3	NA	0	0	0	NA	No Data	No Data
10	10-MIL-7	Millstone River off Rte 1, Plainsboro	Lead	3	0	0	0	0	No Data	No Data	No Data
10	10-MIL-7	Millstone River off Rte 1, Plainsboro	Mercury	3	0	0	MDL	0	No Data	No Data	No Data
10	10-MIL-7	Millstone River off Rte 1, Plainsboro	Nickel	3	0	0	0	0	No Data	No Data	No Data
10	10-MIL-7	Millstone River off Rte 1, Plainsboro	Selenium	3	0	0	0	0	No Data	No Data	No Data

Table II-18. Data Summary of Metals in the Raritan Region

[illegible]

Table II-18. Data Summary of Metals in the Raritan Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc
10	10-MIL-7	Millstone River off Rte 1, Plainsboro	Silver	3	0	NA	0	0	No Data	No Data	NA
10	10-MIL-7	Millstone River off Rte 1, Plainsboro	Zinc	3	NA	0	0	0	NA	No Data	No Data
10	10-RO-1	Rock Brook on Burnt Hill Rd in Montgomery Twp.	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data
10	10-RO-1	Rock Brook on Burnt Hill Rd in Montgomery Twp.	Cadmium	3	0	0	MDL	0	No Data	No Data	No Data
10	10-RO-1	Rock Brook on Burnt Hill Rd in Montgomery Twp.	Chromium	3	0	0	0	0	No Data	No Data	No Data
10	10-RO-1	Rock Brook on Burnt Hill Rd in Montgomery Twp.	Copper	3	NA	0	0	0	NA	No Data	No Data
10	10-RO-1	Rock Brook on Burnt Hill Rd in Montgomery Twp.	Lead	3	0	0	0	0	No Data	No Data	No Data
10	10-RO-1	Rock Brook on Burnt Hill Rd in Montgomery Twp.	Mercury	3	0	0	MDL	0	No Data	No Data	No Data
10	10-RO-1	Rock Brook on Burnt Hill Rd in Montgomery Twp.	Nickel	3	0	0	0	0	No Data	No Data	No Data
10	10-RO-1	Rock Brook on Burnt Hill Rd in Montgomery Twp.	Selenium	3	0	0	0	0	No Data	No Data	No Data
10	10-RO-1	Rock Brook on Burnt Hill Rd in Montgomery Twp.	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA
10	10-RO-1	Rock Brook on Burnt Hill Rd in Montgomery Twp.	Zinc	3	NA	0	0	0	NA	No Data	No Data
10	10-ROC-1	Rocky Brook on Rte 33 in Hightstown	Arsenic	3	1	0	0	0	No Data	No Data	No Data
10	10-ROC-1	Rocky Brook on Rte 33 in Hightstown	Cadmium	3	0	MDL	MDL	0	No Data	No Data	No Data
10	10-ROC-1	Rocky Brook on Rte 33 in Hightstown	Chromium	3	0	0	0	0	No Data	No Data	No Data
10	10-ROC-1	Rocky Brook on Rte 33 in Hightstown	Copper	3	NA	0	0	0	NA	No Data	No Data
10	10-ROC-1	Rocky Brook on Rte 33 in Hightstown	Lead	3	0	0	MDL	0	No Data	No Data	No Data
10	10-ROC-1	Rocky Brook on Rte 33 in Hightstown	Mercury	3	0	0	MDL	0	No Data	No Data	No Data
10	10-ROC-1	Rocky Brook on Rte 33 in Hightstown	Nickel	3	0	0	0	0	No Data	No Data	No Data
10	10-ROC-1	Rocky Brook on Rte 33 in Hightstown	Selenium	3	0	0	0	0	No Data	No Data	No Data
10	10-ROC-1	Rocky Brook on Rte 33 in Hightstown	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA
10	10-ROC-1	Rocky Brook on Rte 33 in Hightstown	Zinc	3	NA	0	0	0	NA	No Data	No Data
10	10-ROC-2	Rocky Brook, Rte 130, Hightstown	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data
10	10-ROC-2	Rocky Brook, Rte 130, Hightstown	Cadmium	3	0	0	MDL	0	No Data	No Data	No Data
10	10-ROC-2	Rocky Brook, Rte 130, Hightstown	Chromium	3	0	0	0	0	No Data	No Data	No Data
10	10-ROC-2	Rocky Brook, Rte 130, Hightstown	Copper	3	NA	0	0	0	NA	No Data	No Data
10	10-ROC-2	Rocky Brook, Rte 130, Hightstown	Lead	3	0	0	0	0	No Data	No Data	No Data
10	10-ROC-2	Rocky Brook, Rte 130, Hightstown	Mercury	3	0	0	MDL	0	No Data	No Data	No Data
10	10-ROC-2	Rocky Brook, Rte 130, Hightstown	Nickel	3	0	0	0	0	No Data	No Data	No Data
10	10-ROC-2	Rocky Brook, Rte 130, Hightstown	Selenium	3	0	0	0	0	No Data	No Data	No Data
10	10-ROC-2	Rocky Brook, Rte 130, Hightstown	Silver	3	0	0	NA	0	No Data	No Data	NA
10	10-ROC-2	Rocky Brook, Rte 130, Hightstown	Zinc	3	NA	0	0	0	No Data	No Data	No Data
10	10-STO-1; 10-STO-4	Stony Brook on Rte 206, Princeton	Arsenic	6	2	0	0	1	MDL	0	0
10	10-STO-1; 10-STO-4	Stony Brook on Rte 206, Princeton	Cadmium	6	0	0	MDL	1	0	0	MDL

Table II-18. Data Summary of Metals in the Raritan Region

303d Site ID	Monitoring Location	Assessment Result	1998 303d List Page	Candidate List Category	Notes
10-MIL-7	Millstone River off Rte 1, Plainsboro	Insufficient Data	NA	3	
10-MIL-7	Millstone River off Rte 1, Plainsboro	Insufficient Data	NA	3	
10-RO-1	Rock Brook on Burnt Hill Rd in Montgomery Twp.	Insufficient Data	NA	3	
10-RO-1	Rock Brook on Burnt Hill Rd in Montgomery Twp.	Insufficient Data	NA	3	
10-RO-1	Rock Brook on Burnt Hill Rd in Montgomery Twp.	Insufficient Data	NA	3	
10-RO-1	Rock Brook on Burnt Hill Rd in Montgomery Twp.	Insufficient Data	NA	3	
10-RO-1	Rock Brook on Burnt Hill Rd in Montgomery Twp.	Insufficient Data	NA	3	
10-RO-1	Rock Brook on Burnt Hill Rd in Montgomery Twp.	Insufficient Data	NA	3	
10-RO-1	Rock Brook on Burnt Hill Rd in Montgomery Twp.	Insufficient Data	NA	3	
10-RO-1	Rock Brook on Burnt Hill Rd in Montgomery Twp.	Insufficient Data	NA	3	
10-RO-1	Rock Brook on Burnt Hill Rd in Montgomery Twp.	No Data	NA	3	
10-RO-1	Rock Brook on Burnt Hill Rd in Montgomery Twp.	Insufficient Data	NA	3	
10-ROC-1	Rocky Brook on Rte 33 in Hightstown	Not Attain	NA	5	
10-ROC-1	Rocky Brook on Rte 33 in Hightstown	Insufficient Data	NA	3	
10-ROC-1	Rocky Brook on Rte 33 in Hightstown	Insufficient Data	A67	5	
10-ROC-1	Rocky Brook on Rte 33 in Hightstown	Insufficient Data	NA	3	
10-ROC-1	Rocky Brook on Rte 33 in Hightstown	Insufficient Data	A67	5	
10-ROC-1	Rocky Brook on Rte 33 in Hightstown	Insufficient Data	NA	3	
10-ROC-1	Rocky Brook on Rte 33 in Hightstown	Insufficient Data	NA	3	
10-ROC-1	Rocky Brook on Rte 33 in Hightstown	Insufficient Data	NA	3	
10-ROC-1	Rocky Brook on Rte 33 in Hightstown	No Data	NA	3	
10-ROC-1	Rocky Brook on Rte 33 in Hightstown	Insufficient Data	A67	5	
10-ROC-2	Rocky Brook, Rte 130, Hightstown	Insufficient Data	NA	3	
10-ROC-2	Rocky Brook, Rte 130, Hightstown	Insufficient Data	NA	3	
10-ROC-2	Rocky Brook, Rte 130, Hightstown	Insufficient Data	A67	5	
10-ROC-2	Rocky Brook, Rte 130, Hightstown	Insufficient Data	NA	3	
10-ROC-2	Rocky Brook, Rte 130, Hightstown	Insufficient Data	A67	5	
10-ROC-2	Rocky Brook, Rte 130, Hightstown	Insufficient Data	NA	3	
10-ROC-2	Rocky Brook, Rte 130, Hightstown	Insufficient Data	NA	3	
10-ROC-2	Rocky Brook, Rte 130, Hightstown	Insufficient Data	NA	3	
10-ROC-2	Rocky Brook, Rte 130, Hightstown	Insufficient Data	A67	5	
10-STO-1; 10-STO-4	Stony Brook on Rte 206, Princeton	Not Attain	A67	5	
10-STO-1; 10-STO-4	Stony Brook on Rte 206, Princeton	Insufficient Data	A67	3	

Table II-18. Data Summary of Metals in the Raritan Region

WMA	303d Site ID	Monitoring Location	Parameter	# Baseflow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc	# Elevated Flow Samples	# Samples > HH	# Samples > AQLa	# Samples > AQLc
10	10-STO-1; 10-STO-4	Stony Brook on Rte 206, Princeton	Chromium	6	0	0	0	1	0	0	0
10	10-STO-1; 10-STO-4	Stony Brook on Rte 206, Princeton	Copper	6	NA	0	0	1	NA	0	1
10	10-STO-1; 10-STO-4	Stony Brook on Rte 206, Princeton	Lead	6	0	0	0	1	0	0	1
10	10-STO-1; 10-STO-4	Stony Brook on Rte 206, Princeton	Mercury	6	0	0	MDL	1	0	0	MDL
10	10-STO-1; 10-STO-4	Stony Brook on Rte 206, Princeton	Nickel	6	0	0	0	1	0	0	0
10	10-STO-1; 10-STO-4	Stony Brook on Rte 206, Princeton	Selenium	6	0	0	0	1	0	0	0
10	10-STO-1; 10-STO-4	Stony Brook on Rte 206, Princeton	Silver	0	No Data	No Data	NA	0	No Data	No Data	No Data
10	10-STO-1; 10-STO-4	Stony Brook on Rte 206, Princeton	Zinc	6	NA	0	0	1	NA	0	0
10	10-STO-3	Stony Brook on Mine Rd in Hopewell Twp.	Arsenic	3	MDL	0	0	0	No Data	No Data	No Data
10	10-STO-3	Stony Brook on Mine Rd in Hopewell Twp.	Cadmium	3	0	0	MDL	0	No Data	No Data	No Data
10	10-STO-3	Stony Brook on Mine Rd in Hopewell Twp.	Chromium	3	0	0	0	0	No Data	No Data	No Data
10	10-STO-3	Stony Brook on Mine Rd in Hopewell Twp.	Copper	3	NA	0	0	0	NA	No Data	No Data
10	10-STO-3	Stony Brook on Mine Rd in Hopewell Twp.	Lead	3	0	0	0	0	No Data	No Data	No Data
10	10-STO-3	Stony Brook on Mine Rd in Hopewell Twp.	Mercury	3	0	0	MDL	0	No Data	No Data	No Data
10	10-STO-3	Stony Brook on Mine Rd in Hopewell Twp.	Nickel	3	0	0	0	0	No Data	No Data	No Data
10	10-STO-3	Stony Brook on Mine Rd in Hopewell Twp.	Selenium	3	0	0	0	0	No Data	No Data	No Data
10	10-STO-3	Stony Brook on Mine Rd in Hopewell Twp.	Silver	0	No Data	No Data	NA	0	No Data	No Data	NA
10	10-STO-3	Stony Brook on Mine Rd in Hopewell Twp.	Zinc	3	NA	0	0	0	NA	No Data	No Data

Table II-18. Data Summary of Metals in the Raritan Region

303d Site ID	Monitoring Location	Assessment Result	1998 303d List Page	Candidate List Category	Notes
10-STO-1; 10-STO-4	Stony Brook on Rte 206, Princeton	Attain	A67	1	
10-STO-1; 10-STO-4	Stony Brook on Rte 206, Princeton	Not Attain	NA	5	
10-STO-1; 10-STO-4	Stony Brook on Rte 206, Princeton	Not Attain	A67	5	
10-STO-1; 10-STO-4	Stony Brook on Rte 206, Princeton	Insufficient Data	A67	3	
10-STO-1; 10-STO-4	Stony Brook on Rte 206, Princeton	Attain	NA	1	
10-STO-1; 10-STO-4	Stony Brook on Rte 206, Princeton	Attain	NA	1	
10-STO-1; 10-STO-4	Stony Brook on Rte 206, Princeton	No Data	NA	3	
10-STO-1; 10-STO-4	Stony Brook on Rte 206, Princeton	Attain	A67	1	
10-STO-3	Stony Brook on Mine Rd in Hopewell Twp.	Insufficient Data	A67	5	
10-STO-3	Stony Brook on Mine Rd in Hopewell Twp.	Insufficient Data	A67	5	
10-STO-3	Stony Brook on Mine Rd in Hopewell Twp.	Insufficient Data	A67	5	
10-STO-3	Stony Brook on Mine Rd in Hopewell Twp.	Insufficient Data	NA	3	
10-STO-3	Stony Brook on Mine Rd in Hopewell Twp.	Insufficient Data	A67	5	
10-STO-3	Stony Brook on Mine Rd in Hopewell Twp.	Insufficient Data	A67	5	
10-STO-3	Stony Brook on Mine Rd in Hopewell Twp.	Insufficient Data	NA	3	
10-STO-3	Stony Brook on Mine Rd in Hopewell Twp.	Insufficient Data	NA	3	
10-STO-3	Stony Brook on Mine Rd in Hopewell Twp.	No Data	NA	3	
10-STO-3	Stony Brook on Mine Rd in Hopewell Twp.	Insufficient Data	A67	5	

Table II-19. Summary of AMNET Results

WMA	Site ID	Station Name	1st Round Assessment	2nd Round Assessment	Overall Assessment	2002 List Assessment	Comments
01	AN0001	UNT to Mill Bk at off Rt 23 in Montague Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi, Directly Below Lake
01	AN0002	Clove Bk at Rt 23 in Montague Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
01	AN0003	Shimers Bk at Rt 521 in Montague Twp	NONE	NONE	NONE	Full Attainment	
01	AN0004	Little Flat Bk at Deckertown Tnpk (Rt 650) in Montague Twp	NONE	NONE	NONE	Full Attainment	
01	AN0005	Little Flat Bk at Degroat Rd in Sandyston Twp	NONE	NONE	NONE	Full Attainment	
01	AN0005A	Little Flat Bk at Degroat Rd in Sandyston Twp	NOSAMPLE	NONE	NONE	Full Attainment	
01	AN0006	Big Flat Bk at Rt 521 in Sandyston Twp	NONE	NONE	NONE	Full Attainment	
01	AN0007	Flat Bk at Rt 615 in Walpack Twp	NONE	NONE	NONE	Full Attainment	
01	AN0008	Flat Bk at Rt 615 in Walpack Twp	NONE	NONE	NONE	Full Attainment	
01	AN0009	Van Campens Bk at Flatbrookville - Middleville Rd in Walpack Twp	NONE	NONE	NONE	Full Attainment	
01	AN0010	Van Campens Bk at Mill Rd in Hardwick Twp	NOSAMPLE	NONE	NONE	Full Attainment	
01	AN0011	Van Campens Bk at Old Mine Rd in Hardwick Twp	NONE	NONE	NONE	Full Attainment	
01	AN0012	Dunnfield Ck at River Rd (off Rt 80) in Hardwick Twp	NONE	NONE	NONE	Full Attainment	
01	AN0014	UNT to Paulins Kill at Rt 623 in Lafayette Twp	MODERATE	NONE	NONE	Full Attainment	
01	AN0015	Paulins Kill at Rt 663 in Lafayette Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
01	AN0016	UNT to Paulins Kill at Lafayette Meadows Rd in Lafayette Twp	NONE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi Discontinued Site, Carry over from 98 List
01	AN0016A	Paulins Kill trib @ Rt 94 & Old Beaver Run Rd in Lafayette Twp				Non Attainment	
01	AN0017	Culvers Ck at Rt 206 in Frankford Twp	MODERATE	NONE	NONE	Full Attainment	
01	AN0018	Culvers Ck at Long Bridge Rd in Frankford Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Directly Below Lake
01	AN0019	Dry Bk at Rt 519 in Frankford Twp	NONE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
01	AN0020	Dry Bk at Mill Rd in Branchville Boro	NONE	NOSAMPLE	NONE	Full Attainment	
01	AN0021	Paulins Kill at Rt 626 in Hampton Twp	NONE	NONE	NONE	Full Attainment	
01	AN0021A	Paulins Kill trib @ Van Sickle Rd in Lafayette Twp				Non Attainment	Discontinued Site, Carry over from 98 List
01	AN0022	Paulins Kill at blw Paulins Kill Lk in Stillwater Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
01	AN0023	Troy Bk at blw Swartswood Lk in Stillwater Twp	MODERATE	NOSAMPLE	MODERATE	Insufficient Data	Directly Below Lake
01	AN0023A	Troy Bk at Swartswood Rd in Stillwater Twp	NOSAMPLE	NONE	NONE	Full Attainment	
01	AN0024	Trout Bk at Pond Bk Rd (Rt 612) in Stillwater Twp	NONE	NONE	NONE	Full Attainment	
01	AN0025	Paulins Kill at USGS gage in Blairstown Twp	NONE	NONE	NONE	Full Attainment	
01	AN0025A	Blair Ck at blw Fairview Lk in Stillwater Twp	MODERATE	NOSAMPLE	MODERATE	Insufficient Data	Watershed < 6 sq mi
01	AN0026	Blair Ck at Shannon Rd in Hardwick Twp	NONE	NONE	NONE	Full Attainment	
01	AN0027	Blair Ck at Rt 94 in Blairstown Twp	MODERATE	NONE	NONE	Full Attainment	
01	AN0028	Jacksonburg Ck at Rt 602 in Hardwick Twp	NONE	NONE	NONE	Full Attainment	
01	AN0029	Jacksonburg Ck at Rt 94 in Blairstown Twp	NONE	NONE	NONE	Full Attainment	
01	AN0030	Yards Ck at Mt Vernon Rd in Blairstown Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
01	AN0031	Yards Ck at Rt 94 in Knowlton Twp	NONE	NONE	NONE	Full Attainment	

Table II-19. Summary of AMNET Results

WMA	Site ID	Station Name	1st Round Assessment	2nd Round Assessment	Overall Assessment	2002 List Assessment	Comments
01	AN0032	Paulins Kill at Rt 46 in Knowlton Twp	NONE	MODERATE	MODERATE	Non Attainment	
01	AN0032A	Paulins Kill at Vail Rd in Blirstown Twp	NOSAMPLE	NONE	NONE	Full Attainment	
01	AN0033	Delawanna Ck at Rt 46 in Knowlton Twp	NONE	NONE	NONE	Full Attainment	
01	AN0034	Ramseysburg Ck at Rt 46 in Knowlton Twp	NONE	NOSAMPLE	NONE	Full Attainment	
01	AN0035	Pequest R at Rt 206 in Andover Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
01	AN0036	UNT to Pequest R at Brighton Rd in Green Twp	NONE	MODERATE	MODERATE	Non Attainment	
01	AN0037	Pequest R at Pequest Rd in Green Twp	NONE	NONE	NONE	Full Attainment	
01	AN0038	Trout Bk at Rt 612 in Allamuchy Twp	NONE	MODERATE	MODERATE	Non Attainment	
01	AN0039	Pequest R at Rt 615 in Allamuchy Twp	NONE	NONE	NONE	Full Attainment	
01	AN0040	Bear Ck at nr Alphano in Allamuchy Twp	NONE	MODERATE	MODERATE	Non Attainment	
01	AN0040A	Bear Ck at Dark Moon Rd in Frelinghuysen Twp	NOSAMPLE	MODERATE	MODERATE	Non Attainment	
01	AN0041	Pequest River at Cemetery Rd in Independence Twp	NONE	NONE	NONE	Full Attainment	
01	AN0042	Furnace Bk at Pequest Rd in White Twp	SEVERE	MODERATE	MODERATE	Non Attainment	
01	AN0043	Pequest R at Pequest Rd in White Twp	NONE	NONE	NONE	Full Attainment	
01	AN0044	Mountain Lake Bk at blw Mtn Lk in Liberty Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Directly Below Lake, Watershed < 6 sq mi
01	AN0045	Beaver Bk at abv Silver Lk in Hope Twp	NONE	NONE	NONE	Full Attainment	
01	AN0046	Honey Run at Rt 519 in Hope Twp	NONE	NONE	NONE	Full Attainment	
01	AN0047	Beaver Bk at Sarepta Rd in White Twp	NONE	NONE	NONE	Full Attainment	
01	AN0048	Pequest R at Water St in Belvidere Town	NONE	NONE	NONE	Full Attainment	
01	AN0049	Pophandusing Bk at off Rt 519 in White Twp	NONE	NONE	NONE	Full Attainment	
01	AN0050	Buck Horn Ck at Hutchinson Sta Rd in Harmony Twp	NONE	NONE	NONE	Full Attainment	
01	AN0051	Lopatcong Ck at Montana Mt Rd in Harmony Twp	NONE	NONE	NONE	Full Attainment	
01	AN0052	Lopatcong Ck at Rt 57 in Lopatcong Twp	NONE	NONE	NONE	Full Attainment	
01	AN0053	Lopatcong Ck at Old Rt 22 in Phillipsburg Town	MODERATE	NONE	NONE	Full Attainment	
01	AN0054	Pohatcong Ck at Janes Chapel Rd in Mansfield Twp	NONE	NONE	NONE	Full Attainment	
01	AN0054A	Pohatcong Ck @ O'Brian Rd in Mansfield Twp				Non Attainment	Discontinued Site, Carry over from 98 List
01	AN0055	Pohatcong Ck at Tunnel Hill Rd in Mansfield Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
01	AN0056	Brass Castle Ck at Brass Castle Rd in Washington Twp	NONE	NONE	NONE	Full Attainment	
01	AN0057	Pohatcong Ck at Buttermilk Bridge Rd in Washington Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
01	AN0058	Pohatcong Ck at Edison Rd in Franklin Twp	NONE	NONE	NONE	Full Attainment	
01	AN0059	Merrill Ck at Merrill Ck Rd (abv res) in Harmony Twp	MODERATE	NONE	NONE	Full Attainment	
01	AN0060	Merrill Ck at Farm Rd in Greenwich Twp	NONE	NONE	NONE	Full Attainment	
01	AN0061	Pohatcong Ck at Carpentersville Rd in Pohatcong Twp	NONE	NONE	NONE	Full Attainment	
01	AN0062	Musconetcong R at blw Lk Hopatcong in Roxbury Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Directly Below Lake
01	AN0063	Musconetcong R at blw Lk Musconetcong in Mount Olive Twp	MODERATE	NONE	NONE	Full Attainment	

Table II-19. Summary of AMNET Results

WMA	Site ID	Station Name	1st Round Assessment	2nd Round Assessment	Overall Assessment	2002 List Assessment	Comments
01	AN0063A	Musconetcong R @ Rt 206 in Netcong				Non Attainment	Discontinued Site, Carry over from 98 List
01	AN0064	Musconetcong R at off Rt 604 (abv Lubbers Run) in Byram Twp	NONE	NONE	NONE	Full Attainment	
01	AN0064B	Wills Bk @ Erie Lackawanna RR Bridge in Mt Olive Twp				Non Attainment	Discontinued Site, Carry over from 98 List
01	AN0064C	Wills Bk @ Acorn St in Mt Olive Twp				Non Attainment	Discontinued Site, Carry over from 98 List
01	AN0065	Lubbers Run at Rt 607 in Byram Twp	NONE	NONE	NONE	Full Attainment	
01	AN0066	Lubbers Run at Rt 206 in Byram Twp	NONE	NONE	NONE	Full Attainment	
01	AN0067	Mine Bk at Rt 517 in Washington Twp	NONE	NONE	NONE	Full Attainment	
01	AN0068	Trout Bk at Rt 57 in Hackettstown Town	NONE	MODERATE	MODERATE	Non Attainment	
01	AN0069	Musconetcong R at Kings Hwy in Washington Twp	NONE	NONE	NONE	Full Attainment	
01	AN0069A	Lubbers Run @ Waterloo Rd (N of Rt 604) in Byram Twp.				Non Attainment	Discontinued Site, Carry over from 98 List
01	AN0069B	Musconetcong R off Rt 604 (blw Lubbers Run) in Lockwood				Non Attainment	Discontinued Site, Carry over from 98 List
01	AN0069C	Musconetcong R blw Waterloo Village lower dam in Mt Olive Twp.				Non Attainment	Discontinued Site, Carry over from 98 List
01	AN0069D	Musconetcong R @ S of Rt 604 & Rt 80 in Mt Olive Twp				Non Attainment	Discontinued Site, Carry over from 98 List
01	AN0069E	Musconetcong R @ Rt 604 (abv Saxton Lk) in Mt Olive Twp				Non Attainment	Discontinued Site, Carry over from 98 List
01	AN0070	Hances Bk at Rt 57 in Mansfield Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
01	AN0071	UNT to Musconetcong R at Rt 57 in Mansfield Twp	NONE	NONE	NONE	Full Attainment	
01	AN0072	Musconetcong R at New Hampton Rd in Lebanon Twp	NONE	MODERATE	MODERATE	Non Attainment	
01	AN0073	Musconetcong R at Rt 579 in Greenwich Twp	NONE	NONE	NONE	Full Attainment	
01	AN0074	Musconetcong R at River Rd in Pohatcong Twp	NONE	NONE	NONE	Full Attainment	
11	AN0075	Hakihokake Ck at Myler Rd in Holland Twp	NONE	NONE	NONE	Full Attainment	
11	AN0076	Hakihokake Ck at Miller Park Rd in Holland Twp	NONE	NONE	NONE	Full Attainment	
11	AN0077	Hakihokake Ck at Bridge St in Milford Boro	NONE	NONE	NONE	Full Attainment	
11	AN0078	Hakihokake Ck at Hartpence Rd in Alexandria Twp	NONE	NONE	NONE	Full Attainment	
11	AN0079	Hakihokake Ck at River Rd in Alexandria Twp	MODERATE	NONE	NONE	Full Attainment	
11	AN0080	Nishisakawick Ck at Airport Rd in Alexandria Twp	NONE	NONE	NONE	Full Attainment	
11	AN0081	Nishisakawick Ck at off Creek Rd in Alexandria Twp	NONE	NONE	NONE	Full Attainment	
11	AN0082	Nishisakawick Ck at Creek Rd (Frenchtown Pk) in Frenchtown Boro	NONE	NONE	NONE	Full Attainment	
11	AN0083	Ltl Nishisakawick at Rt 29 in Frenchtown Boro	NONE	NONE	NONE	Full Attainment	
11	AN0084	Copper Ck at Horseshoe Bend Rd in Kingwood Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
11	AN0085	Warford Ck at Rt 29 in Kingwood Twp	NONE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi

Table II-19. Summary of AMNET Results

WMA	Site ID	Station Name	1st Round Assessment	2nd Round Assessment	Overall Assessment	2002 List Assessment	Comments
11	AN0086	Lockatong Ck at Oak Grove Rd in Franklin Twp	MODERATE	NONE	NONE	Full Attainment	
11	AN0087	Lockatong Ck at Rt 12 in Kingwood Twp	NONE	NONE	NONE	Full Attainment	
11	AN0088	Lockatong Ck at Rt 519 in Kingwood Twp	NONE	NONE	NONE	Full Attainment	
11	AN0089	Lockatong Ck at Rt 29 in Delaware Twp	NONE	NONE	NONE	Full Attainment	
11	AN0090	Wickecheoke Ck at Rt 579 in Raritan Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
11	AN0091	Wickecheoke Ck at Locktown - Sergeantsville Rd in Delaware Twp	NONE	MODERATE	MODERATE	Non Attainment	
11	AN0092	Plum Bk at Rt 579 in Raritan Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
11	AN0093	Plum Bk at Pine Hill Rd in Delaware Twp	NONE	MODERATE	MODERATE	Non Attainment	
11	AN0094	Wickecheoke Ck at Sergeantsville Rd in Delaware Twp	NONE	NONE	NONE	Full Attainment	
11	AN0095	Wickecheoke Ck at Rt 29 in Stockton Boro	NONE	NONE	NONE	Full Attainment	
11	AN0096	Alexauken Ck at Lambertville Rd in Lambertville City	NONE	NONE	NONE	Full Attainment	
11	AN0097	UNT to Alexauken Ck at Queen Rd & Alexauken Ck Rd in West Amwell Twp	NONE	NONE	NONE	Full Attainment	
11	AN0098	Alexauken Ck at Rt 29 in Lambertville City	NONE	NONE	NONE	Full Attainment	
11	AN0099	Swan Ck at Swan St in Lambertville City	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
11	AN0100	Moore's Ck at Barry Rd in West Amwell Twp	NONE	NONE	NONE	Full Attainment	
11	AN0101	Moore's Ck at Rt 29 in Hopewell Twp	MODERATE	NONE	NONE	Full Attainment	
11	AN0102	Jacobs Ck at Woosamonsa Rd in Hopewell Twp	NONE	NONE	NONE	Full Attainment	
11	AN0103	Airport Br of Jacobs Ck at Rt 579 in Ewing Twp	MODERATE	NONE	NONE	Full Attainment	
11	AN0104	Woolseys Bk at Rt 546 in Hopewell Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
11	AN0105	Jacobs Ck at Rt 546 in Hopewell Twp	NONE	NONE	NONE	Full Attainment	
11	AN0106	Jacobs Ck at Rt 29 in Ewing Twp	NONE	NONE	NONE	Full Attainment	
11	AN0106A	Jacobs Cr @ Bear Tavern Rd in Hopewell twp.				Non Attainment	Discontinued Site, Carry over from 98 List
11	AN0107	Gold Run at Rt 29 & L Ferry Rd in Ewing Twp	NONE	NONE	NONE	Full Attainment	
11	AN0108	Assunpink Ck at Roosevelt Rd in Roosevelt Boro	SEVERE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
11	AN0109	Assunpink Ck at Rt 535 in West Windsor Twp	NONE	MODERATE	MODERATE	Non Attainment	
11	AN0109A	Assunpink Ck at Windsor Rd in Washington Twp	NOSAMPLE	MODERATE	MODERATE	Non Attainment	
11	AN0109B	New Sharon Bk at Sharon Rd in Washington Twp	NOSAMPLE	MODERATE	MODERATE	Non Attainment	
11	AN0109T	Assunpink Ck trib nr. Assunpink WMA office in Millstone Twp.				Non Attainment	Discontinued Site, Carry over from 98 List
11	AN0110	UNT to Shipetaukin Ck at Van Kirk Rd in Lawrence Twp	SEVERE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
11	AN0111	Shipetaukin Ck at Rt 583 in Lawrence Twp	SEVERE	MODERATE	MODERATE	Non Attainment	
11	AN0112	Little Shabakunk Ck at Princeton Pike (Rt 583) in Lawrence Twp	NOSAMPLE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
11	AN0112X	Little Shabakunk Ck at Rt 206 in Lawrence Twp	SEVERE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
11	AN0113	Shabakunk Ck at Bull Run Rd in Hopewell Twp	SEVERE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
11	AN0114	Shabakunk Ck at Rt 206 in Lawrence Twp	MODERATE	MODERATE	MODERATE	Non Attainment	

Table II-19. Summary of AMNET Results

WMA	Site ID	Station Name	1st Round Assessment	2nd Round Assessment	Overall Assessment	2002 List Assessment	Comments
11	AN0115	Miry Run at Rt 533 in Hamilton Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
11	AN0115A	Miry Run at Pond Rd in Washington Twp	NOSAMPLE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
11	AN0116	Assunpink Ck at Mulberry St in Trenton City	MODERATE	MODERATE	MODERATE	Non Attainment	
11	AN0117	Pond Run at Rt 533 in Hamilton Twp	SEVERE	SEVERE	SEVERE	Non Attainment	
11	AN0118	Assunpink Ck at Willow St in Trenton City	MODERATE	MODERATE	MODERATE	Non Attainment	
20	AN0119	Jumping Bk at Bunting Bridge Rd in New Hanover Twp	SEVERE	MODERATE	MODERATE	Non Attainment	
20	AN0119A	South Run at Cookstown Rd in New Hanover Twp	NOSAMPLE	SEVERE	SEVERE	Insufficient Data	Pinelands
20	AN0120	North Run at Main St in North Hanover Twp	SEVERE	MODERATE	MODERATE	Non Attainment	
19	AN0120A	North Run trib @ Highland Ave in Wrightstown				Non Attainment	Discontinued Site, Carry over from 98 List
20	AN0121	Crosswicks Ck at Rt 537 in Plumsted Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
19	AN0121A	Moorhouse Bk trib S @ Moorhouse Rd in New Egypt				Non Attainment	Discontinued Site, Carry over from 98 List
19	AN0121B	Crosswicks Ck trib S @ Cookstown-New Egypt Rd in Cookstown				Non Attainment	Discontinued Site, Carry over from 98 List
19	AN0121D	Crosswicks Ck @ Rt 528 (blw Oakford Lk) in New Egypt				Non Attainment	Discontinued Site, Carry over from 98 List
20	AN0122	Lahaway Ck at Rt 537 in Upper Freehold Twp	MODERATE	SEVERE	SEVERE	Non Attainment	
20	AN0123	Ivanhoe Bk at Millers Mill Rd in Upper Freehold Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
20	AN0124	Lahaway Ck at New Egypt - Allentown Rd in Upper Freehold Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
20	AN0125	Crosswicks Ck at Extonville Rd in Hamilton Twp	SEVERE	NONE	NONE	Full Attainment	
19	AN0125A	Miry Run @ Meirs Rd in Cream Ridge				Non Attainment	Discontinued Site, Carry over from 98 List
20	AN0125B	Miry Run at Holmes Mill Rd in Upper Freehold Twp	NOSAMPLE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
20	AN0126	Crosswicks Ck at Main St in Hamilton Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
20	AN0126A	Unt Crosswicks Ck at Iron Bridge Rd in Chesterfield Twp	NOSAMPLE	SEVERE	SEVERE	Non Attainment	
20	AN0126B	Pleasant Run at Extonville Rd in Hamilton Twp	NOSAMPLE	SEVERE	SEVERE	Non Attainment	
20	AN0127	Doctors Ck at Red Valley Rd in Upper Freehold Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Directly Below Lake, Watershed < 6 sq mi
19	AN0127A	Doctors Ck @ Spring Rd in Millstone Twp.				Non Attainment	Discontinued Site, Carry over from 98 List
20	AN0128	Negro Run at Red Valley Rd in Upper Freehold Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
20	AN0129	Doctors Ck at Breza Rd in Upper Freehold Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
20	AN0130	Doctors Ck at Rt 130 in Hamilton Twp	NONE	MODERATE	MODERATE	Non Attainment	
20	AN0131	Crosswicks Ck at Point Breeze in Bordentown Twp	MODERATE	MODERATE	MODERATE	Not Assessed, Tide	Tidal
20	AN0131A	Back Ck at Yardville-Hamilton Sq Rd in Hamilton Twp	NOSAMPLE	MODERATE	MODERATE	Non Attainment	
20	AN0132	Blacks Ck at Chesterfield - Georgetown Rd in Chesterfield Twp	MODERATE	MODERATE	MODERATE	Non Attainment	

Table II-19. Summary of AMNET Results

WMA	Site ID	Station Name	1st Round Assessment	2nd Round Assessment	Overall Assessment	2002 List Assessment	Comments
20	AN0133	Bacon Run at White Pine Rd in Mansfield Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
20	AN0133A	Bacon Run @ Georgetown-Bordentown Rd in Georgetown				Non Attainment	Discontinued Site, Carry over from 98 List
20	AN0134	Blacks Ck at Rt 130 in Bordentown Twp	MODERATE	MODERATE	MODERATE	Not Assessed, Tidal	Tidal
20	AN0135	Crafts Ck at Gaunts Bridge Rd in Mansfield Twp	SEVERE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
20	AN0136	Crafts Ck at Island Rd in Mansfield Twp	MODERATE	SEVERE	SEVERE	Non Attainment	
20	AN0137	Crafts Ck at Old York Rd in Mansfield Twp	SEVERE	NONE	NONE	Full Attainment	
20	AN0138	Assiscunk Ck at Columbus - Georgetown Rd in Springfield Twp	SEVERE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
20	AN0139	Annaricken Bk at Island Rd in Springfield Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
20	AN0140	Barkers Bk N Br at Juliustown Rd in Springfield Twp	SEVERE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
20	AN0141	Assiscunk Ck at Hedding Rd (nr Jacksonville) in Mansfield Twp	MODERATE	NOSAMPLE	MODERATE	Non Attainment	
20	AN0141O	Barkers Bk at Jacksonville-Smithville Rd in Springfield Twp	NOSAMPLE	MODERATE	MODERATE	Non Attainment	
20	AN0142	Assiscunk Ck at Neck Rd in Burlington Twp	MODERATE	SEVERE	SEVERE	Not Assessed, Tidal	Tidal
20	AN0142C	UNT to Assiscunk Ck at Oxmead Rd in Burlington Twp	NOSAMPLE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
19	AN0143	North Br Rancocas Ck at blw Hanover Lk in Pemberton Twp	NONE	MODERATE	MODERATE	Insufficient Data	Pinelands, Directly Below Lake
19	AN0144	Pole Bridge Br at blw Country Lk in Pemberton Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands, Directly Below Lake
19	AN0145	Mt Misery Bk at Rt 70 in Pemberton Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
19	AN0146	McDonalds Br at USGS gage in Woodland Twp	MODERATE	NONE	NONE	Insufficient Data	Pinelands
19	AN0147	Bisphams Mill Ck at New Lisbon Rd in Pemberton Twp	MODERATE	NONE	NONE	Insufficient Data	Pinelands
19	AN0148	Greenwood Br at New Lisbon Rd in Pemberton Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
19	AN0149	Rancocas Ck N Br at Main St in Pemberton Boro	NONE	MODERATE	MODERATE	Insufficient Data	Pinelands
19	AN0149A	Ong Run at W Lake Shore Dr in Pemberton Twp	NOSAMPLE	SEVERE	SEVERE	Insufficient Data	Pinelands
19	AN0149B	Jacks Run at Range Rd in New Hanover Twp	NOSAMPLE	MODERATE	MODERATE	Insufficient Data	Pinelands
19	AN0150	Budds Run at Main St in Pemberton Twp	MODERATE	SEVERE	SEVERE	Insufficient Data	Pinelands
19	AN0151	Rancocas Ck N Br at Pine St Pk in Mount Holly Twp	MODERATE	SEVERE	SEVERE	Non Attainment	
19	AN0151A	Indian Run at Birmingham Rd in Pemberton Twp	NOSAMPLE	MODERATE	MODERATE	Non Attainment	
19	AN0152	Friendship Ck at Friendship Rd in Tabernacle Twp	NONE	MODERATE	MODERATE	Insufficient Data	Pinelands
19	AN0153	Burrs Mill Bk at Hedgerhouse Rd in Woodland Twp	SEVERE	MODERATE	MODERATE	Insufficient Data	Pinelands, Directly Below Lake
19	AN0154	Burrs Mill Bk at Sooy Pl Rd in Southampton Twp	NONE	MODERATE	MODERATE	Insufficient Data	Pinelands
19	AN0155	Friendship Ck at Retreat Rd in Southampton Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
19	AN0156	Rancocas Ck S Br at Buddtown - Beaverville Rd in Southampton Twp	SEVERE	MODERATE	MODERATE	Insufficient Data	Pinelands
19	AN0157	Jade Run at off Rt 206 in Southampton Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
19	AN0157A	Jade Run at Stockton Bridge Rd in Pemberton Twp	NOSAMPLE	MODERATE	MODERATE	Insufficient Data	Pinelands
19	AN0158	Little Ck at Rt 70 in Southampton Twp	NONE	NONE	NONE	Insufficient Data	Pinelands

Table II-19. Summary of AMNET Results

WMA	Site ID	Station Name	1st Round Assessment	2nd Round Assessment	Overall Assessment	2002 List Assessment	Comments
19	AN0159	Bear Swamp R at Rt 70 in Southampton Twp	MODERATE	SEVERE	SEVERE	Insufficient Data	Pinelands
19	AN0160	Little Ck at Eayrestown Rd in Lumberton Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
19	AN0161	Rancocas Ck S Br at Mt Holly - Eayrestown Rd in Lumberton Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
19	AN0162	Rancocas Ck SW Br at Elmwood Rd in Evesham Twp	SEVERE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
19	AN0163	Barton Run at Braddock Mill Rd & Rt 73 in Evesham Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
19	AN0164	Black Run at Kettle Run Rd in Evesham Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
19	AN0165	Black Run trib at Braddock Mill Rd in Evesham Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
19	AN0166	Barton Run at Tuckerton Rd in Medford Twp	SEVERE	MODERATE	MODERATE	Insufficient Data	Pinelands
19	AN0167	Kettle Run at Hopewell Rd in Evesham Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
19	AN0168	Haynes Ck at Himmelein Rd in Medford Twp	NONE	MODERATE	MODERATE	Insufficient Data	Pinelands
19	AN0169	Rancocas Ck SW Br at Rt 70 in Medford Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
19	AN0170	Sharps Run at Rt 541 in Medford Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
19	AN0171	Bobbys Run at Newbolds Cor Rd in Lumberton Twp	MODERATE	MODERATE	MODERATE	Not Assessed, Tidal	Tidal, Watershed < 6 sq mi
19	AN0171A	Bobbys Run at Smithville Rd in Southampton Twp	NOSAMPLE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
19	AN0172	UNT to Masons Ck at Ark Rd in Lumberton Twp	SEVERE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
19	AN0173	Masons Ck at Rt 38 in Hainesport Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
19	AN0174	Parkers Ck at Creek Rd in Moorestown Twp	MODERATE	MODERATE	MODERATE	Not Assessed, Tidal	Tidal
20	AN0174A	Parkers Ck @ Rt 603 in Mt Laurel				Non Attainment	Discontinued Site, Carry over from 98 List
19	AN0175	Mill Ck at Levitt Pkwy in Willingboro Twp	SEVERE	MODERATE	MODERATE	Non Attainment	
18	AN0176	Swedes Run at Rt 130 in Delran Twp	SEVERE	SEVERE	SEVERE	Non Attainment	
20	AN0176A	Swedes Run @ Garwood Rd in Moorestown				Non Attainment	Discontinued Site, Carry over from 98 List
19	AN0176R	Rancocas Ck at NJTPK bridge in Hainesport Twp	NOSAMPLE	MODERATE	MODERATE	Not Assessed, Tidal	Tidal
19	AN0176S	S Br Rancocas Ck at Rt 38 in Hainesport Twp	NOSAMPLE	MODERATE	MODERATE	Not Assessed, Tidal	Tidal
18	AN0177	Pompeston Ck at Rt 130 in Cinnaminson Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
20	AN0177A	Pompeston Ck @ New Albany Rd In Moorestown				Non Attainment	Discontinued Site, Carry over from 98 List
18	AN0178	Pennsauken Ck N Br at Church Rd in Mount Laurel Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
18	AN0179	Pennsauken Ck N Br at Fellowship Rd in Mount Laurel Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
18	AN0180	Pennsauken Ck N Br at Rt 537 in Maple Shade Twp	MODERATE	MODERATE	MODERATE	Not Assessed, Tidal	Tidal
18	AN0181	Pennsauken Ck N Br at Fork Landing Rd in Cinnaminson Twp	SEVERE	MODERATE	MODERATE	Not Assessed, Tidal	Tidal
18	AN0182	Pennsauken Ck S Br at Greentree Rd in Evesham Twp	SEVERE	SEVERE	SEVERE	Non Attainment	
18	AN0183	Pennsauken Ck S Br at Rt 41 in Cherry Hill Twp	SEVERE	MODERATE	MODERATE	Non Attainment	
18	AN0184	Pennsauken Ck S Br at Rt 537 in Maple Shade Twp	SEVERE	MODERATE	MODERATE	Not Assessed, Tidal	Tidal

Table II-19. Summary of AMNET Results

WMA	Site ID	Station Name	1st Round Assessment	2nd Round Assessment	Overall Assessment	2002 List Assessment	Comments
18	AN0185	Pennsauken Ck S Br at Fork Landing Rd in Pennsauken Twp	SEVERE	MODERATE	MODERATE	Not Assessed, Tidal	Tidal
18	AN0186	Cooper R N Br at Kresson Rd in Voorhees Twp	SEVERE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
18	AN0187	Cooper R N Br at Springdale Rd in Cherry Hill Twp	SEVERE	MODERATE	MODERATE	Non Attainment	
18	AN0188	Cooper R N Br at River Dr in Cherry Hill Twp	SEVERE	MODERATE	MODERATE	Non Attainment	
18	AN0189	Cooper R S Br at Gibbsboro Rd in Gibbsboro Boro	SEVERE	SEVERE	SEVERE	Non Attainment	
18	AN0190	Cooper R S Br at Evesham Rd in Cherry Hill Twp	SEVERE	SEVERE	SEVERE	Non Attainment	
18	AN0191	Cooper R S Br at Rt 41 in Cherry Hill Twp	SEVERE	MODERATE	MODERATE	Insufficient Data	Directly Below Lake
07	AN0192	Rahway R at Northfield Ave in West Orange Town	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
07	AN0193	Rahway R at Washington Ave (Rt 82) in Springfield Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
07	AN0194	Rahway R at Kenilworth Blvd in Cranford Twp	MODERATE	SEVERE	SEVERE	Non Attainment	
07	AN0195	Rahway R at River Rd & Church St in Rahway City	MODERATE	SEVERE	SEVERE	Non Attainment	
07	AN0196	Robinsons Br at Goodmans Crossing in Scotch Plains Twp	SEVERE	MODERATE	MODERATE	Non Attainment	
07	AN0197	Robinsons Br trib at Raritan (Terrell) Rd in Scotch Plains Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
07	AN0198	Robinsons Br trib at Lamberts Mill Rd in Westfield Town	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
07	AN0199	Robinsons Br at Rt 27 in Rahway City	MODERATE	MODERATE	MODERATE	Non Attainment	
07	AN0200	Rahway R S Br at Parsonnage Rd in Edison Twp	MODERATE	SEVERE	SEVERE	Non Attainment	
07	AN0201	Rahway R S Br at Merrill Park in Woodbridge Twp	SEVERE	MODERATE	MODERATE	Non Attainment	
07	AN0202	W Br Elizabeth R at Vaux Hall Rd in Union Twp	NOSAMPLE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
07	AN0202X	Elizabeth R at Lakeview Rd & Maple Terr in Union Twp	MODERATE	NOSAMPLE	MODERATE	Insufficient Data	Watershed < 6 sq mi
07	AN0204	Elizabeth R at North Ave in Hillside Twp	NOSAMPLE	NONE	NONE	Full Attainment	
07	AN0204X	Elizabeth R at Summer St in Hillside Twp	SEVERE	NOSAMPLE	SEVERE	Non Attainment	
05	AN0205	Hackensack R at Old Tappan Rd in Old Tappan Boro	MODERATE	MODERATE	MODERATE	Non Attainment	
05	AN0206	Musquapsink R at Harrington Ave in Westwood Boro	MODERATE	MODERATE	MODERATE	Non Attainment	
05	AN0207	Pascack Bk at Westwood Ave & Harrington Ave in Westwood Boro	MODERATE	NONE	NONE	Full Attainment	
05	AN0208	Dwars Kill at End of Anderson Ave in Alpine Boro	NONE	NONE	NONE	Full Attainment	
05	AN0209	Tenakill Bk at Cedar Ln in Closter Boro	SEVERE	SEVERE	SEVERE	Non Attainment	
05	AN0210	Dorotockeys Run at Tappan Rd in Harrington Park Boro	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
05	AN0211	Van Saun Bk at Main St & Rt 4 in Hackensack City	MODERATE	MODERATE	MODERATE	Non Attainment	
05	AN0212	Overpeck Ck at Dean Dr in Englewood City	SEVERE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
06	AN0213	Passaic R at Tempewick Rd in Mendham Twp	MODERATE	NONE	NONE	Full Attainment	
06	AN0214	Indian Grave Bk at Hardscrabble Rd in Bernardsville Boro	NONE	NONE	NONE	Full Attainment	
06	AN0215	Primrose Bk at Jockey Hollow Nat'l Pk in Harding Twp	NONE	NONE	NONE	Full Attainment	

Table II-19. Summary of AMNET Results

WMA	Site ID	Station Name	1st Round Assessment	2nd Round Assessment	Overall Assessment	2002 List Assessment	Comments
06	AN0216	Primrose Bk at Lees Mill Rd in Harding Twp	MODERATE	NONE	NONE	Full Attainment	
06	AN0217	Great Bk at Blackwells Pl in Harding Twp	NONE	NONE	NONE	Full Attainment	
06	AN0218	Great Bk at Blackberry Ln in Morris Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
06	AN0219	Great Bk at Woodland Rd (Gr Swamp WMA) in Harding Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
06	AN0220	Loantaka Bk at Bluestone Terr in Morris Twp	SEVERE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
06	AN0221	Loantaka Bk at Green Village Rd in Chatham Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
06	AN0222	Black Bk at Southern Blvd in Chatham Twp	SEVERE	SEVERE	SEVERE	Non Attainment	
06	AN0223	Black Bk at New Vernon Rd in Long Hill Twp	SEVERE	MODERATE	MODERATE	Non Attainment	
06	AN0224	Passaic R at Valley Rd in Long Hill Twp	NONE	NONE	NONE	Full Attainment	
06	AN0225	UNT to Dead R at Somerville Rd (Liberty Cor) in Bernards Twp	NONE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
06	AN0226	Dead R at Somerville Rd (Liberty Cor) in Bernards Twp	NONE	NONE	NONE	Full Attainment	
06	AN0227	Dead R at King George Rd in Bernards Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
06	AN0227A	Harrison Bk at Valley Rd in Bernards Twp	NOSAMPLE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
06	AN0228	Passaic R at S Main Ave in Warren Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
06	AN0229	Passaic R at Stanley Ave in Summit City	SEVERE	MODERATE	MODERATE	Non Attainment	
06	AN0229B	Passaic R @ Snyder Ave in Berkeley Twp				Non Attainment	Discontinued Site, Carry over from 98 List
06	AN0229C	Passaic R @ Fairmount Ave in Long Hill				Non Attainment	Discontinued Site, Carry over from 98 List
06	AN0230	Passaic R at Summit Ave in Summit City	SEVERE	MODERATE	MODERATE	Non Attainment	
06	AN0230A	Passaic R @ Watchung Ave in Chatham				Non Attainment	Discontinued Site, Carry over from 98 List
06	AN0231	Passaic R at Eagle Rock Ave in East Hanover Twp	MODERATE	SEVERE	SEVERE	Non Attainment	
06	AN0231A	Passaic R at Passaic Ave in Millburn Twp	NOSAMPLE	SEVERE	SEVERE	Non Attainment	
06	AN0231B	Passaic R @ Old Mt Pleasant Ave in E Hanover Twp				Non Attainment	Discontinued Site, Carry over from 98 List
06	AN0231C	Slough Bk at Parsonage Hill Rd in Millburn Twp	NOSAMPLE	SEVERE	SEVERE	Non Attainment	
06	AN0231D	Canoe Bk at Parsonage Hill Rd in Millburn Twp	NOSAMPLE	MODERATE	MODERATE	Non Attainment	
06	AN0231E	Canoe Bk at McClellan St in Livingston Twp	NOSAMPLE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
06	AN0232	Whippany R at Mt Pleasant Rd in Mendham Twp	NONE	NONE	NONE	Full Attainment	
06	AN0233	Whippany R at Whitehead Rd in Morris Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
06	AN0234	Whippany R at Ridgedale Ave in Morristown Town	SEVERE	NONE	NONE	Full Attainment	
06	AN0234A	Watnong Bk at Lake Rd in Morris Twp	MODERATE	NONE	NONE	Full Attainment	
06	AN0234B	Watnong Bk @ W Hanover Rd in Morris Twp				Non Attainment	Discontinued Site, Carry over from 98 List
06	AN0235	Whippany R at Jefferson Rd in Hanover Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
06	AN0236	Troy Bk at Lake Rd in Mountain Lakes Boro	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi

Table II-19. Summary of AMNET Results

WMA	Site ID	Station Name	1st Round Assessment	2nd Round Assessment	Overall Assessment	2002 List Assessment	Comments
06	AN0237	Troy Bk at Beaverwyck Rd in Parsippany-Troy Hills Twp	MODERATE	NONE	NONE	Full Attainment	
06	AN0238	Whippany R at Edwards Rd in Parsippany-Troy Hills Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
06	AN0238B	Malapardis Bk at Mt Pleasant Ave in Hanover Twp	NOSAMPLE	NONE	NONE	Full Attainment	
06	AN0239	Russia Bk at Milton - Dover Rd in Jefferson Twp	NONE	NONE	NONE	Full Attainment	
06	AN0240	Rockaway R at blw Longwood Lk in Jefferson Twp	MODERATE	NONE	NONE	Full Attainment	
06	AN0241	Rockaway R at Berkshire Valley Rd in Jefferson Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
06	AN0242	Green Pd Bk at Mt Pleasant Tnpk in Wharton Boro	MODERATE	MODERATE	MODERATE	Non Attainment	
06	AN0243	Rockaway R at Blackwell St (Rt 513) in Rockaway Twp	NONE	NONE	NONE	Full Attainment	
06	AN0244	Mill Bk at Palmer Rd in Randolph Twp	NONE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
06	AN0245	Beaver Bk at Lyonville Rd in Rockaway Twp	NONE	NONE	NONE	Full Attainment	
06	AN0246	Beaver Bk at Morris Ave in Denville Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
06	AN0247	Den Bk at Mt Pleasant Tnpk in Denville Twp	SEVERE	NONE	NONE	Full Attainment	
06	AN0248	Rockaway R at Pocono Rd in Denville Twp	NONE	NONE	NONE	Full Attainment	
06	AN0249	Stony Bk at Valley Rd in Boonton Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
06	AN0250	Rockaway R at Morris Ave in Boonton Town	NONE	MODERATE	MODERATE	Non Attainment	
06	AN0251	Rockaway R at River Rd in Parsippany-Troy Hills Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Directly Below Lake
06	AN0252	Crooked Bk at Hemlock Rd in Montville Twp	NONE	NONE	NONE	Full Attainment	
06	AN0253	Crooked Bk at Vista Rd in Montville Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
06	AN0254	Crooked Bk at River Rd in Montville Twp	MODERATE	NONE	NONE	Full Attainment	
03	AN0255	Wanaque R at E Shore Dr in West Milford Twp	NONE	NONE	NONE	Full Attainment	
03	AN0255C	Belchers Bk at Union Valley Rd in West Milford Twp	NOSAMPLE	MODERATE	MODERATE	Non Attainment	
03	AN0255D	Green Bk at Union Valley Rd in West Milford Twp	NOSAMPLE	NONE	NONE	Full Attainment	
03	AN0256	Wanaque R at Highland Ave (blw STP) in Wanaque Boro	MODERATE	MODERATE	MODERATE	Non Attainment	
03	AN0256A	Meadow Bk at Highland Ave in Wanaque Boro	NOSAMPLE	MODERATE	MODERATE	Non Attainment	
03	AN0257	Wanaque R at Wanaque Ave in Pompton Lakes Boro	MODERATE	NONE	NONE	Full Attainment	
03	AN0258	Pequannock R at Rt 515 in Hardyston Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
03	AN0259	Pequannock R at Rt 23 (abv res) in West Milford Twp	NONE	MODERATE	MODERATE	Non Attainment	
03	AN0260	Mossmans Bk at Clinton Rd (abv res) in West Milford Twp	MODERATE	NONE	NONE	Full Attainment	
03	AN0261	Clinton Bk at LaRue Rd in West Milford Twp	SEVERE	NONE	NONE	Full Attainment	
03	AN0262	Kanouse Bk at Rt 23 in West Milford Twp	MODERATE	NONE	NONE	Full Attainment	
03	AN0263	Macopin R at blw Echo Lk in West Milford Twp	NONE	NOSAMPLE	NONE	Full Attainment	
03	AN0264	Pequannock R at Rt 23 (Macopin Intake) in West Milford Twp	NONE	NONE	NONE	Full Attainment	
03	AN0265	Pequannock R at Rt 511 in Butler Boro	NONE	NONE	NONE	Full Attainment	
03	AN0266	Ramapo R at W Ramapo Ave in Mahwah Twp	MODERATE	NONE	NONE	Full Attainment	
03	AN0267	Ramapo R at Lenape Ln in Oakland Boro	MODERATE	NONE	NONE	Full Attainment	

Table II-19. Summary of AMNET Results

WMA	Site ID	Station Name	1st Round Assessment	2nd Round Assessment	Overall Assessment	2002 List Assessment	Comments
03	AN0268	Pompton R at Newark Pompton Tnpk in Pequannock Twp	MODERATE	NONE	NONE	Full Attainment	
03	AN0268A	Pompton R @ Pompton Plains Cross Rd in Pequannock Twp				Non Attainment	Discontinued Site, Carry over from 98 List
03	AN0269	Dam Bk Trib to Pompton R at Ryerson Rd in Lincoln Park Boro	MODERATE	MODERATE	MODERATE	Non Attainment	
03	AN0270	Packanack Bk at Osbourne Rd in Wayne Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
04	AN0271	Deepavaal Bk at Ltl Falls Ave in Fairfield Boro	MODERATE	MODERATE	MODERATE	Non Attainment	
04	AN0272	Preakness Bk at Paterson - Hamburg Tnpk in Wayne Twp	MODERATE	NONE	NONE	Full Attainment	
04	AN0273	Preakness Bk at French Hill Rd in Wayne Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
04	AN0273A	Naachtpunkt Bk @ Continental Dr (abv outfall) in Wayne Twp.				Non Attainment	Discontinued Site, Carry over from 98 List
04	AN0273B	Naachtpunkt Bk @ Continental Dr (blw outfall) in Wayne Twp.				Non Attainment	Discontinued Site, Carry over from 98 List
04	AN0274	Passaic R at Riverview Rd in Totowa Boro	MODERATE	NONE	NONE	Full Attainment	
06	AN0274A	Passaic R at Willard St in Montville Twp	NOSAMPLE	MODERATE	MODERATE	Non Attainment	
04	AN0275	Peckman R at McBride Ave in West Paterson Boro	MODERATE	MODERATE	MODERATE	Non Attainment	
04	AN0275A	Peckman R at Bradford Ave in Cedar Grove Twp	NOSAMPLE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
04	AN0276	Molly Ann Bk at Totowa Ave in Paterson City	SEVERE	MODERATE	MODERATE	Non Attainment	
04	AN0277	Goffle Bk at Wagaraw Rd in Hawthorne Boro	MODERATE	MODERATE	MODERATE	Non Attainment	
04	AN0277A	Goffle Bk at Wyckoff Ave in Midland Park Boro	NOSAMPLE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
04	AN0278	Diamond Bk at Hemlock St in Fair Lawn Boro	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
04	AN0279	Saddle R at Old Stone Church Rd in Upper Saddle River Boro	NONE	NONE	NONE	Full Attainment	
04	AN0280	Saddle R W Br at Old Stone Church Rd in Upper Saddle River Boro	NONE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
04	AN0281	Saddle R at E Allendale Ave in Saddle River Boro	NONE	MODERATE	MODERATE	Non Attainment	
04	AN0282	Saddle R at E Ridgewood Ave in Paramus Boro	NONE	NONE	NONE	Full Attainment	
04	AN0283	Hohokus Bk at Old Mill Rd in Franklin Lakes Boro	MODERATE	NONE	NONE	Full Attainment	
04	AN0284	Valentine Bk at Forest Ave in Allendale Boro	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
04	AN0285	Hohokus Bk at Park Ave in Allendale Boro	NONE	MODERATE	MODERATE	Non Attainment	
04	AN0286	Ramsey Bk at Masonicus Rd in Mahwah Twp	SEVERE	SEVERE	SEVERE	Non Attainment	
04	AN0286X	Ramsey Bk at Grenadier Dr W of Cortland Tr in Mahwah Twp	SEVERE	NOSAMPLE	SEVERE	Non Attainment	
04	AN0287	Ramsey Bk at Park Ave in Allendale Boro	NONE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
04	AN0288	Hohokus Bk at Spring St in Ridgewood Village	MODERATE	MODERATE	MODERATE	Non Attainment	
04	AN0289	Saddle R at Dunkerhook Rd in Fair Lawn Boro	MODERATE	MODERATE	MODERATE	Non Attainment	
04	AN0290	Saddle R at Railroad Ave in Rochelle Park Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
04	AN0291	Saddle R at Marcellus Pl in Garfield City	SEVERE	MODERATE	MODERATE	Non Attainment	
04	AN0292	Third R at Kingland Ave in Clifton City	MODERATE	MODERATE	MODERATE	Non Attainment	

Table II-19. Summary of AMNET Results

WMA	Site ID	Station Name	1st Round Assessment	2nd Round Assessment	Overall Assessment	2002 List Assessment	Comments
04	AN0292A	Third R at W Passaic Ave in Bloomfield Town	NOSAMPLE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
04	AN0292O	Passaic R at River Rd (Dundee Dam) in Garfield City	NOSAMPLE	MODERATE	MODERATE	Non Attainment	
04	AN0293	Second R at McCarter Hwy in Belleville Town	NOSAMPLE	MODERATE	MODERATE	Non Attainment	
02	AN0294	Lake Lookout Bk (trib to Wawayanda Ck) at Wawayanda St Pk in Vernon Twp	NONE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
02	AN0295	Wawayanda Bk at Canal Rd in Vernon Twp	NOSAMPLE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
02	AN0296	Black Ck at Marker Rd in Vernon Twp	NOSAMPLE	MODERATE	MODERATE	Non Attainment	
02	AN0297	Wallkill R at Rt 15 (nr municipal bldg) in Sparta Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
02	AN0298	Wallkill R at Kennedy Ave in Ogdensburg Boro	NONE	MODERATE	MODERATE	Non Attainment	
02	AN0299	Wallkill R at Scott Rd in Franklin Boro	NONE	MODERATE	MODERATE	Non Attainment	
02	AN0300	Wallkill R at Rt 94 in Hamburg Boro	NONE	MODERATE	MODERATE	Non Attainment	
02	AN0301	Beaver Run at Cemetery Rd in Wantage Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
02	AN0302	Wallkill R at Rt 565 in Wantage Twp	NONE	MODERATE	MODERATE	Non Attainment	
02	AN0303	Papakating Ck at Rt 619 & Gunn Rd in Frankford Twp	NONE	NONE	NONE	Full Attainment	
02	AN0304	Papakating Ck at Rt 565 in Frankford Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
02	AN0305	Papakating Ck W Br at Rt 519 in Wantage Twp	NONE	NONE	NONE	Full Attainment	
02	AN0306	Papakating Ck W Br at Rt 565 in Wantage Twp	NONE	MODERATE	MODERATE	Non Attainment	
02	AN0307	Papakating Ck at Rt 565 in Wantage Twp	NONE	MODERATE	MODERATE	Non Attainment	
02	AN0308	UNT to Clove Bk at Rose Marrow Ave in Wantage Twp	NONE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
02	AN0309	Clove Bk at Loomis Ave in Sussex Boro	MODERATE	MODERATE	MODERATE	Non Attainment	
02	AN0309A	Clove Bk at Unionville Rd in Wantage Twp	NOSAMPLE	NONE	NONE	Full Attainment	
08	AN0310	S Br Raritan R at Smithtown Rd in Mount Olive Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi, Directly Below Lake
08	AN0311	Drakes Bk at Emans Rd in Roxbury Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
08	AN0312	Drakes Bk at Bartley Long Valley Rd in Washington Twp	NONE	NONE	NONE	Full Attainment	
08	AN0313	Stony Bk at Fairview Ave in Washington Twp	NONE	NONE	NONE	Full Attainment	
08	AN0314	Electric Bk at Fairview Ave in Washington Twp	NONE	NONE	NONE	Full Attainment	
08	AN0315	S Br Raritan R at Rt 517 in Washington Twp	NONE	NONE	NONE	Full Attainment	
08	AN0316	S Br Raritan R at R Rd (dwnstr of Rt 512) in Califon Boro	NONE	NONE	NONE	Full Attainment	
08	AN0317	S Br Raritan R at R Rd (Ken Lockwood Gorge) in Lebanon Twp	NONE	NONE	NONE	Full Attainment	
08	AN0318	Spruce Run at Newport Rd in Lebanon Twp	NONE	NONE	NONE	Full Attainment	
08	AN0319	Spruce Run at Rt 31 in Glen Gardner Boro	NONE	NONE	NONE	Full Attainment	
08	AN0320	Willoughby Bk at Rt 31 in Lebanon Twp	NONE	NONE	NONE	Full Attainment	
08	AN0321	Mulhockaway Ck at Rt 635 in Union Twp	NONE	NONE	NONE	Full Attainment	
08	AN0322	S Br Raritan R at Rt 173 & Rt 513 in Clinton Town	NONE	NONE	NONE	Full Attainment	
08	AN0323	Beaver Bk at Herman Thau Rd in Clinton Twp	NONE	NONE	NONE	Full Attainment	
08	AN0324	Beaver Bk at Lehigh St in Clinton Town	MODERATE	MODERATE	MODERATE	Non Attainment	
08	AN0325	Cakepoulin Ck at L Lansdown Rd in Franklin Twp	NONE	NONE	NONE	Full Attainment	

Table II-19. Summary of AMNET Results

WMA	Site ID	Station Name	1st Round Assessment	2nd Round Assessment	Overall Assessment	2002 List Assessment	Comments
08	AN0325A	Cakepoulin Cr @ L Kingston Rd in Kingston				Non Attainment	Discontinued Site, Carry over from 98 List
08	AN0325B	Cakepoulin Ck at Rt 513 in Franklin Twp	NOSAMPLE	NONE	NONE	Full Attainment	
08	AN0326	S Br Raritan R at Station Rd in Raritan Twp	NONE	MODERATE	MODERATE	Non Attainment	
08	AN0327	Prescott Bk at Station Rd in Readington Twp	NONE	NONE	NONE	Full Attainment	
08	AN0328	Assiscong Ck at R Rd in Raritan Twp	NONE	NONE	NONE	Full Attainment	
08	AN0329	Raritan R S Br at Rt 613 in Raritan Twp	MODERATE	NONE	NONE	Full Attainment	
08	AN0330	First Neshanic R at Rt 31 in Raritan Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
08	AN0331	Second Neshanic R at Rt 31 in Raritan Twp	NONE	MODERATE	MODERATE	Non Attainment	
08	AN0332	Third Neshanic R at Rt 31 in Raritan Twp	NONE	MODERATE	MODERATE	Non Attainment	
08	AN0333	Neshanic R at Reaville - Everitt Rd in Raritan Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
08	AN0334	Back Bk at Wertsville Rd in East Amwell Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
08	AN0335	Back Bk at Rt 609 in East Amwell Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
08	AN0336	Furmans Bk at Welisewitz Rd in East Amwell Twp	MODERATE	NONE	NONE	Full Attainment	
08	AN0337	Neshanic R at Rt 514 in Hillsborough Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
08	AN0338	Raritan R S Br at Elm St in Branchburg Twp	NONE	NONE	NONE	Full Attainment	
08	AN0339	Pleasant Run at Pleasant Run Rd in Readington Twp	MODERATE	NONE	NONE	Full Attainment	
08	AN0340	Pleasant Run at S Br Rd in Branchburg Twp	NONE	MODERATE	MODERATE	Non Attainment	
08	AN0341	Raritan R S Br at Studdiford Dr in Branchburg Twp	MODERATE	NONE	NONE	Full Attainment	
08	AN0342	Holland Bk at Holland Bk Rd in Readington Twp	NONE	NONE	NONE	Full Attainment	
08	AN0343	Holland Bk at S Br Rd in Branchburg Twp	NONE	MODERATE	MODERATE	Non Attainment	
08	AN0344	UNT to India Bk at Calais Rd in Randolph Twp	NONE	NONE	NONE	Full Attainment	
08	AN0344A	India Bk at Calais Rd BR#733 in Randolph Twp	NOSAMPLE	NONE	NONE	Full Attainment	
08	AN0345	India Bk at Mountainside Rd in Mendham Boro	NONE	NONE	NONE	Full Attainment	
08	AN0346	Raritan R N Br at Rt 24 in Mendham Twp	NONE	NONE	NONE	Full Attainment	
08	AN0347	Dawsons Bk at S Rd & Ironia Rd in Mendham Twp	NONE	NONE	NONE	Full Attainment	
08	AN0348	Burnett Bk at Old Mill Rd in Mendham Twp	NONE	NONE	NONE	Full Attainment	
08	AN0349	Peapack Bk at Fox Chase Rd in Chester Twp	NONE	NONE	NONE	Full Attainment	
08	AN0350	Peapack Bk at Old Dutch Rd in Bedminster Twp	NONE	NONE	NONE	Full Attainment	
08	AN0351	Raritan R N Br at Rt 202 in Bedminster Twp	NONE	NONE	NONE	Full Attainment	
08	AN0351A	Raritan R N Br @ Roxitucus Rd in Mendham Twp				Non Attainment	Discontinued Site, Carry over from 98 List
08	AN0352	Mine Bk at Bernardsville Rd in Bernardsville Boro	MODERATE	SEVERE	SEVERE	Non Attainment	
08	AN0353	Mine Bk at Far Hills Rd (Rt 512) in Far Hills Boro	NONE	MODERATE	MODERATE	Non Attainment	
08	AN0354	Middle Bk at Spook Hollow Rd in Bedminster Twp	NONE	NONE	NONE	Full Attainment	
08	AN0355	Middle Bk at R Rd in Bedminster Twp	MODERATE	NONE	NONE	Full Attainment	
08	AN0356	Lamington R at Ironia Rd in Chester Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
08	AN0357	Tanners Bk at Tanners Bk Rd in Chester Twp	MODERATE	NONE	NONE	Full Attainment	
08	AN0358	Lamington R at Rt 24 in Chester Twp	NONE	NONE	NONE	Full Attainment	
08	AN0359	Trout Bk at Hacklebarney Rd in Washington Twp	NONE	NONE	NONE	Full Attainment	

Table II-19. Summary of AMNET Results

WMA	Site ID	Station Name	1st Round Assessment	2nd Round Assessment	Overall Assessment	2002 List Assessment	Comments
08	AN0360	Lamington R at Rt 512 in Tewksbury Twp	NONE	NONE	NONE	Full Attainment	
08	AN0361	UNT to Lamington R at Black R Rd in Bedminster Twp	NONE	NONE	NONE	Full Attainment	
08	AN0362	Cold Bk at Vlietown Rd in Tewksbury Twp	NONE	NONE	NONE	Full Attainment	
08	AN0363	Lamington R at Rt 523 in Tewksbury Twp	NONE	NONE	NONE	Full Attainment	
08	AN0364	Rockaway Ck N Br at Rt 512 in Tewksbury Twp	NONE	NONE	NONE	Full Attainment	
08	AN0365	Rockaway Ck N Br at Rockaway Rd in Tewksbury Twp	NONE	NONE	NONE	Full Attainment	
08	AN0366	Rockaway Ck N Br at Rockaway Rd in Tewksbury Twp	NONE	NONE	NONE	Full Attainment	
08	AN0367	Rockaway Ck S Br at Windy Acres Farm in Clinton Twp	NONE	NONE	NONE	Full Attainment	
08	AN0368	Rockaway Ck S Br at Rt 22 in Readington Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
08	AN0369	Rockaway Ck at Island Rd in Readington Twp	NONE	NONE	NONE	Full Attainment	
08	AN0370	Lamington R at Walsh Rd in Bedminster Twp	NONE	NONE	NONE	Full Attainment	
08	AN0371	Chambers Bk B at Love Rd in Bedminster Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
08	AN0372	Chambers Bk A at Coddington Rd in Readington Twp	NONE	NONE	NONE	Full Attainment	
08	AN0373	Chambers Bk A at Station Rd in Branchburg Twp	NONE	NONE	NONE	Full Attainment	
08	AN0374	Raritan R N Br at Rt 202 in Branchburg Twp	NONE	NONE	NONE	Full Attainment	
09	AN0375	Dukes Bk at Dukes Pkwy in Hillsborough Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
09	AN0376	Peters Bk at Rt 28 in Somerville Boro	MODERATE	MODERATE	MODERATE	Non Attainment	
09	AN0377	Raritan R at abv Millstone R conf in Bridgewater Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
10	AN0378	Millstone R at Baird Rd in Millstone Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
10	AN0379	Millstone R at Rt 33 in Millstone Twp	NONE	MODERATE	MODERATE	Non Attainment	
10	AN0380	Rocky Bk at Perrineville Rd in Millstone Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi, Directly Below Lake
10	AN0381	Rocky Bk at Rt 33 in Hightstown Boro	MODERATE	SEVERE	SEVERE	Non Attainment	
10	AN0382	Millstone R at Grovers Mills Rd in Plainsboro Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
10	AN0382B	Millstone R at Rt 535 in East Windsor Twp	NOSAMPLE	MODERATE	MODERATE	Non Attainment	
10	AN0382D	Millstone R at Applegarth Rd in Monroe Twp	NOSAMPLE	MODERATE	MODERATE	Non Attainment	
10	AN0383	Big Bear Bk at Old Trenton Rd (Rt 535) in West Windsor Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
10	AN0384	Bear Bk at Stobbe Ln in West Windsor Twp	MODERATE	NONE	NONE	Full Attainment	
10	AN0385	Cranbury Bk at Applegarth Rd in Monroe Twp	MODERATE	SEVERE	SEVERE	Non Attainment	
10	AN0386	Cranbury Bk at Edgemere Ave in Plainsboro Twp	MODERATE	NOSAMPLE	MODERATE	Non Attainment	
10	AN0387	Devils Bk at New Rd in South Brunswick Twp	MODERATE	SEVERE	SEVERE	Non Attainment	
10	AN0388	Shallow Bk at N of Scotts Cor in Plainsboro Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
10	AN0389	Devils Bk at Schalk's Rd in Plainsboro Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
10	AN0390	Camp Harmony Br of Stony Bk at Van Dyke Rd in Hopewell Twp	NONE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
10	AN0391	Stony Bk at Mine Rd in Hopewell Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
10	AN0391A	Stony Bk @ Linvale Rd in Amwell Twp				Non Attainment	Discontinued Site, Carry over from 98 List

Table II-19. Summary of AMNET Results

WMA	Site ID	Station Name	1st Round Assessment	2nd Round Assessment	Overall Assessment	2002 List Assessment	Comments
10	AN0392	Stony Bk at Old Mill Rd in Hopewell Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
10	AN0392A	Stony Bk @ Pennington-Rocky Hill Rd in Hopewell Twp				Non Attainment	Discontinued Site, Carry over from 98 List
10	AN0393	Stony Bk at Rt 206 in Princeton Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
10	AN0393A	Stony Bk @ Province Line Rd. in Princeton Twp.				Non Attainment	Discontinued Site, Carry over from 98 List
10	AN0393B	Stony Bk @ Carter Rd. in Lawrence Twp.				Non Attainment	Discontinued Site, Carry over from 98 List
10	AN0394	Duck Pond Run at Rt 1 in West Windsor Twp	SEVERE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
10	AN0395	Heathcote Bk at Stouts Ln in South Brunswick Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
10	AN0396	Heathcote Bk at Academy St in South Brunswick Twp	SEVERE	NONE	NONE	Full Attainment	
10	AN0397	Millstone R at off Rt 27 in Princeton Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Directly Below Lake
10	AN0398	Bedens Bk at Aunt Molly Rd (abv STP) in Hopewell Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
10	AN0399	Rock Bk at Long Hill Rd in Montgomery Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
10	AN0400	Rock Bk at Burnt Hill Rd in Montgomery Twp	MODERATE	NOSAMPLE	MODERATE	Non Attainment	
10	AN0401	Bedens Bk at Rt 206 in Montgomery Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
10	AN0401B	Beden Bk @ Great Rd in Blawenburg				Non Attainment	Discontinued Site, Carry over from 98 List
10	AN0402	Pike Run at Rt 206 in Hillsborough Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
10	AN0403	Cruser Bk at Rt 206 in Montgomery Twp	NONE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
10	AN0404	Back Bk at Rt 206 in Montgomery Twp	NONE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
10	AN0405	Pike Run at Rt 533 in Montgomery Twp	MODERATE	SEVERE	SEVERE	Non Attainment	
10	AN0406	Simonson Bk at Canal Rd in Franklin Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
10	AN0407	Ten Mile Run at Canal Rd in Franklin Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
10	AN0408	Six Mile Run at Rt 27 in Franklin Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
10	AN0409	Six Mile Run at Canal Rd in Franklin Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
10	AN0410	Millstone R at Blackwells Mills Rd in Hillsborough Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
10	AN0411	Royce Bk at Rt 206 in Hillsborough Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
10	AN0412	Royce Bk Br at Rt 206 in Hillsborough Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
10	AN0413	Royce Bk at Rt 533 in Manville Boro	MODERATE	SEVERE	SEVERE	Non Attainment	
10	AN0414	Millstone R at abv Raritan R conf in Franklin Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
09	AN0415	Cuckels Bk at Rt 28 in Bridgewater Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
09	AN0416	Middle Bk W Br at Crim Rd in Bridgewater Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
09	AN0417	Middle Bk W Br at Chimney Rock Rd in Bridgewater Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Directly Below Lake
09	AN0418	Middle Bk E Br at Green Valley Rd in Warren Twp	SEVERE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
09	AN0419	Middle Bk E Br at Gilbride Rd in Bridgewater Twp	NONE	NONE	NONE	Full Attainment	
09	AN0420	Middle Bk at Talmage Ave in Bridgewater Twp	NONE	NONE	NONE	Full Attainment	
09	AN0421	Green Bk at Raymond Ave in Plainfield City	SEVERE	MODERATE	MODERATE	Non Attainment	

Table II-19. Summary of AMNET Results

WMA	Site ID	Station Name	1st Round Assessment	2nd Round Assessment	Overall Assessment	2002 List Assessment	Comments
09	AN0421A	Green Bk @ New Providence Rd. in Seeleys Mill				Non Attainment	Discontinued Site, Carry over from 98 List
09	AN0421B	Green Bk @ Apple Tree Rd in Watchung Twp.				Non Attainment	Discontinued Site, Carry over from 98 List
09	AN0422	Stony Bk at Westend Ave in North Plainfield Boro	MODERATE	MODERATE	MODERATE	Non Attainment	
09	AN0422A	Stony Brook @ Sunlit Dr. in Watchung Boro.				Non Attainment	Discontinued Site, Carry over from 98 List
09	AN0423	Green Bk at Clinton Ave in North Plainfield Boro	MODERATE	MODERATE	MODERATE	Non Attainment	
09	AN0424	Bound Bk at Bound Bk Rd in Middlesex Boro	MODERATE	MODERATE	MODERATE	Non Attainment	
09	AN0424A	Cedar Br Cedarbrook Ave. in So. Plainfield				Non Attainment	Discontinued Site, Carry over from 98 List
09	AN0424B	Bound Bk at Woodbrook Rd in South Plainfield Boro	NOSAMPLE	SEVERE	SEVERE	Non Attainment	
09	AN0425	Ambrose Bk at Raritan Ave in Middlesex Boro	MODERATE	MODERATE	MODERATE	Non Attainment	
09	AN0425A	Ambrose Bk at Behmer Rd in Piscataway Twp	NOSAMPLE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
09	AN0425B	Ambrose Bk @ School St, No. Stelton				Non Attainment	Discontinued Site, Carry over from 98 List
09	AN0426	Green Bk at Main St in Bound Brook Boro	MODERATE	MODERATE	MODERATE	Non Attainment	
09	AN0426A	Green Bk @ off Mill Rd. in Sebrings Mill				Non Attainment	Discontinued Site, Carry over from 98 List
09	AN0427	Raritan R trib at Rt 527 in Franklin Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
09	AN0428	Raritan R at Fieldville Dam (1287) in Piscataway Twp	MODERATE	NONE	NONE	Full Attainment	
09	AN0429	Mile Run at Rt 527 in Franklin Twp	MODERATE	SEVERE	SEVERE	Non Attainment	
09	AN0430	Lawrence Bk at Ridge Rd in South Brunswick Twp	MODERATE	SEVERE	SEVERE	Non Attainment	
09	AN0431	Lawrence Bk at Davidsons Mill Rd in South Brunswick Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
09	AN0432	Oakeys Bk at Davidsons Mill Rd in North Brunswick Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
09	AN0433	Ireland Bk at Riva Rd in South Brunswick Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
09	AN0434	Lawrence Bk at Riva Rd in Milltown Boro	MODERATE	MODERATE	MODERATE	Non Attainment	
09	AN0435	Sawmill Bk at Ryders Ln in East Brunswick Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
09	AN0436	Mill Bk at Woodbridge Ave in Edison Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
09	AN0437	Manalapan Bk at Rt 524 in Millstone Twp	NONE	NONE	NONE	Full Attainment	
09	AN0438	Manalapan Bk at Rt 33 in Manalapan Twp	MODERATE	NONE	NONE	Full Attainment	
09	AN0439	Manalapan Bk at Federal Rd in Monroe Twp	SEVERE	MODERATE	MODERATE	Non Attainment	
09	AN0440	Manalapan Bk at Old Forge Rd in Monroe Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
09	AN0441	Weamaconk Ck at Rt 9 in Freehold Twp	SEVERE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
09	AN0442	Wemrock Bk at Wemrock Rd in Freehold Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
09	AN0443	Weamaconk Ck at Rt 522 in Englishtown Boro	MODERATE	MODERATE	MODERATE	Non Attainment	
09	AN0444	McGellairds Bk at Rt 9 in Freehold Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
09	AN0445	Tepehemus Bk at Tennent Rd in Manalapan Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
09	AN0446	Milford Bk at Pease Rd in Manalapan Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi

Table II-19. Summary of AMNET Results

WMA	Site ID	Station Name	1st Round Assessment	2nd Round Assessment	Overall Assessment	2002 List Assessment	Comments
09	AN0447	McGellairs Bk at Rt 527 in Englishtown Boro	SEVERE	SEVERE	SEVERE	Non Attainment	
09	AN0448	Matchaponix Bk at Rt 527 in Manalapan Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
09	AN0449	Pine Bk at Pension Rd in Manalapan Twp	MODERATE	SEVERE	SEVERE	Non Attainment	
09	AN0450	Barclay Bk at Rt 527 in Old Bridge Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
09	AN0451	Matchaponix Bk at Texas Rd in Monroe Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
09	AN0452	Iresick Bk at Rt 527 in Old Bridge Twp	SEVERE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
09	AN0453	Deep Run at Rt 9 in Old Bridge Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
09	AN0454	Deep Run at Rt 516 in Old Bridge Twp	NOSAMPLE	SEVERE	SEVERE	Non Attainment	
09	AN0455	Tennent Bk at Old Bridge-South Amboy Rd in Old Bridge Twp	NOSAMPLE	MODERATE	MODERATE	Non Attainment	
12	AN0456	UNT to Matawan Ck at Morganville Rd in Old Bridge Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
12	AN0457	Gravelly Bk at Church St in Aberdeen Twp	SEVERE	SEVERE	SEVERE	Non Attainment	
12	AN0458	Wilkson Ck at Church St in Aberdeen Twp	SEVERE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
12	AN0459	Flat Ck at Middle Rd in Hazlet Twp	SEVERE	SEVERE	SEVERE	Non Attainment	
12	AN0460	Mahoras Bk at Rt 35 in Holmdel Twp	SEVERE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
12	AN0461	Town Bk at Spruce Rd in Middletown Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
12	AN0462	McClees Ck at Whippoorwill Rd in Middletown Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
12	AN0463	Poricy Bk at Navesink R Rd in Middletown Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi, Directly Below Lake, At HOT,
12	AN0464	Nut Swamp Bk at Normandy Rd in Middletown Twp	SEVERE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
12	AN0465	Hop Bk at Roberts Rd in Holmdel Twp	MODERATE	SEVERE	SEVERE	Non Attainment	
12	AN0466	Hop Bk at Willow Bk Rd in Holmdel Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
12	AN0467	Willow Bk at Schank Rd in Holmdel Twp	MODERATE	SEVERE	SEVERE	Non Attainment	
12	AN0468	Willow Bk at Willow Bk Rd in Colts Neck Twp	SEVERE	MODERATE	MODERATE	Non Attainment	
12	AN0468A	Willow Bk trib @ Igoe Rd in Marlboro				Non Attainment	Discontinued Site, Carry over from 98 List
12	AN0469	Big Bk at Rt 79 in Marlboro Twp	SEVERE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
12	AN0470	Big Bk at Cross Rd in Colts Neck Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
12	AN0471	Yellow Bk at Rt 537 in Colts Neck Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
12	AN0472	Yellow Bk at Creamery Rd in Colts Neck Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
12	AN0473	Mine Bk at Creamery Rd in Colts Neck Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
12	AN0474	Swimming R at Swimming R Rd in Colts Neck Twp	MODERATE	SEVERE	SEVERE	not assessed, tidal	Tidal, Directly Below Lake
12	AN0475	Hockhockson Bk at Hockhockson Rd in Colts Neck Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
12	AN0476	Pine Bk at Tinton Ave (Rt 537) in Tinton Falls Boro	MODERATE	MODERATE	MODERATE	Non Attainment	
12	AN0476A	Pine Bk @ Squankum Rd in Macedonia				Non Attainment	Discontinued Site, Carry over from 98 List
12	AN0477	Whale Pond Bk at Larchwood Ave in Ocean Twp	MODERATE	SEVERE	SEVERE	Non Attainment	
12	AN0478	Poplar Bk at Almyr Ave in Deal Boro	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
12	AN0479	Jumping Bk at Essex Rd in Tinton Falls Boro	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi

Table II-19. Summary of AMNET Results

WMA	Site ID	Station Name	1st Round Assessment	2nd Round Assessment	Overall Assessment	2002 List Assessment	Comments
12	AN0480	Jumping Bk at Corlies Ave in Neptune Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
12	AN0481	Shark R at Shark R Sta Rd in Wall Twp	SEVERE	SEVERE	SEVERE	Non Attainment	
12	AN0482	Shark R at Remsens Mills Rd in Neptune Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
12	AN0483	Wreck Pd Bk at Old Mill Rd in Wall Twp	MODERATE	SEVERE	SEVERE	Non Attainment	
12	AN0484	Hannabrand Bk at Old Mill Rd in Wall Twp	NONE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
12	AN0485	Manasquan R at off Turkey Swamp Rd in Freehold Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
12	AN0486	Debois Ck at Rt 33 in Freehold Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
12	AN0487	Debois Ck at Strickland Rd in Freehold Twp	SEVERE	SEVERE	SEVERE	Non Attainment	
12	AN0488	UNT to Manasquan R (Killtime Bk) at Strickland Rd in Howell Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
12	AN0489	Manasquan R at Rt 9 in Howell Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
14	AN0489A	Turkey Swamp Bk @ blw Turkey Swamp Lk in Freehold Twp				Non Attainment	Discontinued Site, Carry over from 98 List
12	AN0490	Manasquan R at W Farms Rd in Howell Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
12	AN0491	Marsh Bog Bk at Cranberry Bog Rd in Howell Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
12	AN0492	Marsh Bog Bk at Yellow Bk Rd in Howell Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
12	AN0493	Manasquan R at Rt 547 in Howell Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
12	AN0494	Mingamahone Bk at Cranberry Bog Rd in Howell Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
12	AN0495	Mingamahone Bk at Rt 524 in Howell Twp	NONE	MODERATE	MODERATE	Non Attainment	
12	AN0496	Stan Bk at Easy St in Howell Twp	NONE	NONE	NONE	Full Attainment	
12	AN0497	Squankum Bk at Spur 549 in Howell Twp	NONE	NONE	NONE	Full Attainment	
12	AN0498	Manasquan R at Hospital Rd in Wall Twp	MODERATE	NONE	NONE	Full Attainment	
13	AN0499	Metedeconk R N Br at Rt 527 in Freehold Twp	NONE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
13	AN0500	Metedeconk R N Br at Jackson Mills Rd in Freehold Twp	NONE	MODERATE	MODERATE	Non Attainment	
13	AN0501	Metedeconk R N Br at Aldrich Rd in Jackson Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
13	AN0502	Metedeconk R N Br at Rt 9 in Howell Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
13	AN0503	Haystack Bk at Southard Rd in Howell Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
13	AN0504	Haystack Bk at Rt 547 in Howell Twp	NONE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
13	AN0505	Haystack Bk (Muddy Ford Bk) at Greenville Rd in Howell Twp	NONE	NONE	NONE	Full Attainment	
13	AN0506	Metedeconk R N Br at Rt 88 in Brick Twp	MODERATE	NONE	NONE	Full Attainment	
13	AN0507	School House Br (Cabinfield Br) at Lanes Mill Rd in Lakewood Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
13	AN0508	Metedeconk R S Br at Leesville-Siloam Rd in Jackson Twp	NONE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
13	AN0509	Metedeconk R S Br at Jackson Mills Rd in Jackson Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Directly Below Lake
13	AN0510	Metedeconk R S Br at Bennetts Mill Rd in Jackson Twp	SEVERE	MODERATE	MODERATE	Insufficient Data	Directly Below Lake

Table II-19. Summary of AMNET Results

WMA	Site ID	Station Name	1st Round Assessment	2nd Round Assessment	Overall Assessment	2002 List Assessment	Comments
13	AN0510A	S Br Metedeconk R at Cooks Bridge Rd in Jackson Twp	NOSAMPLE	NONE	NONE	Full Attainment	
13	AN0511	Metedeconk R S Br at Cedar Bridge Rd in Lakewood Twp	MODERATE	NONE	NONE	Full Attainment	
13	AN0512	Metedeconk R S Br at Chambers Bridge Rd in Brick Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
13	AN0513	Beaverdam Ck at Rt 88 in Brick Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
13	AN0514	Cedar Bridge Br at Moore Rd in Brick Twp	SEVERE	SEVERE	SEVERE	Non Attainment	
13	AN0515	Kettle Ck at New Hampshire Ave in Lakewood Twp	NONE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
13	AN0516	Kettle Ck at Moore Rd in Brick Twp	MODERATE	SEVERE	SEVERE	Non Attainment	
13	AN0517	Toms R at Paint Island Rd in Millstone Twp	NONE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
13	AN0518	Toms R at Rt 571 in Millstone Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
13	AN0519	Toms R at Rt 528 in Jackson Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
13	AN0519A	Toms R at Anderson Rd in Jackson Twp	NOSAMPLE	MODERATE	MODERATE	Non Attainment	
13	AN0520	Toms R trib at Rt 528 in Jackson Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
13	AN0521	Maple Root Br at Bowman Rd in Jackson Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
13	AN0522	Dove Mill Br at Grawtown Rd in Jackson Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
13	AN0523	Toms R at S Hope Chapel Rd (Rt 547) in Jackson Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
13	AN0524	Toms R at Rt 571 in Dover Twp	NONE	NONE	NONE	Full Attainment	
13	AN0525	Bordens Mill Br at Colliers Mills WMA in Jackson Twp	SEVERE	NOSAMPLE	SEVERE	Insufficient Data	Pinelands
13	AN0525A	UNT to Ridgeway Br at Colliers Mill WMA (outlet of Turn Mill in Jackson Twp	NOSAMPLE	MODERATE	MODERATE	Insufficient Data	Pinelands, Directly Below Lake
13	AN0526	Shannae Bk at Colliers Mills WMA in Jackson Twp	NONE	MODERATE	MODERATE	Insufficient Data	Pinelands, Directly Below Lake
13	AN0527	Ridgeway Br at Rt 571 in Jackson Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
13	AN0528	Ridgeway Br at Rt 70 in Manchester Twp	NONE	MODERATE	MODERATE	Non Attainment	
13	AN0529	Blacks Br at Naval Air Sta boundary in Manchester Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
13	AN0530	Blacks Br at Rt 70 in Lakehurst Boro	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
13	AN0531	Old Hurricane Br at Beckerville Rd in Manchester Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
13	AN0532	Manapagua Bk at Rt 70 in Manchester Twp	SEVERE	SEVERE	SEVERE	Insufficient Data	Pinelands
13	AN0533	Union Br at Colonial Dr in Manchester Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
13	AN0534	Union Br at Beacon Ave in Manchester Twp	NONE	NONE	NONE	Full Attainment	
13	AN0535	Toms R at Oakridge Pkwy in Dover Twp	NONE	NONE	NONE	Full Attainment	
13	AN0536	Wrangel Bk at Congasia Rd in Manchester Twp	NONE	NONE	NONE	Full Attainment	
13	AN0537	Wrangel Bk at Mule Rd in Berkeley Twp	NONE	MODERATE	MODERATE	Non Attainment	
13	AN0538	Sunken Br at Mule Rd in Berkeley Twp	MODERATE	NONE	NONE	Full Attainment	
13	AN0539	Wrangel Bk at S Hampton Rd in Berkeley Twp	NONE	NONE	NONE	Full Attainment	
13	AN0540	Davenport Br at Lacey Rd in Lacey Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
13	AN0541	Davenport Br at Mule Rd in Berkeley Twp	NONE	NONE	NONE	Full Attainment	
13	AN0542	Jakes Br at Dover Rd in Berkeley Twp	MODERATE	SEVERE	SEVERE	Insufficient Data	Pinelands

Table II-19. Summary of AMNET Results

WMA	Site ID	Station Name	1st Round Assessment	2nd Round Assessment	Overall Assessment	2002 List Assessment	Comments
13	AN0543	Jakes Br at Double Trouble Rd in South Toms River Boro	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
13	AN0544	Toms R trib at Rt 37 in Dover Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
13	AN0545	Webbs Mill Br at Rt 539 in Lacey Twp	NONE	MODERATE	MODERATE	Insufficient Data	Pinelands
13	AN0546	Cedar Ck at Whiting Lacey Rd in Lacey Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
13	AN0547	Factory Br at Whiting Lacey Rd in Lacey Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
13	AN0548	Cedar Ck at Double Trouble St Pk in Berkeley Twp	MODERATE	NONE	NONE	Insufficient Data	Pinelands
13	AN0549	Cedar Ck at Rt 9 in Lacey Twp	NONE	NONE	NONE	Full Attainment	
13	AN0550	Long Br at Lacey - Ocean Twp boundary in Lacey Twp	NONE	MODERATE	MODERATE	Insufficient Data	Pinelands
13	AN0551	Forked R N Br at @ powerlines in Lacey Twp	MODERATE	NONE	NONE	Insufficient Data	Pinelands
13	AN0552	Oyster Ck at Rt 532 in Ocean Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
13	AN0553	Waretown Ck at Rt 9 in Ocean Twp	NONE	NONE	NONE	Not Assessed, Tidal	Tidal, Watershed < 6 sq mi
13	AN0554	Four Mile Br at Oxycocus St in Stafford Twp	NONE	NONE	NONE	Full Attainment	
13	AN0555	Mill Ck at Rt 72 in Stafford Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
13	AN0555A	Mill Ck at of Hay Rd in Stafford Twp	NOSAMPLE	NONE	NONE	Insufficient Data	Pinelands
13	AN0556	Cedar Run at Rt 9 in Stafford Twp	NONE	MODERATE	MODERATE	Non Attainment	
13	AN0557	Westecunk Ck at Forge Rd in Eagleswood Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
13	AN0557A	Westecunk Ck at Polypod Rd in Little Egg Harbor Twp	NOSAMPLE	NONE	NONE	Insufficient Data	Pinelands
13	AN0558	Westecunk Ck at RR Ave in Eagleswood Twp	NONE	NONE	NONE	Full Attainment	
13	AN0559	Mill Br of Tuckerton Ck at Nugentown Rd in Tuckerton Boro	MODERATE	NONE	NONE	Full Attainment	
13	AN0559A	Tuckerton Ck at Poor Mans Pkwy in Little Egg Harbor Twp	NOSAMPLE	NONE	NONE	Insufficient Data	Pinelands
14	AN0560	Mullica R at Jackson - Medford Rd in Medford Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
14	AN0561	Mullica R at Jackson Rd in Shamong Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
14	AN0562	Mullica R at Burnt House Rd in Waterford Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
14	AN0563	Wesickaman Ck at Atsion-Quakerbridge Rd in Shamong Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
14	AN0564	Mullica R at Constable Bridge in Washington Twp	MODERATE	NONE	NONE	Insufficient Data	Pinelands
14	AN0565	Hays Mill Ck at Tremont Ave in Waterford Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
14	AN0566	Sleeper Br at Parkdale in Waterford Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
14	AN0567	Clarks Br at Burnt Mill Rd in Waterford Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
14	AN0568	Prices Br at Burnt Mill Rd in Waterford Twp	MODERATE	SEVERE	SEVERE	Insufficient Data	Pinelands
14	AN0568G	Gun Br @ Rt 206 in Hammonton				Non Attainment	Discontinued Site, Carry over from 98 List
14	AN0569	Pump Br at Old White Horse Pike in Winslow Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
14	AN0570	Blue Anchor Bk at Rt 30 in Winslow Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
14	AN0571	Albertson Bk at Wharton Ave in Waterford Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
14	AN0572	Albertson Bk at Old Bridge Crossing in Hammonton Town	NONE	NONE	NONE	Insufficient Data	Pinelands

Table II-19. Summary of AMNET Results

WMA	Site ID	Station Name	1st Round Assessment	2nd Round Assessment	Overall Assessment	2002 List Assessment	Comments
14	AN0573	Gr Swamp Br at Rt 30 in Winslow Twp	SEVERE	MODERATE	MODERATE	Insufficient Data	Pinelands
14	AN0574	Gr Swamp Br at Rt 206 in Hammonton Town	NONE	NONE	NONE	Insufficient Data	Pinelands
14	AN0575	Cedar Bk at Myrtle Ave in Hammonton Town	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
14	AN0576	Nescochague Ck at Pleasant Mills in Mullica Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
14	AN0577	Hammonton Ck at Boyer Rd (blw STP) in Hammonton Town	SEVERE	MODERATE	MODERATE	Insufficient Data	Pinelands
14	AN0577A	Hammonton Cr. @ Rt 542 in Hammonton				Non Attainment	Discontinued Site, Carry over from 98 List
14	AN0578	Hammonton Ck at Columbia Rd in Mullica Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
14	AN0579	Batsto R at Carranza Rd in Shamong Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
14	AN0580	Roberts Br at Carranza Rd in Shamong Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
14	AN0581	Skit Br at Carranza Rd in Shamong Twp	MODERATE	NONE	NONE	Insufficient Data	Pinelands
14	AN0582	Indian Mills Bk at Willow Grove Rd in Shamong Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
14	AN0583	Muskingum Bk at Tabernacle Rd in Shamong Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands, Directly Below Lake
14	AN0584	Springers Bk at Rt 206 in Shamong Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
14	AN0585	Springers Bk at Hampton Rd in Shamong Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
14	AN0586	Batsto R at Quaker Bridge in Washington Twp	MODERATE	NONE	NONE	Insufficient Data	Pinelands
14	AN0586A	Batsto R at Hampton in Shamong Twp	NOSAMPLE	NONE	NONE	Insufficient Data	Pinelands
14	AN0587	Penn Swamp Br at Quaker Bridge - Batsto Rd in Washington Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
14	AN0588	Batsto R at Rt 542 in Washington Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
14	AN0589	Lucas Br at Pleasant Mills - Weekstown Rd in Mullica Twp	NONE	MODERATE	MODERATE	Insufficient Data	Pinelands
14	AN0590	Landing Ck at Rt 30 in Mullica Twp	SEVERE	SEVERE	SEVERE	Insufficient Data	Pinelands
14	AN0591	Elliot's Ck at Bremen Ave in Galloway Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
14	AN0592	Landing Ck at Indian Cabin Rd in Egg Harbor City	NONE	MODERATE	MODERATE	Insufficient Data	Pinelands
14	AN0593	Indian Cabin Ck at Fifth Ave in Mullica Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
14	AN0594	Indian Cabin Ck at EHC Lk outlet in Egg Harbor City	NONE	MODERATE	MODERATE	Insufficient Data	Pinelands, Directly Below Lake
14	AN0595	Wading R W Br at Rt 532 in Woodland Twp	SEVERE	MODERATE	MODERATE	Insufficient Data	Pinelands, Directly Below Lake
14	AN0596	Wading R W Br at Rt 563 in Woodland Twp	MODERATE	NONE	NONE	Insufficient Data	Pinelands
14	AN0597	Shoal Br at Jones Mill Rd in Woodland Twp	MODERATE	NONE	NONE	Insufficient Data	Pinelands
14	AN0597A	Shoal Br at off Rt. 532 in Woodland Twp	NOSAMPLE	MODERATE	MODERATE	Insufficient Data	Pinelands
14	AN0598	Mile Run at Hawkins - Speedwell Rd in Washington Twp	MODERATE	SEVERE	SEVERE	Insufficient Data	Pinelands
14	AN0599	Tulpehocken Ck at Carranza Rd in Tabernacle Twp	MODERATE	SEVERE	SEVERE	Insufficient Data	Pinelands
14	AN0600	Tulpehocken Ck at Maxwell - Friendship Rd in Washington Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
14	AN0601	Little Hauken Run at Rt 563 in Washington Twp	SEVERE	MODERATE	MODERATE	Insufficient Data	Pinelands
14	AN0602	Wading R W Br at Rt 563 in Washington Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
14	AN0603	Oswego R at Rt 539 in Barnegat Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
14	AN0604	Plains Br at Jenkins Rd in Bass River Twp	NONE	NONE	NONE	Insufficient Data	Pinelands

Table II-19. Summary of AMNET Results

WMA	Site ID	Station Name	1st Round Assessment	2nd Round Assessment	Overall Assessment	2002 List Assessment	Comments
14	AN0605	Papoose Br at Jenkins Rd in Bass River Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
14	AN0606	Oswego R at Andrews Rd in Bass River Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands, Directly Below Lake
14	AN0607	Oswego R (E Br Wading River) at Spur 563 in Bass River Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
14	AN0608	Arnold Br at Spur 563 in Bass River Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
14	AN0609	Tub Mill Br at Spur 563 in Bass River Twp	MODERATE	SEVERE	SEVERE	Insufficient Data	Pinelands
14	AN0610	Bass R W Br at Stage Rd in Bass River Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
14	AN0611	Dans Bridge Br at Dan Bridge Rd in Bass River Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
14	AN0612	Bass R E Br at Stage Rd in Bass River Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
14	AN0613	Clarks Mill Stream at Rt 575 in Port Republic City	NONE	MODERATE	MODERATE	Non Attainment	
14	AN0614	Morses Mill Stream at Riverside Dr in Port Republic City	NONE	NONE	NONE	Full Attainment	
14	AN0615	Mattix Run (Frenches Ditch) at Moss Mill Rd in Galloway Twp	SEVERE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
15	AN0616	Absecon Ck N Br at Garden St Pkwy in Egg Harbor Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands, Watershed < 6 sq mi.
15	AN0617	Absecon Ck S Br at FAA Facility in Egg Harbor Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
15	AN0618	Patcong Ck at Spruce Ave in Egg Harbor Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
15	AN0619	Maple Run (Asbury Run) at Mill Rd in Egg Harbor Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
15	AN0620	Gr Egg Harbor R at Watsontown-New Freedom Rd in Berlin Boro	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
15	AN0620A	Gt. Egg Harbor R. @ Camden Co. Park in Berlin				Non Attainment	Discontinued Site, Carry over from 98 List
15	AN0621	Gr Egg Harbor R at Williamstown - New Freedom Rd in Winslow Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
15	AN0622	Four Mile Br at Malaga Rd (Rt 536) in Monroe Twp	MODERATE	NONE	NONE	Insufficient Data	Pinelands
15	AN0623	Gr Egg Harbor R at Williamstown - Winslow Rd in Monroe Twp	NONE	MODERATE	MODERATE	Insufficient Data	Pinelands
15	AN0624	Squankum Br at Malaga Rd in Monroe Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
15	AN0625	Gr Egg Harbor R at Rt 54 in Folsom Boro	NONE	MODERATE	MODERATE	Insufficient Data	Pinelands
15	AN0626	Penny Pot Stream at Eighth St in Folsom Boro	NONE	NONE	NONE	Insufficient Data	Pinelands
15	AN0627	Hospitality Br at Blue Bell Rd in Monroe Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
15	AN0628	Hospitality Br at Rt 538 in Monroe Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
15	AN0629	Faraway Br at Jackson Rd in Monroe Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
15	AN0630	White Oak Br at Jackson Rd in Monroe Twp	MODERATE	SEVERE	SEVERE	Insufficient Data	Pinelands
15	AN0631	Marsh Lake Br (Collings Br) at Unexpected Rd in Buena Vista Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
15	AN0632	Marsh Lake Br (Collings Br) at Blue Anchor Rd in Buena Vista Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
15	AN0633	Hospitality Br at Rt 54 in Folsom Boro	NONE	NONE	NONE	Insufficient Data	Pinelands
15	AN0634	Three Pond Bk at Rt 54 in Buena Vista Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands

Table II-19. Summary of AMNET Results

WMA	Site ID	Station Name	1st Round Assessment	2nd Round Assessment	Overall Assessment	2002 List Assessment	Comments
15	AN0635	Gr Egg Harbor R at Rt 559 in Hamilton Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
15	AN0635H	Gr Egg Harbor R trib @ 2nd Ave in Hammonton				Non Attainment	Discontinued Site, Carry over from 98 List
15	AN0636	UNT to Deep Run at Rt 54 in Buena Boro	SEVERE	MODERATE	MODERATE	Insufficient Data	Pinelands
15	AN0637	Deep Run at Rt 559 in Hamilton Twp	MODERATE	NONE	NONE	Insufficient Data	Pinelands
15	AN0638	Mare Run at Rt 559 in Hamilton Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
15	AN0639	Watering Race at Rt 50 in Hamilton Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
15	AN0640	Babcock Ck at Rt 322 in Hamilton Twp	MODERATE	NONE	NONE	Insufficient Data	Pinelands
15	AN0640A	Babcock Ck at Holly St. in Hamilton Twp	NOSAMPLE	MODERATE	MODERATE	Insufficient Data	Pinelands
15	AN0640B	Jack Pudding Br at Cologne Ave. in Hamilton Twp	NOSAMPLE	MODERATE	MODERATE	Insufficient Data	Pinelands
15	AN0641	Gravelly Run at Rt 559 in Hamilton Twp	MODERATE	NONE	NONE	Insufficient Data	Pinelands,
15	AN0642	Miry Run at Thelma Ave in Egg Harbor Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
15	AN0643	South R at Estelle Ave in Hamilton Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
15	AN0644	South R at Forty Wire Rd in Hamilton Twp	NONE	NONE	NONE	Insufficient Data	Pinelands
15	AN0645	Stephens Ck at Eleventh Ave in Estell Manor City	NONE	MODERATE	MODERATE	Insufficient Data	Pinelands
15	AN0646	Stephens Ck at Rt 50 in Estell Manor City	SEVERE	MODERATE	MODERATE	Insufficient Data	Pinelands, Directly Below Lake
15	AN0647	Gibson Ck at Rt 50 in Estell Manor City	NONE	NONE	NONE	Insufficient Data	Pinelands
15	AN0648	Tuckahoe R at Cumberland Ave in Estell Manor City	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
15	AN0649	Tuckahoe R at Rt 49 in Maurice River Twp	NONE	MODERATE	MODERATE	Insufficient Data	Pinelands
15	AN0650	Tuckahoe R at Rt 49 in Estell Manor City	NONE	MODERATE	MODERATE	Insufficient Data	Pinelands,
15	AN0651	McNeals Br at Rt 666 in Estell Manor City	NONE	NONE	NONE	Insufficient Data	Pinelands
15	AN0652	Mill Ck at Rt 557 in Upper Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
18	AN0653	Newton Ck at Rt 168 in Haddon Twp (South)	SEVERE	MODERATE	MODERATE	Not Assessed, Tidal	Tidal, Directly Below Lake,
18	AN0654	Newton Ck S Br at Rt 168 in Mount Ephraim Boro	SEVERE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
18	AN0655	Stone Bridge Br trib at Waddell Farm in Gloucester Twp	SEVERE	NOSAMPLE	SEVERE	Non Attainment	
18	AN0655A	Stone Bridge Br @ abv Waddell's Bridge in Gloucester Twp				Non Attainment	Discontinued Site, Carry over from 98 List
18	AN0655B	Stone Bridge Br @ blw Waddell's Bridge in Gloucester Twp				Non Attainment	Discontinued Site, Carry over from 98 List
18	AN0656	UNT S Br Big Timbe at Ganttown Rd in Washington Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
18	AN0657	Turners Run at Last Bridge Crossing in Washington Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
18	AN0658	Bg Timber Ck S Br at Turnersville - Sicklerville Rd in Washington Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
18	AN0658A	Toms Dam Br @ Peter Cheeseman Rd in Gloucester Twp				Non Attainment	Discontinued Site, Carry over from 98 List
18	AN0659	Bg Timber Ck S Br at Almonesson Rd in Deptford Twp	MODERATE	MODERATE	MODERATE	Not Assessed, Tidal	Tidal

Table II-19. Summary of AMNET Results

WMA	Site ID	Station Name	1st Round Assessment	2nd Round Assessment	Overall Assessment	2002 List Assessment	Comments
18	AN0660	Pines Run at L Landing Rd in Gloucester Twp	SEVERE	MODERATE	MODERATE	Not Assessed, Tidal	Tidal, Watershed < 6 sq mi
18	AN0661	Bg Timber Ck N Br at Park Ave in Lindenwold Boro	MODERATE	MODERATE	MODERATE	Non Attainment	
18	AN0662	Mason Run at Chews Landing Rd in Lindenwold Boro	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
18	AN0663	Bg Timber Ck N Br at Rt 168 in Gloucester Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
18	AN0664	Bg Timber Ck at Clements Bridge Rd in Runnemede Boro	MODERATE	MODERATE	MODERATE	Not Assessed, Tidal	Tidal
18	AN0665	Almonesson Ck at Clements Bridge Rd in Deptford Twp	SEVERE	SEVERE	SEVERE	Not Assessed, Tidal	Tidal
18	AN0666	Ltl Timber Ck at Devon Rd in Bellmawr Boro	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
18	AN0667	Woodbury Ck at Rt 45 in Woodbury City	MODERATE	MODERATE	MODERATE	Not Assessed, Tidal	Tidal
18	AN0668	Mantua Ck at Greentree Rd in Glassboro Boro	MODERATE	NONE	NONE	Full Attainment	
18	AN0669	Mantua Ck at Lambs Rd in Mantua Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Directly Below Lake
18	AN0670	Chestnut Br at Lambs Rd in Mantua Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
18	AN0670A	Plank Run @ Rt 322 in Harrison Twp				Non Attainment	Discontinued Site, Carry over from 98 List
18	AN0671	Chestnut Br at Mantua Blvd in Mantua Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
18	AN0672	Mantua Ck at Mantua Ave in Wenonah Boro	MODERATE	MODERATE	MODERATE	Insufficient Data	Tidal
18	AN0673	Edwards Run at Pitman - Jefferson Rd in Harrison Twp	SEVERE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
18	AN0674	Edwards Run at Jessups Mill Rd in Mantua Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
18	AN0675	Still Run at Quaker Rd in East Greenwich Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
18	AN0675A	Still Run @ Union Rd in E Greenwich Twp				Non Attainment	Discontinued Site, Carry over from 98 List
18	AN0676	Rattling Run at Tomlin Rd in East Greenwich Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
18	AN0677	Pargy Ck at Swedesboro Ave in East Greenwich Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
18	AN0678	Ltl Timber Ck at Paulsboro Rd in Logan Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
18	AN0679	Raccoon Ck at Ellis Mill Rd in Elk Twp	MODERATE	SEVERE	SEVERE	Non Attainment	
18	AN0680	Raccoon Ck at N Main St in Harrison Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
18	AN0681	Raccoon Ck S Br at Swedesboro Rd in South Harrison Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
18	AN0682	Raccoon Ck S Br at High St in Harrison Twp	NONE	MODERATE	MODERATE	Non Attainment	
18	AN0683	Raccoon Ck at Tomlin Sta Rd in Harrison Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
18	AN0684	UNT to Raccoon Ck at Russell Mill Rd in Woolwich Twp	MODERATE	SEVERE	SEVERE	Not Assessed, Tidal	Tidal
18	AN0685	Raccoon Ck at Kings Hwy in Woolwich Twp	MODERATE	SEVERE	SEVERE	Not Assessed, Tidal	Tidal
18	AN0686	Oldmans Ck at Swedesboro-Monroeville Rd in South Harrison Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
18	AN0687	Oldmans Ck at Lk Rd in South Harrison Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Directly Below Lake
18	AN0688	Oldmans Ck at Kings Hwy in Woolwich Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
18	AN0689	Oldmans Ck at Pointers - Auburn Rd (Rt 551) in Oldmans Twp	MODERATE	SEVERE	SEVERE	Not Assessed, Tidal	Tidal

Table II-19. Summary of AMNET Results

WMA	Site ID	Station Name	1st Round Assessment	2nd Round Assessment	Overall Assessment	2002 List Assessment	Comments
17	AN0690	Salem R at Commissioners Rd (Rt 581) in Upper Pittsgrove Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
17	AN0690A	Salem R @ Newkirk Sta Rd in U Pittsgrove Twp				Non Attainment	Discontinued Site, Carry over from 98 List
17	AN0691	Salem R at Mill St in Woodstown Boro	SEVERE	MODERATE	MODERATE	Insufficient Data	Directly Below Lake
17	AN0692	Nichomus Run at Rt 45 in Pilesgrave Twp	SEVERE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
17	AN0693	Salem R at Kings Hwy in Pilesgrave Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
17	AN0694	Major Run at Pointers - Sharptown Rd in Pilesgrave Twp	SEVERE	NOSAMPLE	SEVERE	Non Attainment	
17	AN0695	Two Penny Run at E Quillytown Rd in Carneys Point Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
17	AN0696	Game Ck at Rt 48 in Carneys Point Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Directly Below Lake
17	AN0697	UNT to Culliers Run at Bassett Rd in Mannington Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
17	AN0698	Swedes Run at Swedes Bridge Rd in Mannington Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
17	AN0699	Alloway Ck at Yorktown - Friesburg Rd in Alloway Twp	MODERATE	SEVERE	SEVERE	Non Attainment	
17	AN0700	Cool Run at Stockington - Pleasant Hill Rd in Alloway Twp	MODERATE	NONE	NONE	Full Attainment	
17	AN0701	UNT to Alloway Ck at Alloway - Aldine Rd in Alloway Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi, Directly Below Lake
17	AN0702	Alloway Ck at Welchville - Alloway Rd in Alloway Twp	MODERATE	MODERATE	MODERATE	Not Assessed, Tidal	Tidal
17	AN0703	Deep Run at Waterworks Rd in Alloway Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Directly Below Lake,
17	AN0704	Lower Alloway Ck at Perry Rd in Lower Alloways Creek Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
17	AN0705	Sarah Run at Telegraph Rd in Stow Creek Twp	MODERATE	NONE	NONE	Full Attainment	
17	AN0706	Stow Ck at Buckhorn Rd in Stow Creek Twp	MODERATE	MODERATE	MODERATE	Not Assessed, Tidal	Tidal
17	AN0707	Canton Drain at Maskell Mill Rd in Lower Alloways Creek Twp	MODERATE	MODERATE	MODERATE	Not Assessed, Tidal	Tidal, Directly Below Lake
17	AN0708	Raccoon Ditch at Davis Mill Rd in Greenwich Twp	MODERATE	SEVERE	SEVERE	Non Attainment	
17	AN0709	Cohansey R at Beal Rd in Alloway Twp	NONE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
17	AN0710	Cohansey R at Rt 540 in Upper Deerfield Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
17	AN0711	Parsonage Run at Finley Rd in Upper Deerfield Twp	SEVERE	SEVERE	SEVERE	Non Attainment	
17	AN0712	Cohansey R at Silver Lk Rd in Upper Deerfield Twp	MODERATE	MODERATE	MODERATE	Non Attainment	
17	AN0713	Barrett Run at Maple Ave in Hopewell Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
17	AN0714	Barrett Run at W Ave in Bridgeton City	MODERATE	MODERATE	MODERATE	Non Attainment	
17	AN0715	Indian Fields Br at Grove St in Bridgeton City	MODERATE	MODERATE	MODERATE	Not Assessed, Tidal	Tidal
17	AN0716A	Town Swamp Bk @ Buckshutem Rd in Fairfield Twp				Non Attainment	Discontinued Site, Carry over from 98 List
17	AN0716B	Mill Cr @ Rt 650 in Greenwich Twp				Non Attainment	Discontinued Site, Carry over from 98 List
17	AN0717	Pine Mt Ck at Rt 623 in Greenwich Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi

Table II-19. Summary of AMNET Results

WMA	Site ID	Station Name	1st Round Assessment	2nd Round Assessment	Overall Assessment	2002 List Assessment	Comments
17	AN0718	Cedar Ck at Main St in Lawrence Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Directly Below Lake,
17	AN0719	Pages Run at Rt 553 in Lawrence Twp	MODERATE	SEVERE	SEVERE	Not Assessed, Tide	Tidal
17	AN0721	Scotland Run at Rt 322 in Monroe Twp	NONE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
17	AN0722	Scotland Run at Clayton - Williamstown Rd (Rt 610) in Clayton Boro	NONE	NOSAMPLE	NONE	Full Attainment	
17	AN0723	Scotland Run at Rt 538 in Franklin Twp	NONE	NOSAMPLE	NONE	Full Attainment	
17	AN0724	Indian Br at Rt 47 in Franklin Twp	MODERATE	NOSAMPLE	MODERATE	Non Attainment	
17	AN0724A	Indian Br @ Sta Rd in Janvier (Franklin Twp)				Non Attainment	Discontinued Site, Carry over from 98 List
17	AN0725	Scotland Run at Rt 40 in Franklin Twp	MODERATE	NOSAMPLE	MODERATE	Insufficient Data	Directly Below Lake
17	AN0726	UNT to Ltl Ease Ru at Carpenter Rd in Glassboro Boro	MODERATE	NOSAMPLE	MODERATE	Insufficient Data	Watershed < 6 sq mi
17	AN0727	Ltl Ease Run at Grant Ave in Franklin Twp	MODERATE	NOSAMPLE	MODERATE	Non Attainment	
17	AN0728	Ltl Ease Run at Leonard Cake Rd in Franklin Twp	MODERATE	NOSAMPLE	MODERATE	Non Attainment	
17	AN0729	Still Run at Aura Rd in Elk Twp	NONE	NONE	NONE	Full Attainment	
17	AN0730	Still Run at Ltl Mill Rd in Franklin Twp	MODERATE	NOSAMPLE	MODERATE	Non Attainment	
17	AN0731	Reed Br at Royal Ave in Franklin Twp	MODERATE	NOSAMPLE	MODERATE	Insufficient Data	Directly Below Lake
17	AN0732	Still Run at Rt 40 in Franklin Twp	NONE	NOSAMPLE	NONE	Full Attainment	
17	AN0733	Maurice R (Scotland Run) at Willow Grove Rd in Vineland City	MODERATE	MODERATE	MODERATE	Insufficient Data	Directly Below Lake
17	AN0734	Burnt Mill Br at W Blvd in Newfield Boro	MODERATE	NOSAMPLE	MODERATE	Insufficient Data	Watershed < 6 sq mi
17	AN0734A	Burnt Mill Br @ Forest Grove Rd in Newfield				Non Attainment	Discontinued Site, Carry over from 98 List
17	AN0735	Burnt Mill Br at Rt 55 in Vineland City	NONE	NONE	NONE	Full Attainment	
17	AN0736	Green Br at Crow Pond Rd in Pittsgrove Twp	NONE	NONE	NONE	Full Attainment	
17	AN0737	Green Br at Jesse Bridge Rd in Pittsgrove Twp	MODERATE	NONE	NONE	Full Attainment	
17	AN0738	Blackwater Br at Main Rd in Franklin Twp	SEVERE	NOSAMPLE	SEVERE	Non Attainment	
17	AN0739	Blackwater Br at Maurice R Pkwy in Vineland City	MODERATE	NOSAMPLE	MODERATE	Non Attainment	
17	AN0740	Maurice R at Almond Ave in Vineland City	NONE	NONE	NONE	Full Attainment	
17	AN0741	Muddy Run at Burlington Rd in Upper Pittsgrove Twp	MODERATE	NONE	NONE	Full Attainment	
17	AN0742	Muddy Run at Dutch Row Rd in Elmer Boro	MODERATE	MODERATE	MODERATE	Insufficient Data	Directly Below Lake
17	AN0743	Palatine Br at Shirley Rd in Upper Pittsgrove Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
17	AN0744	Palatine Br at Dubois Rd in Pittsgrove Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
17	AN0745	Muddy Run at blw Palatine Lk in Pittsgrove Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Directly Below Lake
17	AN0746	Indian Run at Cedar Ln Rd in Upper Pittsgrove Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
17	AN0747	Indian Run at Husted Sta Rd in Pittsgrove Twp	SEVERE	MODERATE	MODERATE	Non Attainment	
17	AN0748	Muddy Run at Parvins Mill Rd in Pittsgrove Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Directly Below Lake
17	AN0749	Muddy Run at Lebanon Rd in Pittsgrove Twp	MODERATE	NONE	NONE	Full Attainment	
17	AN0750	Parvin Br at Rt 55 in Vineland City	MODERATE	MODERATE	MODERATE	Non Attainment	
17	AN0751	Maurice R at Sherman Ave in Vineland City	MODERATE	MODERATE	MODERATE	Non Attainment	
17	AN0752	Lebanon Br (Mill Ck) at Sherman Ave in Deerfield Twp	NONE	NONE	NONE	Full Attainment	

Table II-19. Summary of AMNET Results

WMA	Site ID	Station Name	1st Round Assessment	2nd Round Assessment	Overall Assessment	2002 List Assessment	Comments
17	AN0753	Mill Ck at off Spur 552 (Union Lk WMA) in Millville City	NONE	NONE	NONE	Full Attainment	
17	AN0754	White Marsh Run at Hogbin Rd in Millville City	MODERATE	MODERATE	MODERATE	Insufficient Data	Watershed < 6 sq mi
17	AN0755	White Marsh Run at Rt 555 in Millville City	MODERATE	MODERATE	MODERATE	Non Attainment	
17	AN0756	Buckshutem Ck at Rt 555 in Millville City	MODERATE	NONE	NONE	Full Attainment	
17	AN0757	Cedar Br at Italia Ave in Vineland City	MODERATE	MODERATE	MODERATE	Non Attainment	
17	AN0758	Panther Br (Manantico Ck) at Italia Ave in Vineland City	MODERATE	NONE	NONE	Full Attainment	
17	AN0759	Manantico Ck at Hance Bridge Rd in Vineland City	MODERATE	MODERATE	MODERATE	Non Attainment	
17	AN0760	Manantico Ck at Rt 49 in Millville City	NONE	NONE	NONE	Full Attainment	
17	AN0761	Berryman Br at Rt 49 in Millville City	NONE	NONE	NONE	Full Attainment	
17	AN0762	Manumuskin R at Old Mays Landing Rd in Vineland City	NONE	NONE	NONE	Insufficient Data	Pinelands
17	AN0762A	Manumuskin R @ Main Ave in Milmay				Non Attainment	Discontinued Site, Carry over from 98 List
17	AN0763	Manumuskin R at Fries Mill (off Cumberland - Port Eliz in Maurice River Twp	NONE	NOSAMPLE	NONE	Insufficient Data	Pinelands
17	AN0764	Muskee Ck at Rt 548 in Maurice River Twp	NONE	MODERATE	MODERATE	Not Assessed, Tidal	Tidal, Pinelands
16	AN0765	West Ck at Rt 550 in Maurice River Twp	MODERATE	MODERATE	MODERATE	Insufficient Data	Pinelands
16	AN0766	Savages Run (East Ck) at Sunset Rd in Dennis Twp	MODERATE	NONE	NONE	Insufficient Data	Pinelands
16	AN0767	UNT to Dennis Ck at Rt 47 (blw Dennisville Lk) in Dennis Twp	SEVERE	SEVERE	SEVERE	Not Assessed, Tidal	Tidal, Watershed < 6 sq mi
16	AN0768	UNT to Dennis Ck at Rt. 47 (Ludlams Pond outlet) in Dennis Twp	NOSAMPLE	MODERATE	MODERATE	Not Assessed, Tidal	Tidal, Pinelands
16	AN0769	Old Robins Br at Beaver Causeway in Dennis Twp	SEVERE	SEVERE	SEVERE	Non Attainment	
16	AN0770	Green Ck at Rt 47 in Middle Twp	SEVERE	SEVERE	SEVERE	Non Attainment	
16	AN0771	Fishing Ck at Rt 47 in Middle Twp	SEVERE	SEVERE	SEVERE	Non Attainment	
20	MB-117	Lahaway Creek at Holmes Mill Rd in Upper Freehold			MODERATE	Non Attainment	
20	MB-120	Shappen Run at Holmes Mill Rd in Upper Freehold			MODERATE	Insufficient Data	Watershed < 6 sq mi
20	MB-122	Negro Run at Sharon Station Rd in Upper Freehold			MODERATE	Insufficient Data	Watershed < 6 sq mi
20	MB-123	Doctors Creek at Breza Rd in Upper Freehold			MODERATE	Non Attainment	
13	MB-135	N Branch Metedeconk River at Rt 9 South in Howell			NONE	Full Attainment	
13	MB-139	Ground Hog Brook at Locust Ave in Howell			MODERATE	Non Attainment	
12	MB-14	Wreck Pond Brook at Allenwood Rd in Wall			MODERATE	Insufficient Data	Watershed < 6 sq mi
13	MB-146	N Branch Metedeconk River at Siloam Rd in Freehold			MODERATE	Insufficient Data	Watershed < 6 sq mi
13	MB-147	N Branch Metedeconk River at Aldrich Rd in Howell			NONE	Full Attainment	
13	MB-148	N Branch Metedeconk River at Nomoco Rd in Freehold			MODERATE	Insufficient Data	Watershed < 6 sq mi
13	MB-153	Haystack Brook at Maxim-Southard Rd (upstream) in Howell			SEVERE	Non Attainment	Formerly same as site 138
13	MB-154	Haystack Brook at Brent Dr in Howell			MODERATE	Insufficient Data	Watershed < 6 sq mi
12	MB-16	Squankum Brook at Easy St & Rt 547 in Howell			MODERATE	Non Attainment	
12	MB-33	Husky Brook at South St in Eatontown			MODERATE	Insufficient Data	Watershed < 6 sq mi

Table II-19. Summary of AMNET Results

WMA	Site ID	Station Name	1st Round Assessment	2nd Round Assessment	Overall Assessment	2002 List Assessment	Comments
12	MB-34	Pine Brook at Hockhockson Rd in Tinton Falls			MODERATE	Insufficient Data	Watershed < 6 sq mi
12	MB-55	Trout Brook at Richdale Rd in Colts Neck			MODERATE	Insufficient Data	Watershed < 6 sq mi
10	MB-70	Rocky Brook at Fairplay Rd in Millstone			MODERATE	Insufficient Data	Watershed < 6 sq mi
09	MB-81	Weamaconk Creek at Main St (Tennent Rd) in Manalapan			MODERATE	Non Attainment	
09	MB-82	Weamaconk Creek (Spotswood Middle B at Freehold-Englishtown Rd in Mana			MODERATE	Insufficient Data	Watershed < 6 sq mi
09	MB-97	McGellairds Brook at Waterworks Rd in Freehold			MODERATE	Insufficient Data	Watershed < 6 sq mi
10	MB-CA	Bently Brook at Prodelin Way in Millstone			MODERATE	Insufficient Data	Watershed < 6 sq mi
10	MB-CB	Bently Brook at Prodelin Way downstream in Millstone			MODERATE	Insufficient Data	Watershed < 6 sq mi
20	MB-FA	Ivanhoe Brook at Olde Noah Hunt Rd in Millstone			SEVERE	Non Attainment	
10	MB-MILL1	Millstone River at Corner of Rt 33 & Millstone Rd in Millstone			NONE	Full Attainment	
10	MB-MILL2	Millstone River at Baird Rd in Millstone			MODERATE	Insufficient Data	Same site as 75, Watershed < 6 sq mi
10	MB-MILL3	Millstone River at Nolan Dr in Millstone			MODERATE	Insufficient Data	Watershed < 6 sq mi
10	MB-MILL4	Millstone River at Stillhouse Rd in Millstone			MODERATE	Insufficient Data	Same site as 72, Watershed < 6 sq mi
10	MB-MILL5	Millstone River at Backbone Hill Rd in Millstone			MODERATE	Insufficient Data	Watershed < 6 sq mi
10	MB-MILL6	Millstone River at Roberts Rd in Millstone			NONE	Full Attainment	
20	MB-PARK1	Doctors Creek at Sharon Station Rd in Upper Freehold			MODERATE	Non Attainment	Formerly same as site 121
12	MB-PARK3	Mahoras Creek at Holland Rd in Middletown			MODERATE	Insufficient Data	Watershed < 6 sq mi
10	MB-PARK5	Rocky Brook at Bitner Rd in Millstone			NONE	Full Attainment	
10	MB-RA	Running Brook (Rocky Brook) at Baird Rd (guardrail) in Millstone			MODERATE	Insufficient Data	Watershed < 6 sq mi
10	MB-RB	Running Brook (Rocky Brook) at Baird Rd & Etra Perrineville Rd in Mill			MODERATE	Insufficient Data	Watershed < 6 sq mi

Table II-20. Data Summary of Recreational Lakes

Lake	2001				2000				1999	
	Geometric Mean	Number Exceed	Percent Exceed	Assessment Result	Geometric Mean	Number Exceed	Percent Exceed	Assessment Result	Geometric Mean	Percent Exceed
Buena Vista CG	122.15	7	46.7	Non Attainment	40.79	0	0.0	Attainment	15.8	0.0
Collings Lakes #1 (Braddock)	104.31	5	29.4	Non Attainment	82.93	2	22.2	NA	164.59	8.0
Collings Lakes #2 (Jays Lake North)	103.31	3	17.7	Non Attainment	84.55	0	0.0	Attainment	121.63	0.0
Collings Lakes #3 (Jays Lake South)	86.21	4	23.5	Non Attainment	255.81	3	50.0	NA	225.69	69.2
Egg Harbor City Lake (Eastside)	4	0	0.0	Attainment	5.67	0	0.0	Attainment	2.31	0.0
Egg Harbor City Lake (Westside)	4.24	0	0.0	Attainment	6.04	0	0.0	Attainment	3.12	0.0
Lazy River	27.68	0	0.0	Attainment	13.89	1	9.1	Attainment	24.13	18.2
Indian Branch	11.48	0	0.0	Attainment	15.37	1	16.7	NA	1.47	0.0
Paradise Lake	27.69	0	0.0	Attainment	7.25	0	0.0	Attainment	45.27	25.0
Hammonton Bathing Beach (Center)	95.24	17	23.0	Non Attainment	129.24	74	41.6	Non Attainment	69	18.3
Hammonton Bathing Beach (Left)	177.98	11	45.8	Non Attainment				NA		
Hammonton Bathing Beach (Right)	144.82	10	41.7	Non Attainment				NA		
Lenape Park	52.97	0	0.0	Attainment	54.44	0	0.0	Attainment	36.58	0.0
Lake Lenape "The Cove"	59.69	2	11.8	Non Attainment	16.98	0	0.0	Attainment	10.67	12.0
Evergreen Woods	80.76	2	33.3	NA	10	0	0.0	Attainment	11.25	0.0
Red Wing	7.36	0	0.0	Attainment	12.64	0	0.0	Attainment	18.6	0.0
Nacote Creek Beach	69.23	4	20.0	Non Attainment	42.64	0	0.0	Attainment	33.98	5.0
Sleepy Hollow	17.77	0	0.0	Attainment	24.91	0	0.0	Attainment	5.51	0.0
Indian Trail Club Lake 1	15.16	0	0.0	Attainment				NA	12.57	0.6
Indian Trail Club Lake 2	26.83	0	0.0	Attainment				NA		
Indian Trail Club Lake 3	45.27	0	0.0	Attainment				NA		
Indian Trail Club Lake 4	39.86	0	0.0	Attainment				NA		
Indian Trail Club Lake 5	65.03	0	0.0	Attainment				NA		
Indian Trail Club Lake 6	35.04	0	0.0	Attainment				NA		
Indian Trail Club Lake 7	33.64	1	9.1	Attainment				NA		
Indian Trail Club Lake 8	39.48	1	9.1	Attainment				NA		
Indian Trail Club Lake 9	48.43	0	0.0	Attainment				NA		
Indian Trail Club Lake 10	27.83	0	0.0	Attainment				NA		
Indian Trail Club Lake 11	33.08	1	10.0	Attainment				NA		
Indian Trail Club Lake 12	17.1	0	0.0	Attainment				NA		
Crystal Lake (Ramapo Mountain Lakes, Inc.)				NA	135.69	8	44.4	Non Attainment	23.72	0.0
Morris County Park Beach	77.85	2	18.2	Non Attainment				NA		
Morris County Park Inlet	33.42	1	10.0	Attainment				NA		
Morris County Park Lake	40	0	0.0	Attainment				NA		
Morris County Park Outlet	30.31	1	11.1	NA				NA		

Table II-20. Data Summary of Recreational Lakes

Lake	Assessment Result	1998			Assessment Result	1997		
		Geometric Mean	Number Exceed	Percent Exceed		Geometric Mean	Percent Exceed	Assessment Result
Buena Vista CG	Attainment	66.82	0	0.0	Attainment	80.21	0.0	Attainment
Collings Lakes #1 (Braddock)	Attainment	44.31	0	0.0	Attainment			NA
Collings Lakes #2 (Jays Lake North)	Attainment	81.05	0	0.0	Attainment			NA
Collings Lakes #3 (Jays Lake South)	Non Attainment	58.07	0	0.0	Attainment			NA
Egg Harbor City Lake (Eastside)	Attainment	4.66	0	0.0	Attainment	4.3	0.0	Attainment
Egg Harbor City Lake (Westside)	Attainment	3.98	0	0.0	Attainment	3.7	0.0	Attainment
Lazy River	Non Attainment	21.29	1	9.1	Attainment	22	0.0	Attainment
Indian Branch	Attainment				NA	23.26	2.0	Attainment
Paradise Lake	Non Attainment				NA	150.9	5.0	Attainment
Hammonton Bathing Beach (Center)	Non Attainment				NA	259.66	72.0	Non Attainment
Hammonton Bathing Beach (Left)	NA				NA			NA
Hammonton Bathing Beach (Right)	NA				NA			NA
Lenape Park	Attainment	10.9	1	4.3	Attainment	36.76	3.0	Attainment
Lake Lenape "The Cove"	Non Attainment	15.36	0	0.0	Attainment	62.09	6.0	Attainment
Evergreen Woods	Attainment	4.72	0	0.0	Attainment	46.38	1.0	Attainment
Red Wing	Attainment	3.98	0	0.0	Attainment	10.08	0.0	Attainment
Nacote Creek Beach	Attainment	27.41	0	0.0	Attainment	45.24	0.0	Attainment
Sleepy Hollow	Attainment				NA	9.45	0.0	Attainment
Indian Trail Club Lake 1	Attainment	11.24	0	0.0	Attainment	13.03	0.0	Attainment
Indian Trail Club Lake 2	NA				NA			NA
Indian Trail Club Lake 3	NA				NA			NA
Indian Trail Club Lake 4	NA				NA			NA
Indian Trail Club Lake 5	NA				NA			NA
Indian Trail Club Lake 6	NA				NA			NA
Indian Trail Club Lake 7	NA				NA			NA
Indian Trail Club Lake 8	NA				NA			NA
Indian Trail Club Lake 9	NA				NA			NA
Indian Trail Club Lake 10	NA				NA			NA
Indian Trail Club Lake 11	NA				NA			NA
Indian Trail Club Lake 12	NA				NA			NA
Crystal Lake (Ramapo Mountain Lakes, Inc.)	Attainment	22.65	1	6.7	Attainment	38.4	0.0	Attainment
Morris County Park Beach	NA				NA			NA
Morris County Park Inlet	NA				NA			NA
Morris County Park Lake	NA				NA			NA
Morris County Park Outlet	NA				NA			NA

Table II-20. Data Summary of Recreational Lakes

Lake	2001				2000				1999	
	Geometric Mean	Number Exceed	Percent Exceed	Assessment Result	Geometric Mean	Number Exceed	Percent Exceed	Assessment Result	Geometric Mean	Percent Exceed
Mendham Township Pond Beach	37.22	1	16.7	NA	22.93	0	0.0	Attainment	17.62	0.0
Mendham Township Pond Inlet	70.71	1	16.7	NA				NA		
Mendham Township Pond Outlet	58.31	0	0.0	Attainment				NA		
Sunrise Lake				NA	97.58	2	22.2	NA	38.15	10.0
Ravine Lake (Somerset Lake)	50.66	1	10.0	Attainment	68.85	6	37.5	Non Attainment	42.12	0.0
Sunset Lake	84	7	50.0	Non Attainment	93.38	2	20.0	Non Attainment	87.8	10.0
Chips Folly				NA	45.18	0	0.0	Attainment	36.6	0.0
Pilgrim Lake Campground	20.5	0	0.0	Attainment	80.97	0	0.0	Attainment	59.78	0.0
Timberline Lake Campground	11.1	0	0.0	Attainment	10.09	0	0.0	Attainment	20.32	0.0
Sylvan Lake	80.11	3	21.4	Non Attainment	58.27	4	21.1	Non Attainment	8.73	0.0
Lion Tamers Club	95.39	0	0.0	Attainment	80.86	1	20.0	NA		
Clubhouse Marlton Lake Civic Assn.	114.51	3	17.7	Non Attainment	62.68	0	0.0	Attainment	17.2	0.0
Kings Grant	1420.53	16	88.9	Non Attainment	418.55	12	66.7	Non Attainment	38.16	0.0
Mohegan Lake YMCA Camp Moore	13.83	0	0.0	Attainment	15.93	0	0.0	Attainment	45.96	0.0
Union Mill Lake Colony Club	37.35	0	0.0	Attainment	66.76	0	0.0	Attainment	39.73	0.0
East Lake Marlton Lake Civic Assn.	183.03	6	30.0	Non Attainment	100.01	0	0.0	Attainment	137.7	0.0
YMCA Camp Moore Family Lake	17.65	0	0.0	Attainment	17.9	0	0.0	Attainment	37.94	0.0
Harmony Lake				NA				NA		
Liberty Lake	38.9	0	0.0	Attainment	53.56	0	0.0	Attainment	12.9	0.0
Lakeside	22.21	1	8.3	Attainment	17.93	2	18.2	Non Attainment	15.65	0.0
Medford Pines				NA	14.14	0	0.0	Attainment	10	0.0
Woodlake	586.87	4	100.0	NA				NA		
Medford Lakes Colony Club Beach 1	47.72	2	9.5	Attainment	10.48	0	0.0	Attainment	3.31	0.0
Medford Lakes Colony Club Beach 2	53.43	5	22.7	Non Attainment	8.37	0	0.0	Attainment	2.02	0.0
Medford Lakes Colony Club Beach 3	78.08	6	26.1	Non Attainment	11.93	0	0.0	Attainment	2.47	0.0
Medford Lakes Colony Club Beach 4	106.52	7	31.8	Non Attainment	12.12	1	6.3	Attainment	3.56	0.0
Medford Lakes Colony Club Beach 5	64.28	4	17.4	Non Attainment	4.81	0	0.0	Attainment	1.57	0.0
Birchwood Lakes Beach	92.75	12	38.7	Non Attainment	1.44	0	0.0	Attainment	2.48	0.0
Blue Lake Beach	150.95	11	50.0	Non Attainment	3.49	0	0.0	Attainment	2.68	0.0
Braddocks Mill Lake	33.16	3	14.3	Non Attainment	1.72	0	0.0	Attainment	2.18	6.7
Camp Darkwaters				NA				NA	266.87	100.0

Table II-20. Data Summary of Recreational Lakes

Lake	Assessment Result	1998			Assessment Result	1997		
		Geometric Mean	Number Exceed	Percent Exceed		Geometric Mean	Percent Exceed	Assessment Result
Mendham Township Pond Beach	Attainment	18.19	0	0.0	Attainment			NA
Mendham Township Pond Inlet	NA				NA			NA
Mendham Township Pond Outlet	NA				NA			NA
Sunrise Lake	Attainment	30.62	0	0.0	Attainment			NA
Ravine Lake (Somerset Lake)	Attainment				NA			NA
Sunset Lake	Attainment	56.5	0	0.0	Attainment	113.5	1.0	Attainment
Chips Folly	Attainment	14.66	0	0.0	Attainment	14.04	0.0	Attainment
Pilgrim Lake Campground	Attainment	78.71	0	0.0	Attainment	37.39	0.0	Attainment
Timberline Lake Campground	Attainment	11.18	0	0.0	Attainment	29.36	0.0	Attainment
Sylvan Lake	Attainment	22.85	0	0.0	Attainment	43.8	1.0	Attainment
Lion Tamers Club	NA				NA			NA
Clubhouse Marlton Lake Civic Assn.	Attainment	124.83	0	0.0	Attainment	93.37	0.0	Attainment
Kings Grant	Attainment	313.84	12	63.2	Non Attainment	318.22	11.0	Non Attainment
Mohegan Lake YMCA Camp Moore	Attainment	22.15	0	0.0	Attainment	34.23	0.0	Attainment
Union Mill Lake Colony Club	Attainment	22.46	0	0.0	Attainment	35.5	0.0	Attainment
East Lake Marlton Lake Civic Assn.	Attainment	109.97	0	0.0	Attainment	116.26	0.0	Attainment
YMCA Camp Moore Family Lake	Attainment	33.69	0	0.0	Attainment	35.68	0.0	Attainment
Harmony Lake	NA				NA	170	0.0	Attainment
Liberty Lake	Attainment	86.78	0	0.0	Attainment	54.84	0.0	Attainment
Lakeside	Attainment				NA			NA
Medford Pines	Attainment				NA			NA
Woodlake	NA				NA			NA
Medford Lakes Colony Club Beach 1	Attainment	23.09	0	0.0	Attainment	5.49	0.0	Attainment
Medford Lakes Colony Club Beach 2	Attainment	37.04	0	0.0	Attainment	7.11	0.0	Attainment
Medford Lakes Colony Club Beach 3	Attainment	53.29	0	0.0	Attainment	34.86	2.0	Attainment
Medford Lakes Colony Club Beach 4	Attainment	42.49	0	0.0	Attainment	14.75	0.0	Attainment
Medford Lakes Colony Club Beach 5	Attainment	45.52	0	0.0	Attainment	5.66	0.0	Attainment
Birchwood Lakes Beach	Attainment	47.58	0	0.0	Attainment	8.89	0.0	Attainment
Blue Lake Beach	Attainment	23.12	0	0.0	Attainment	17.95	0.0	Attainment
Braddocks Mill Lake	Attainment	36.81	0	0.0	Attainment	4.46	0.0	Attainment
Camp Darkwaters	Non Attainment	248.93	7	53.8	Non Attainment	341.95	10.0	Attainment

Table II-20. Data Summary of Recreational Lakes

Lake	2001				2000				1999	
	Geometric Mean	Number Exceed	Percent Exceed	Assessment Result	Geometric Mean	Number Exceed	Percent Exceed	Assessment Result	Geometric Mean	Percent Exceed
Camp Ockanickon Boys	29	0	0.0	Attainment	34.63	0	0.0	Attainment	47.09	0.0
Camp Ockanickon Family	46.82	0	0.0	Attainment	54.95	0	0.0	Attainment	50.56	0.0
Camp Ockanickon Girls	72.19	1	6.3	Attainment	68.04	0	0.0	Attainment	57.97	0.0
Camp Ockanickon Pomona	74.28	0	0.0	Attainment	49.73	0	0.0	Attainment	41.52	0.0
Cardinal Ridge Condos	4.29	0	0.0	Attainment	13.32	0	0.0	Attainment	19.86	0.0
Centennial Lake	14.6	0	0.0	Attainment	11.99	0	0.0	Attainment	13.49	0.0
East Lake Pine Colony Club	42.58	0	0.0	Attainment	52.58	0	0.0	Attainment	53.2	6.7
Girl Scouts Kettle Run	37.42	4	22.2	Non Attainment	5.16	0	0.0	Attainment	3.03	0.0
Holly Lake Association	33.16	1	6.7	Attainment	76.54	0	0.0	Attainment	61.8	0.0
JCC Camps at Medford	27.84	0	0.0	Attainment	15	0	0.0	Attainment	14.61	0.0
Main Lake Pine Colony Club	56.57	0	0.0	Attainment	63.31	0	0.0	Attainment	82.27	12.5
Mimosa Lake Beach	45.92	4	20.0	Non Attainment	16.33	0	0.0	Attainment	1.19	0.0
Oakwood Lakes	178.3	2	12.5	Non Attainment	252.25	3	50.0	NA	168.82	0.0
Shawnee Country OSA	66.79	2	11.8	Non Attainment	85.73	0	0.0	Attainment	49.67	0.0
Sherwood Forest	80.9	7	29.2	Non Attainment	5.12	1	5.9	Attainment	1.89	0.0
South Lake Pine Colony Club	43.9	0	0.0	Attainment	46.77	0	0.0	Attainment	56.67	7.1
Tamarac Lake	62.29	2	11.1	Non Attainment	45.96	0	0.0	Attainment	22.04	0.0
Taunton Lake	38.16	0	0.0	Attainment	19.19	0	0.0	Attainment	18.36	0.0
Country Lakes	31.62	1	7.7	Attainment	32.97	1	7.1	Attainment	3.79	0.0
Methodist Camps	51.33	6	33.3	Non Attainment	1.2	0	0.0	Attainment	1.69	0.0
Mirror Lake	93.53	3	21.4	Non Attainment	73.01	4	22.2	Non Attainment	13.48	7.7
Presidential Lakes	27.11	0	0.0	Attainment	42.96	3	20.0	Non Attainment	3.61	0.0
Boy Scouts	35.51	2	18.2	Non Attainment	7.5	0	0.0	Attainment	2.91	0.0
Camp Inawendiwin	44.62	4	26.7	Non Attainment	53.55	0	0.0	Attainment	48.69	0.0
Delanco Camp Meeting	37.29	0	0.0	Attainment	59.01	1	7.1	Attainment	24.44	0.0
BelHaven Lake	7.06	1	6.3	Attainment				NA		
Lake Edenwold				NA				NA	69.14	8.0
Stoneybrook Swim Club	72.82	1	11.1	NA	22.89	0	0.0	Attainment	16.46	0.0
Camp Haluwasa	48.7	2	15.4	Non Attainment	56.51	2	15.4	Non Attainment	7.01	8.3
Bellmawr Lake	12.97	0	0.0	Attainment	13.45	0	0.0	Attainment	10	0.0
Camp Pine Hill	75.59	2	25.0	NA	70.4	0	0.0	Attainment	20.96	8.3
Chatham Lake	213.26	6	37.5	Non Attainment	83.44	4	26.7	Non Attainment	29.96	0.0
Foxview Beach	40.41	2	20.0	Non Attainment	48.62	1	7.7	Attainment	27.69	0.0
Great Times Camp	33.43	0	0.0	Attainment	50.65	1	9.1	Attainment	80.06	9.1
Oceanview Campground	13.05	0	0.0	Attainment	5.57	0	0.0	Attainment	2.79	0.0
Resort County Club	12.31	0	0.0	Attainment	13.85	0	0.0	Attainment	7.05	9.1
Pine Haven Campground	52.02	0	0.0	Attainment	82.97	0	0.0	Attainment	79.6	0.0
Outdoor World Lake and Shore	39.18	0	0.0	Attainment	30.04	0	0.0	Attainment	42.86	0.0
Holly Lake Campground				NA	14.42	0	0.0	Attainment	49.18	27.8

Table II-20. Data Summary of Recreational Lakes

Lake	Assessment Result	1998			Assessment Result	1997		
		Geometric Mean	Number Exceed	Percent Exceed		Geometric Mean	Percent Exceed	Assessment Result
Camp Ockanickon Boys	Attainment	27.77	0	0.0	Attainment	20	0.0	Attainment
Camp Ockanickon Family	Attainment	41.27	0	0.0	Attainment	18.65	0.0	Attainment
Camp Ockanickon Girls	Attainment	47.24	0	0.0	Attainment	21.54	0.0	Attainment
Camp Ockanickon Pomona	Attainment	32.43	0	0.0	Attainment	27.77	0.0	Attainment
Cardinal Ridge Condos	Attainment	10.49	0	0.0	Attainment	3.1	0.0	Attainment
Centennial Lake	Attainment	16.44	0	0.0	Attainment	12.53	0.0	Attainment
East Lake Pine Colony Club	Attainment	81.31	2	12.5	Non Attainment	93.34	0.0	Attainment
Girl Scouts Kettle Run	Attainment	34.96	0	0.0	Attainment	2.4	0.0	Attainment
Holly Lake Association	Attainment	22.69	0	0.0	Attainment	39.26	0.0	Attainment
JCC Camps at Medford	Attainment	10.71	0	0.0	Attainment	3.73	0.0	Attainment
Main Lake Pine Colony Club	Non Attainment	106.79	2	12.5	Non Attainment	109.75	0.0	Attainment
Mimosa Lake Beach	Attainment	22.93	0	0.0	Attainment	4.05	0.0	Attainment
Oakwood Lakes	Attainment	113.76	0	0.0	Attainment	74.1	0.0	Attainment
Shawnee Country OSA	Attainment	21.02	0	0.0	Attainment	18.64	0.0	Attainment
Sherwood Forest	Attainment	15.86	0	0.0	Attainment	5.15	0.0	Attainment
South Lake Pine Colony Club	Attainment	38.57	1	6.3	Attainment	64.89	0.0	Attainment
Tamarac Lake	Attainment	40	0	0.0	Attainment	29.75	0.0	Attainment
Taunton Lake	Attainment	18.19	0	0.0	Attainment	49.98	1.0	Attainment
Country Lakes	Attainment	82.06	3	20.0	Non Attainment	13	0.0	Attainment
Methodist Camps	Attainment	31.26	0	0.0	Attainment	2.31	0.0	Attainment
Mirror Lake	Attainment	75.27	4	23.5	Non Attainment	26	1.0	Attainment
Presidential Lakes	Attainment	33.08	3	18.8	Non Attainment			NA
Boy Scouts	Attainment	33.49	0	0.0	Attainment	1.9	0.0	Attainment
Camp Inawendiwin	Attainment	18.42	0	0.0	Attainment	6.8	0.0	Attainment
Delanco Camp Meeting	Attainment	13.57	0	0.0	Attainment	10.5	0.0	Attainment
BelHaven Lake	NA				NA			NA
Lake Edenwold	Attainment	203.32	5	62.5	NA	39.89	0.0	Attainment
Stoneybrook Swim Club	Attainment	21.64	1	10.0	Attainment	42.28	0.0	Attainment
Camp Haluwasa	Attainment	50.97	0	0.0	Attainment	34.4	0.0	Attainment
Bellmawr Lake	Attainment	17.58	0	0.0	Attainment	13.2	0.0	Attainment
Camp Pine Hill	Attainment	37.19	0	0.0	Attainment	10	0.0	Attainment
Chatham Lake	Attainment	35.52	0	0.0	Attainment	34.44	0.0	Attainment
Foxview Beach	Attainment	37.82	1	7.1	Attainment	46.67	0.0	Attainment
Great Times Camp	Attainment	70.56	0	0.0	Attainment	39.7	0.0	Attainment
Oceanview Campground	Attainment				NA	4.11	1.0	Attainment
Resort County Club	Attainment	4.2	0	0.0	Attainment	10.44	1.0	Attainment
Pine Haven Campground	Attainment	16.05	3	15.0	Non Attainment	6.89	2.0	Attainment
Outdoor World Lake and Shore	Attainment	11.4	0	0.0	Attainment	19.65	0.0	Attainment
Holly Lake Campground	Non Attainment	133.46	8	30.8	Non Attainment	49.8	2.0	Attainment

Table II-20. Data Summary of Recreational Lakes

Lake	2001				2000				1999	
	Geometric Mean	Number Exceed	Percent Exceed	Assessment Result	Geometric Mean	Number Exceed	Percent Exceed	Assessment Result	Geometric Mean	Percent Exceed
Hidden Acres	15.46	0	0.0	Attainment	7.95	0	0.0	Attainment	7.63	0.0
Driftwood Camping Resorts	18.17	1	7.7	Attainment	10	0	0.0	Attainment		
Beachcomer Campground	61.33	0	0.0	Attainment	89.64	0	0.0	Attainment	58.53	0.0
Seashore Campsites	10	0	0.0	Attainment	8.85	0	0.0	Attainment	6.4	0.0
Lake Laurie Campground	40.39	3	23.1	Non Attainment	84.09	2	28.6	NA	18.21	11.1
Big Timber Lake	19.97	0	0.0	Attainment	18.43	2	22.2	NA	4.68	0.0
Garden Park Lake	95.03	2	20.0	Non Attainment	68.09	1	9.1	Attainment	50.63	7.7
Outdoor World Sea Pines	31.71	0	0.0	Attainment	121.58	0	0.0	Attainment	106.2	12.5
Bayberry Cove (large)	5.98	0	0.0	Attainment	24.1	0	0.0	Attainment	76.73	7.1
Bayberry Cove (small)	16.76	1	7.1	Attainment	30	0	0.0	Attainment	59.43	0.0
Sunset Lake Bathing Beach	47.29	1	6.7	Attainment	58.93	3	21.4	Non Attainment	26.48	0.0
Laurel Lake Olive Road Bathing Area	4.77	0	0.0	Attainment	24.2	0	0.0	Attainment	20	0.0
Laurel Lake Nymph Road Bathing Area	5.96	0	0.0	Attainment	18.8	0	0.0	Attainment	21.46	0.0
Laurel Lake Mist Road Bathing Area	5.62	0	0.0	Attainment	15.74	0	0.0	Attainment	20	0.0
Clarks Pond Capps Day Camp Beach	16.68	0	0.0	Attainment	18.62	0	0.0	Attainment	20	0.0
Sheppards Mill Pond	21.84	0	0.0	Attainment	23.41	0	0.0	Attainment	20	0.0
Cedar Lake	75.22	3	21.4	Non Attainment	31.75	0	0.0	Attainment	39.84	7.1
Hands Mill Pond Bathing Area	15.84	0	0.0	Attainment	31.75	0	0.0	Attainment	54.9	7.1
Union Lake Bathing Area	24.08	1	7.1	Attainment	23.52	0	0.0	Attainment	29.62	0.0
Laurel Lake Narcissus Rd Bathing Area	7.81	0	0.0	Attainment	23.51	0	0.0	Attainment	22.44	0.0
Laurel Lake Narcissus Dock Bathing Area	9.76	0	0.0	Attainment	20.61	0	0.0	Attainment		
Gandy's Beach	30.07	2	14.3	Non Attainment				NA		
Double A Marina	42.13	1	7.1	Attainment				NA		
Rabins Beach	17.81	0	0.0	Attainment				NA		
Pickle Factory Dock	2.71	0	0.0	Attainment				NA		
Lake Arrowhead	29.13	0	0.0	Attainment	27.25	1	7.7	Attainment	24.03	7.7
Cooks Lake Main Beach	23.18	0	0.0	Attainment	79.74	6	33.3	Non Attainment	19.29	0.0
Cooks Lake Small Beach(1)	76.11	2	28.6	NA	47.11	0	0.0	Attainment	16.49	0.0
Cooks (2)	20	0	0.0	Attainment				NA		
Estling Lake	26.76	0	0.0	Attainment	30.35	2	12.5	Non Attainment	15.45	0.0
Indian Clubhouse	141.99	4	44.4	NA	56.27	3	37.3	NA	135.75	38.5
Indian Franklin	45.38	0	0.0	Attainment	33.95	2	15.4	Non Attainment	21.32	8.3
Indian Main	23.52	0	0.0	Attainment	21.25	1	7.7	Attainment	11.49	0.0

Table II-20. Data Summary of Recreational Lakes

Lake	Assessment Result	1998			Assessment Result	1997		
		Geometric Mean	Number Exceed	Percent Exceed		Geometric Mean	Percent Exceed	Assessment Result
Hidden Acres	Attainment	4.25	0	0.0	Attainment	4.75	0.0	Attainment
Driftwood Camping Resorts	NA	5.23	0	0.0	Attainment	9.09	2.0	Attainment
Beachcomer Campground	Attainment	29.46	1	7.1	Attainment	43.57	1.0	Attainment
Seashore Campsites	Attainment	3.64	0	0.0	Attainment	6.22	1.0	Attainment
Lake Laurie Campground	Non Attainment	32.18	1	7.1	Attainment	43.93	3.0	Attainment
Big Timber Lake	Attainment	23.43	2	11.1	Non Attainment	21.2	1.0	Attainment
Garden Park Lake	Attainment	160	0	0.0	Attainment	166.63	1.0	Attainment
Outdoor World Sea Pines	Non Attainment	16.1	1	5.9	Attainment	112.43	0.0	Attainment
Bayberry Cove (large)	Attainment	19.63	0	0.0	Attainment	19.11	0.0	Attainment
Bayberry Cove (small)	Attainment	45.13	0	0.0	Attainment	67.03	0.0	Attainment
Sunset Lake Bathing Beach	Attainment	37.45	2	10.0	Attainment	32.56	1.0	Attainment
Laurel Lake Olive Road Bathing Area	Attainment	20	0	0.0	Attainment	20	0.0	Attainment
Laurel Lake Nymph Road Bathing Area	Attainment	20	0	0.0	Attainment	23.9	0.0	Attainment
Laurel Lake Mist Road Bathing Area	Attainment	21.81	0	0.0	Attainment	20	0.0	Attainment
Clarks Pond Capps Day Camp Beach	Attainment	21.18	0	0.0	Attainment	24.43	1.0	Attainment
Sheppards Mill Pond	Attainment	22.11	0	0.0	Attainment	24.52	0.0	Attainment
Cedar Lake	Attainment	50.47	3	18.8	Non Attainment	34.88	2.0	Attainment
Hands Mill Pond Bathing Area	Attainment	20	0	0.0	Attainment	22.98	0.0	Attainment
Union Lake Bathing Area	Attainment	20.98	0	0.0	Attainment			NA
Laurel Lake Narcissus Rd Bathing Area	Attainment	20.98	0	0.0	Attainment	20	0.0	Attainment
Laurel Lake Narcissus Dock Bathing Area	NA				NA			NA
Gandy's Beach	NA				NA			NA
Double A Marina	NA				NA			NA
Rabins Beach	NA				NA			NA
Pickle Factory Dock	NA				NA			NA
Lake Arrowhead	Attainment	19.79	0	0.0	Attainment	13.74	0.0	Attainment
Cooks Lake Main Beach	Attainment	51.92	1	9.1	Attainment	22.42	1.0	Attainment
Cooks Lake Small Beach(1)	Attainment	36.16	0	0.0	Attainment	17.32	0.0	Attainment
Cooks (2)	NA				NA			NA
Estling Lake	Attainment	18.71	0	0.0	Attainment	13.18	0.0	Attainment
Indian Clubhouse	Non Attainment	71.37	1	11.1	NA	70.05	2.0	Attainment
Indian Franklin	Attainment	25.6	0	0.0	Attainment	27.04	0.0	Attainment
Indian Main	Attainment	12.6	0	0.0	Attainment	23.2	0.0	Attainment

Table II-20. Data Summary of Recreational Lakes

Lake	2001				2000				1999	
	Geometric Mean	Number Exceed	Percent Exceed	Assessment Result	Geometric Mean	Number Exceed	Percent Exceed	Assessment Result	Geometric Mean	Percent Exceed
Rock Ridge	51.45	1	7.1	Attainment	42.29	1	7.1	Attainment	16.73	0.0
Cedar/1 (East)	12.6	0	0.0	Attainment	19.73	1	9.1	Attainment	10.65	0.0
Cedar/2 (West)	28.21	0	0.0	Attainment	30.55	1	9.1	Attainment	27.44	0.0
Wilson Lake	62.28	3	30.0	Non Attainment				NA	54.97	25.0
Eastern Gate Lake				NA				NA	60.71	11.1
Franklinville Lake	395.56	23	79.3	Non Attainment	69.44	3	18.8	Non Attainment	110.64	25.0
Iona Lake	55.01	2	13.3	Non Attainment	26.31	2	12.5	Non Attainment	76.03	31.3
Malaga Lake	166.46	9	42.9	Non Attainment	34.35	1	6.7	Attainment	107.7	31.3
Lake Garrison North	66.43	3	23.1	Non Attainment	89.5	9	23.1	Non Attainment	44.63	18.8
Lake Garrison South	78.97	2	14.3	Non Attainment				NA		
Old Cedar Lake	53.39	3	16.7	Non Attainment	12.89	0	0.0	Attainment	11.25	0.0
Oldmans Creek Lake	27.7	1	7.7	Attainment	14.65	0	0.0	Attainment	1	0.0
Holly Green Campground	50.87	3	16.7	Non Attainment	23	0	0.0	Attainment	101.86	38.9
Hurff Lake	14.28	0	0.0	Attainment	10	0	0.0	Attainment	1.38	0.0
Lake Kandle	24.74	1	6.3	Attainment	34.35	0	0.0	Attainment	14.09	0.0
Washington Township Lake	15.09	0	0.0	Attainment	10	0	0.0	Attainment	12.74	14.3
Greenwood Park Bells Lake	64.98	2	11.8	Non Attainment	23.69	0	0.0	Attainment	13.24	0.0
Wenonah Lake Playground	66.53	2	11.8	Non Attainment	31.67	0	0.0	Attainment	9.03	6.3
Hospitality Creek Campground				NA	129.56	4	23.5	Non Attainment	11.56	16.7
Timber Lake	108.09	5	28.8	Non Attainment	71.06	4	26.7	Non Attainment	63.61	10.0
Lake Gilman	27.68	1	7.1	Attainment				NA		
Sacajawea Camp	325.75	4	66.7	NA				NA		
Lake Silvestro	94.89	7	53.9	Non Attainment				NA		
Baptist Camp and Conf. Ctr.				NA				NA	2	0.0
Cross Roads Outdoor Ministries (Camp Beisler)				NA	110.3	6	40.0	Non Attainment	32	0.0
Camp Bernie				NA	44.96	2	14.3	Non Attainment	33.27	0.0
Community Assoc. of Prospect Point	56.77	2	25.0	NA	34.77	0	0.0	Attainment	37.36	15.4
Cozy Lakers	21.29	0	0.0	Attainment	29.08	0	0.0	Attainment	97.29	45.5
NYODA Girls Camp Inc.	21.25	1	10.0	Attainment	44.01	0	0.0	Attainment	13.42	0.0
Lake Swannanoa Country Club	75.6	1	10.0	Attainment	36.13	2	15.4	Non Attainment	8.59	0.0
White Rock Lake Assoc.	29.52	1	10.0	Attainment	16.73	0	0.0	Attainment	21.81	7.1
Lake Winona Civic Association				NA				NA	11.15	9.1
East Shores POA	76.81	2	25.0	NA	77.67	0	0.0	Attainment	39.22	25.0
Lake Forest Yacht Club Beach	158.05	3	27.3	Non Attainment	31.27	0	0.0	Attainment	27.59	0.0
Lake Forest Yacht Club Dock	96.61	0	0.0	Attainment				NA		
Lake Shawnee Club Beach 1				NA	29.54	0	0.0	Attainment	12.78	8.3
Lake Shawnee Club Beach 3				NA	28.69	0	0.0	Attainment		

Table II-20. Data Summary of Recreational Lakes

Lake	Assessment Result	1998			Assessment Result	1997		
		Geometric Mean	Number Exceed	Percent Exceed		Geometric Mean	Percent Exceed	Assessment Result
Rock Ridge	Attainment	61.25	2	16.7	Non Attainment	15.15	0.0	Attainment
Cedar/1 (East)	Attainment	21.2	0	0.0	Attainment	16.53	0.0	Attainment
Cedar/2 (West)	Attainment	24.91	0	0.0	Attainment	18.52	0.0	Attainment
Wilson Lake	Non Attainment	44.25	2	14.3	Non Attainment	182.59	13.0	Non Attainment
Eastern Gate Lake	Non Attainment	84.83	9	45.0	Non Attainment	20.09	0.0	Attainment
Franklinville Lake	Non Attainment	184.77	8	50.0	Non Attainment	192.1	7.0	Attainment
Iona Lake	Non Attainment	119.84	4	26.7	Non Attainment	30.97	1.0	Attainment
Malaga Lake	Non Attainment	140.13	5	31.3	Non Attainment	120.57	5.0	Attainment
Lake Garrison North	Non Attainment	21.36	0	0.0	Attainment	15.38	1.0	Attainment
Lake Garrison South	NA				NA			NA
Old Cedar Lake	Attainment	21.58	2	12.5	Non Attainment	12.89	1.0	Attainment
Oldmans Creek Lake	Attainment	30.94	4	19.0	Non Attainment	7.96	0.0	Attainment
Holly Green Campground	Non Attainment	21.97	1	5.9	Attainment	5.27	1.0	Attainment
Hurff Lake	Attainment	10.76	0	0.0	Attainment	5.02	0.0	Attainment
Lake Kandle	Attainment	7.72	1	6.3	Attainment	8.84	1.0	Attainment
Washington Township Lake	Non Attainment	28.83	1	5.6	Attainment	5.88	1.0	Attainment
Greenwood Park Bells Lake	Attainment	16.67	3	20.0	Non Attainment	37.63	3.0	Attainment
Wenonah Lake Playground	Attainment	11.75	0	0.0	Attainment	34.36	2.0	Attainment
Hospitality Creek Campground	Non Attainment	107.46	3	15.8	Non Attainment	82.82	5.0	Attainment
Timber Lake	Attainment	60.94	1	6.3	Attainment	207.25	12.0	Non Attainment
Lake Gilman	NA				NA			NA
Sacajawea Camp	NA				NA			NA
Lake Silvestro	NA				NA			NA
Baptist Camp and Conf. Ctr.	Attainment	8.16	1	6.3	Attainment	7.25	0.0	Attainment
Cross Roads Outdoor Ministries (Camp Beisler)	Attainment	66.98	0	0.0	Attainment	23.69	0.0	Attainment
Camp Bernie	Attainment	35.33	0	0.0	Attainment			NA
Community Assoc. of Prospect Point	Non Attainment	24.24	2	14.3	Non Attainment			NA
Cozy Lakers	Non Attainment	21.19	7	26.9	Non Attainment	19.68	2.0	Attainment
NYODA Girls Camp Inc.	Attainment	21.12	2	16.7	Non Attainment			NA
Lake Swannanoa Country Club	Attainment	64.05	6	37.5	Non Attainment	48.13	1.0	Attainment
White Rock Lake Assoc.	Attainment	19.75	0	0.0	Attainment	24.62	0.0	Attainment
Lake Winona Civic Association	Attainment				NA	33.13	0.0	Attainment
East Shores POA	Non Attainment	10.64	0	0.0	Attainment	44.52	0.0	Attainment
Lake Forest Yacht Club Beach	Attainment	58.68	1	8.3	Attainment	42.65	0.0	Attainment
Lake Forest Yacht Club Dock	NA				NA			NA
Lake Shawnee Club Beach 1	Attainment				NA			NA
Lake Shawnee Club Beach 3	NA				NA			NA

Table II-20. Data Summary of Recreational Lakes

Lake	2001				2000				1999	
	Geometric Mean	Number Exceed	Percent Exceed	Assessment Result	Geometric Mean	Number Exceed	Percent Exceed	Assessment Result	Geometric Mean	Percent Exceed
Sun Air Campground	10.94	1	6.7	Attainment	23.27	0	0.0	Attainment	8.86	0.0
Smoke Rise Beach	13.48	0	0.0	Attainment	65.55	0	0.0	Attainment	54.2	10.0
Lake Reality	11.38	0	0.0	Attainment	8.67	0	0.0	Attainment	2.32	0.0
West Fayson Lake Main Beach	30.89	3	23.1	Non Attainment	26.06	0	0.0	Attainment	4.29	0.0
Sabey's Beach	18.07	0	0.0	Attainment	11.74	0	0.0	Attainment	1.66	0.0
Lake Rickabear Beach	16.23	2	16.7	Non Attainment	19	0	0.0	Attainment	10.61	20.0
Lincoln Park Community Lake Beginning	37.16	0	0.0	Attainment	17.82	0	0.0	Attainment	22.33	11.1
Lincoln Park Community Lake Diving Area	69.01	1	10.0	Attainment	12.2	0	0.0	Attainment		
Lincoln Park Community Lake Swim Lanes	30.5	0	0.0	Attainment				NA		
Deer Lake Club (shallow water)				NA	13.18	0	0.0	Attainment		
Deer Lake Club (deep water/swim lanes)				NA	12.6	0	0.0	Attainment		
Lake Rogerene Civic Assoc.				NA	20.65	1	9.1	Attainment		
Mt Arlington Beach	66.17	0	0.0	Attainment	80.33	1	12.5	NA		
Mine Hill Beach	22.89	0	0.0	Attainment	96.13	1	12.5	NA		
Carroll's Garden Lake	9.03	2	20.0	Non Attainment	12.69	0	0.0	Attainment	34.18	11.1
Hercules Pond	1	0	0.0	Attainment				NA		
Lake Valhalla Beach	43.42	0	0.0	Attainment	17.99	0	0.0	Attainment	6.32	3.4
Lake Valhalla Dock	52.94	1	8.3	Attainment				NA		
Birchwood Lake	31.67	2	12.5	Non Attainment	21.06	1	7.1	Attainment	22.73	6.3
Mountain Lake	91.21	6	28.6	Non Attainment	47.28	2	14.3	Non Attainment	28.25	11.8
Mt. Olive Municipal Beach, Budd Lake	57.14	1	5.9	Attainment	45.12	1	5.9	Attainment	42.49	25.0
Pavillion Beach	274.36	2	100.0	NA				NA		
Pax Amicus Beach	16	0	0.0	Attainment				NA		
Manor House Outlet	182.5	0	0.0	Attainment				NA		
Lake Barnegat- Middle Beach	134.14	7	35.0	Non Attainment	72.32	6	22.2	Non Attainment	37.27	9.1
Deer Head - Upper Beach	52.27	7	31.8	Non Attainment	34.95	2	8.3	Attainment	29	9.5
Bamber Lake - West Lake	25.02	5	26.3	Non Attainment	58.51	3	13.0	Non Attainment	22.83	5.0
Bamber Lake - East Lake	26.44	5	26.3	Non Attainment	43.2	1	4.6	Attainment	19.65	5.0
Lake Horicon Beach - North	9.28	1	6.7	Attainment	94.88	2	12.5	Non Attainment	24.37	6.7
Lake Horicon Beach - South	10.18	2	12.5	Non Attainment	18.94	0	0.0	Attainment	17.14	0.0
Ocean County Park Beach	441.97	24	70.6	Non Attainment	331.87	20	64.5	Non Attainment	394.5	56.5
Lake Carasaliyo South Beach	168.62	17	58.6	Non Attainment	311.16	9	64.3	Non Attainment	181.23	52.9
Lake Carasaliyo North Beach	194.14	15	51.7	Non Attainment	466.71	33	84.6	Non Attainment	194.76	90.9
Pine Lake Bathing Beach	656.39	29	93.6	Non Attainment	162.85	11	44.0	Non Attainment	60.02	16.7

Table II-20. Data Summary of Recreational Lakes

Lake	Assessment Result	1998			Assessment Result	1997		
		Geometric Mean	Number Exceed	Percent Exceed		Geometric Mean	Percent Exceed	Assessment Result
Sun Air Campground	Attainment	2.67	0	0.0	Attainment			NA
Smoke Rise Beach	Attainment	11.45	1	7.1	Attainment	6.7	1.0	Attainment
Lake Reality	Attainment	5.57	0	0.0	Attainment	6.39	0.0	Attainment
West Fayson Lake Main Beach	Attainment	20.82	2	12.5	Non Attainment	4.29	0.0	Attainment
Sabeys Beach	Attainment	5.86	0	0.0	Attainment	2.51	0.0	Attainment
Lake Rickabear Beach	Non Attainment	14.08	0	0.0	Attainment	8.36	0.0	Attainment
Lincoln Park Community Lake Beginning	Non Attainment	27.97	1	2.9	Attainment	20.59	0.0	Attainment
Lincoln Park Community Lake Diving Area	NA				NA			NA
Lincoln Park Community Lake Swim Lanes	NA				NA			NA
Deer Lake Club (shallow water)	NA				NA			NA
Deer Lake Club (deep water/swim lanes)	NA				NA			NA
Lake Rogerene Civic Assoc.	NA	29.07	0	0.0	Attainment			NA
Mt Arlington Beach	NA	30.53	1	5.0	Attainment	9.09	0.0	Attainment
Mine Hill Beach	NA	30.38	1	5.0	Attainment	24.74	0.0	Attainment
Carroll's Garden Lake	Non Attainment	18.51	1	7.7	Attainment	10	1.0	Attainment
Hercules Pond	NA				NA			NA
Lake Valhalla Beach	Attainment	3.71	0	0.0	Attainment	4.94	0.0	Attainment
Lake Valhalla Dock	NA				NA			NA
Birchwood Lake	Attainment	15.71	0	0.0	Attainment	13.25	1.0	Attainment
Mountain Lake	Non Attainment	68.33	4	28.6	Non Attainment	18.51	0.0	Attainment
Mt. Olive Municipal Beach, Budd Lake	Non Attainment	41.56	3	15.0	Non Attainment	46.01	3.0	Attainment
Pavillion Beach	NA				NA			NA
Pax Amicus Beach	NA				NA			NA
Manor House Outlet	NA				NA			NA
Lake Barnegat- Middle Beach	Attainment	27.72	3	12.0	Non Attainment	26.15	0.0	Attainment
Deer Head - Upper Beach	Attainment	11.88	2	8.0	Attainment	15.88	1.0	Attainment
Bamber Lake - West Lake	Attainment	29.04	1	11.5	NA	23.32	2.0	Attainment
Bamber Lake - East Lake	Attainment	19.08	2	9.1	Attainment	22.96	0.0	Attainment
Lake Horicon Beach - North	Attainment	10.22	0	0.0	Attainment	23	2.0	Attainment
Lake Horicon Beach - South	Attainment	6.69	0	0.0	Attainment	16.05	1.0	Attainment
Ocean County Park Beach	Non Attainment	392.35	29	78.4	Non Attainment	153.44	13.0	Non Attainment
Lake Carasaliyo South Beach	Non Attainment	54.05	3	17.6	Non Attainment	134.22	8.0	Attainment
Lake Carasaliyo North Beach	Non Attainment	293.7	19	63.3	Non Attainment	261.05	20.0	Non Attainment
Pine Lake Bathing Beach	Non Attainment	94.64	7	23.3	Non Attainment	184.76	8.0	Attainment

Table II-20. Data Summary of Recreational Lakes

Lake	2001				2000				1999	
	Geometric Mean	Number Exceed	Percent Exceed	Assessment Result	Geometric Mean	Number Exceed	Percent Exceed	Assessment Result	Geometric Mean	Percent Exceed
Harry Wright Lake High Beach	13.98	2	11.8	Non Attainment	12.37	0	0.0	Attainment	18.27	0.0
Harry Wright Lake Low Beach	8.16	2	11.8	Non Attainment	13.11	0	0.0	Attainment	10.91	0.0
Ocean Twp Bathing Beach	28.07	3	16.7	Non Attainment	70.98	8	34.8	Non Attainment	20.27	17.6
A. Pauling Park Beach	78.74	5	23.8	Non Attainment	166.64	11	44.0	Non Attainment	183.12	40.7
Ocean Acres Beach	49.96	4	22.2	Non Attainment	223.33	19	57.6	Non Attainment	107.83	33.3
Tabor Lake Corporation	68.12	3	21.4	Non Attainment	84.72	2	28.6	NA	25.81	12.5
Rainbow Lakes Comm. Club	56.55	3	25.0	Non Attainment	25.23	1	12.5	NA	52.13	16.6
Johnson Beach Lake Parsippany	46.56	0	0.0	Attainment	49.16	1	20.0	NA	48.08	12.5
Hoffman Beach Lake Parsippany	53.56	3	18.8	Non Attainment	42.84	3	27.3	Non Attainment	38.32	9.1
Drewes Beach Lake Parsippany	184.93	0	0.0	Attainment	84.98	3	33.3	NA	27.63	8.3
Lake Intervale	55.69	3	18.8	Non Attainment	24.6	3	25.0	Non Attainment	26.79	31.3
Glen Wild Lake				NA	14.76	0	0.0	Attainment	23.29	15.4
Kampfe Lake Assoc.				NA	10.73	0	0.0	Attainment	9.69	0.0
Morse Lake POA				NA	58.53	2	16.7	Non Attainment	53.45	16.7
Lake Iosco				NA				NA	29.93	16.7
Star Lake Belmont				NA	22.53	2	8.3	Attainment	19.52	4.6
Star Lake Hilltop				NA	12.95	0	0.0	Attainment		
Cold Spring Lake Conference Center				NA	13	0	0.0	Attainment		
Middle Lake Village				NA	14.34	0	0.0	Attainment		
North Haledon Beach (left)	13.07	0	0.0	Attainment	22.79	2	7.7	Attainment		
North Haledon Beach (right)	8.42	0	0.0	Attainment				NA		
Skyline Lake Main/Lower Beach	86.97	5	33.3	Non Attainment	76.3	3	23.1	Non Attainment	77.31	24.0
Skyline Lakes Upper Beach	94.47	5	31.3	Non Attainment	77.1	1	25.0	NA		
Cupsaw	28.22	1	6.7	Attainment	55.34	2	14.3	Non Attainment	31.08	0.0
Erskine Main Beach	60.83	5	29.4	Non Attainment	44.98	2	12.5	Non Attainment	39.94	20.0
Erskine Little Beach	19.59	0	0.0	Attainment	26.93	3	17.7	Non Attainment	11.49	0.0
Erskine Upper Beach	34.75	1	7.1	Attainment	58.47	5	33.3	Non Attainment	30.39	0.0
Highlands/Weis	32.15	0	0.0	Attainment	14.79	0	0.0	Attainment	19.31	0.0
Harrison Mountain Lake	27.13	1	28.6	NA	23.58	1	7.1	Attainment	15.06	0.0
Lake Riconda Beach	15.54	0	0.0	Attainment	38.93		7.1	NA	16.25	10.0
Lions Head Lake	118.39	3	18.8	Non Attainment	86.4	3	18.8	Non Attainment	28.51	7.1
Kilroy Park (Tom's Lake)	3.01	0	0.0	Attainment	18.21	1	7.7	Attainment	8.58	0.0
Packanack Lake East	24.63	2	12.5	Non Attainment	31.79	1	6.7	Attainment	10.58	3.7
Packanack Lake West	32.21	5	27.8	Non Attainment	45.26	1	6.3	Attainment		
North Cove Swim Lanes	5.3	0	0.0	Attainment	10.49	0	0.0	Attainment	8.89	0.0
North Cove Beach	14.95	1	6.3	Attainment	22.89	1	6.3	Attainment		
Pines Lake South	23.18	1	7.1	Attainment	28.87	3	17.7	Non Attainment	10.42	7.7
Pines Lake West	70.84	2	12.5	Non Attainment	24.46	2	12.5	Non Attainment		

Table II-20. Data Summary of Recreational Lakes

Lake	Assessment Result	1998			Assessment Result	1997		
		Geometric Mean	Number Exceed	Percent Exceed		Geometric Mean	Percent Exceed	Assessment Result
Harry Wright Lake High Beach	Attainment	12.52	0	0.0	Attainment	9.02	0.0	Attainment
Harry Wright Lake Low Beach	Attainment	10.28	1	4.3	Attainment	7.74	1.0	Attainment
Ocean Twp Bathing Beach	Non Attainment	8.66	1	6.3	Attainment			NA
A. Pauling Park Beach	Non Attainment	24.02	4	20.0	Non Attainment	66.78	4.0	Attainment
Ocean Acres Beach	Non Attainment	63.57	6	26.1	Non Attainment	58.09	5.0	Attainment
Tabor Lake Corporation	Non Attainment	37.5	2	11.8	Non Attainment	82.09	4.0	Attainment
Rainbow Lakes Comm. Club	Non Attainment	22.93	1	7.7	Attainment	32.86	1.0	Attainment
Johnson Beach Lake Parsippany	Non Attainment	22.49	0	0.0	Attainment	44.03	1.0	Attainment
Hoffman Beach Lake Parsippany	Attainment	15.45	0	0.0	Attainment	39.36	2.0	Attainment
Drewes Beach Lake Parsippany	Attainment	21.27	0	0.0	Attainment	52.8	2.0	Attainment
Lake Intervale	Non Attainment	35.77	3	23.1	Non Attainment	12.26	0.0	Attainment
Glen Wild Lake	Non Attainment	12.74	0	0.0	Attainment	10.94	1.0	Attainment
Kampfe Lake Assoc.	Attainment	12.85	0	0.0	Attainment	7.71	0.0	Attainment
Morse Lake POA	Non Attainment	34.88	0	0.0	Attainment	69.67	2.0	Attainment
Lake Iosco	Non Attainment	19.99	1	8.3	Attainment	43.17	4.0	Attainment
Star Lake Belmont	Attainment	14.73	3	2.4	Attainment	13.3	0.0	Attainment
Star Lake Hilltop	NA				NA			NA
Cold Spring Lake Conference Center	NA				NA			NA
Middle Lake Village	NA				NA			NA
North Haledon Beach (left)	NA	11.92	0	0.0	Attainment	22.9	0.0	Attainment
North Haledon Beach (right)	NA				NA			NA
Skyline Lake Main/Lower Beach	Non Attainment	100.95	5	29.4	Non Attainment			NA
Skyline Lakes Upper Beach	NA	20.54	0	0.0	Attainment			NA
Cupsaw	Attainment	31.2	2	6.5	Attainment			NA
Erskine Main Beach	Non Attainment	19.14	0	0.0	Attainment			NA
Erskine Little Beach	Attainment	17.8	0	0.0	Attainment			NA
Erskine Upper Beach	Attainment	15.93	0	0.0	Attainment			NA
Highlands/Weis	Attainment	18.16	0	0.0	Attainment			NA
Harrison Mountain Lake	Attainment	14.62	0	0.0	Attainment			NA
Lake Riconda Beach	Attainment	13.35	0	0.0	Attainment			NA
Lions Head Lake	Attainment	46.55	3	17.6	Non Attainment			NA
Kilroy Park (Tom's Lake)	Attainment	48.92	0	0.0	Attainment			NA
Packanack Lake East	Attainment	45.17	3	10.0	Attainment			NA
Packanack Lake West	NA				NA			NA
North Cove Swim Lanes	Attainment	35.06	8	19.0	Non Attainment			NA
North Cove Beach	NA				NA			NA
Pines Lake South	Attainment	37.85	4	12.9	Non Attainment			NA
Pines Lake West	NA				NA			NA

Table II-20. Data Summary of Recreational Lakes

Lake	2001				2000				1999	
	Geometric Mean	Number Exceed	Percent Exceed	Assessment Result	Geometric Mean	Number Exceed	Percent Exceed	Assessment Result	Geometric Mean	Percent Exceed
Bubbling Springs	27.12	2	22.2	NA	13.36	2	12.5	Non Attainment	2.94	0.0
Forest Hill Park Beach	38.35	1	5.9	Attainment	9.47	0	0.0	Attainment	16.22	11.1
Forest Hill Park Inlet	359.65	4	44.4	NA				NA		
Farm Crest Acres Assoc.	43.06	0	0.0	Attainment	25.17	1	10.0	Attainment	11.61	0.0
Kitchell Lake Assoc.	30.97	2	12.5	Non Attainment	57.49	2	18.2	Non Attainment	20.72	12.5
Lakeside Community Club	31.97	1	25.0	NA	8.96	0	0.0	Attainment	4.76	0.0
Lake Lookover	22.95	0	0.0	Attainment	38.75	1	14.3	NA	19.38	0.0
High Crest Lake	29.9	0	0.0	Attainment	19.49	0	0.0	Attainment	23.22	0.0
Greenbrook POA	18.17	0	0.0	Attainment	10	0	0.0	Attainment	72.3	33.3
Greenwood Lake Beach Assoc	29	0	0.0	Attainment	13.88	0	0.0	Attainment	23.57	10.0
Lindy Lake Association	53.55	0	0.0	Attainment	8.87	0	0.0	Attainment	14.89	11.1
Mt. Glen Lakes	18.21	0	0.0	Attainment	10.99	0	0.0	Attainment	8.66	0.0
Mt. Laurel Beach Club	15.87	0	0.0	Attainment	14.5	0	0.0	Attainment	5.75	0.0
Mountain Springs Lake	18.97	1	16.7	NA	3.72	0	0.0	Attainment	7.85	0.0
Pinecliff Lake	35.57	0	0.0	Attainment	33.66	0	0.0	Attainment	13.08	0.0
Post Brook Farms CC	57.39	4	33.3	Non Attainment	16.07	0	0.0	Attainment	8.73	0.0
Simplicity Inn at Blueberry Point Lake Area B	10.8	0	0.0	Attainment	2	0	0.0	Attainment	1.32	0.0
Simplicity Inn at Blueberry Point Lake Beach Area	6.03	0	0.0	Attainment				NA		
Upper Greenwood Lake POA	30.48	0	0.0	Attainment	31.66	0	0.0	Attainment	48.75	18.2
Montclair YMCA Far Beach	68.64	1	7.7	Attainment	9.33	0	0.0	Attainment	15.31	3.7
Montclair YMCA Near Beach	37.14	2	15.4	Non Attainment				NA		
Camp Vacamus Lily Pad	61.22	1	16.7	NA	78.45	1	20.0	NA	12.4	0.0
Camp Vacamus Sun Fish	7.5	0	0.0	Attainment	5.9	0	0.0	Attainment		
Awosting Association	17.79	0	0.0	Attainment	24.38	0	0.0	Attainment	9.43	0.0
Echo Lake	30.88	0	0.0	Attainment	5.07	0	0.0	Attainment	12.3	0.0
Solid Rock Day Camp, Camp Giral	20.93	1	25.0	NA	18.96	0	0.0	Attainment	3.47	0.0
Gordon Lake	16.93	1	12.5	NA				NA		
P.V. Park North Shore	11.96	0	0.0	Attainment	16.09	2	6.1	Attainment		
P.V. Park South Shore	11.49	0	0.0	Attainment				NA		
P.V. Park Diving Boards	15.08	1	7.7	Attainment				NA		
P.V. Park Left Beach	10	0	0.0	Attainment				NA		
P.V. Park Right Beach	50	0	0.0	Attainment				NA		
P.V. Park Left Guard Stand	10	0	0.0	Attainment				NA		
P.V. Park Right Guard Stand	20	0	0.0	Attainment				NA		
Kampfe Lake	26.17	0	0.0	Attainment				NA		
Morse Lake	93.79	5	45.5	Non Attainment				NA		

Table II-20. Data Summary of Recreational Lakes

Lake	Assessment Result	1998			Assessment Result	1997		
		Geometric Mean	Number Exceed	Percent Exceed		Geometric Mean	Percent Exceed	Assessment Result
Bubbling Springs	Attainment	13.63	6	12.2	Non Attainment			NA
Forest Hill Park Beach	Non Attainment	6.02	0	0.0	Attainment			NA
Forest Hill Park Inlet	NA				NA			NA
Farm Crest Acres Assoc.	Attainment	26.48	0	0.0	Attainment			NA
Kitchell Lake Assoc.	Non Attainment	33.48	3	21.4	Non Attainment			NA
Lakeside Community Club	Attainment	14.45	0	0.0	Attainment			NA
Lake Lookover	Attainment	20.56	0	0.0	Attainment			NA
High Crest Lake	Attainment	5.26	0	0.0	Attainment			NA
Greenbrook POA	Non Attainment	5.15	0	0.0	Attainment			NA
Greenwood Lake Beach Assoc	Attainment	43.27	2	20.0	Non Attainment			NA
Lindy Lake Association	Non Attainment	12.53	1	11.1	NA			NA
Mt. Glen Lakes	Attainment	9.46	0	0.0	Attainment			NA
Mt. Laurel Beach Club	Attainment	3.23	0	0.0	Attainment			NA
Mountain Springs Lake	Attainment				NA			NA
Pinecliff Lake	Attainment	10.6	0	0.0	Attainment			NA
Post Brook Farms CC	Attainment	11.25	0	0.0	Attainment			NA
Simplicity Inn at Blueberry Point Lake Area B	Attainment	2.51	0	0.0	Attainment			NA
Simplicity Inn at Blueberry Point Lake Beach Area	NA				NA			NA
Upper Greenwood Lake POA	Non Attainment	6.25	0	0.0	Attainment			NA
Montclair YMCA Far Beach	Attainment	9.8	2	6.7	Attainment			NA
Montclair YMCA Near Beach	NA				NA			NA
Camp Vacamus Lily Pad	Attainment	2.85	0	0.0	Attainment			NA
Camp Vacamus Sun Fish	NA				NA			NA
Awosting Association	Attainment				NA			NA
Echo Lake	Attainment				NA			NA
Solid Rock Day Camp, Camp Gikal	Attainment	5.5	0	0.0	Attainment			NA
Gordon Lake	NA				NA			NA
P.V. Park North Shore	NA	14.88	0	0.0	Attainment			NA
P.V. Park South Shore	NA				NA			NA
P.V. Park Diving Boards	NA				NA			NA
P.V. Park Left Beach	NA				NA			NA
P.V. Park Right Beach	NA				NA			NA
P.V. Park Left Guard Stand	NA				NA			NA
P.V. Park Right Guard Stand	NA				NA			NA
Kampfe Lake	NA				NA			NA
Morse Lake	NA				NA			NA

Table II-20. Data Summary of Recreational Lakes

Lake	2001				2000				1999	
	Geometric Mean	Number Exceed	Percent Exceed	Assessment Result	Geometric Mean	Number Exceed	Percent Exceed	Assessment Result	Geometric Mean	Percent Exceed
Belmont Left	12.87	0	0.0	Attainment				NA		
Belmont Right	14.14	0	0.0	Attainment				NA		
Conference Center Left	14.96	0	0.0	Attainment				NA		
Conference Center Right	29.1	2	15.4	Non Attainment				NA		
Hilltop Left	10.65	0	0.0	Attainment				NA		
Hilltop Right	12.87	0	0.0	Attainment				NA		
Inlet Left	32.65	1	9.1	Attainment				NA		
Inlet Right	42.77	1	9.1	Attainment				NA		
Village Left	18.63	1	9.1	Attainment				NA		
Village Right	12.08	0	0.0	Attainment				NA		
Glenwild Lake	26	1	10.0	Attainment				NA		
Randolph Park Lake Left Beach	40.22	2	12.5	Non Attainment	63.84	10	22.7	Non Attainment	33.64	11.1
Randolph Park Lake Right Beach	90.81	3	18.8	Non Attainment				NA		
Randolph Park Lake Swim Lanes	23.67	0	0.0	Attainment				NA		
Park Lake Beach	138.98	6	37.5	Non Attainment	82.64	9	31.0	Non Attainment	44.16	13.9
Park Lake Swim Lanes	35.87	1	10.0	Attainment				NA		
Park Lake Inlet	155.68	3	25.0	Non Attainment				NA		
White Meadow Lake 1	86.57	2	18.2	Non Attainment	46.9	6	14.6	Non Attainment	32.89	12.5
White Meadow Lake 2	83.1	3	30.0	Non Attainment				NA		
White Meadow Lake 3	100.86	4	40.0	Non Attainment				NA		
Mount Hope Pond Left	18.94	1	10.0	Attainment	11.57	0	0.0	Attainment	18.73	2.9
Mount Hope Pond Middle	13.79	0	0.0	Attainment				NA		
Mount Hope Pond Right	17.38	1	10.0	Attainment				NA		
Green Pond D	15.59	1	9.1	Attainment	10	0	0.0	Attainment	12.34	2.6
Green Pond 1	10	0	0.0	Attainment				NA		
Green Pond 2	13.7	0	0.0	Attainment				NA		
Lake Telemark	36.23	2	16.7	Non Attainment	70.33	3	33.3	NA	13.94	0.0
Camp Lewis	28.2	2	20.0	Non Attainment	35.35	3	23.1	Non Attainment	12.2	0.0
Camp Winnebago	10.55	0	0.0	Attainment	10	0	0.0	Attainment	12.57	0.0
Lake Silver Springs	11.05	0	0.0	Attainment	24.58	1	11.1	NA	14.91	0.0
Shore Hills	61.13	1	11.1	NA	22.04	0	0.0	Attainment	37.58	21.4
Horseshoe Lake 1	12.18	0	0.0	Attainment				NA		
Horseshoe Lake 2	11.13	0	0.0	Attainment	14.61	0	0.0	Attainment	17.28	0.0
Shongum Lake	2.92	0	0.0	Attainment	15.75	1	11.1	NA	32.15	0.0
Camp Roosevelt				NA	15.2	0	0.0	Attainment	9.68	0.0
Sportsman Club	13.38	1	6.3	Attainment	10.1	0	0.0	Attainment	3.38	0.0
Four Seasons	172.76	6	35.3	Non Attainment	14.92	1	6.3	Attainment	304.55	31.6
Camp Grice				NA				NA		
Camp Merrywood				NA	43.68	0	0.0	Attainment	64.05	0.0

Table II-20. Data Summary of Recreational Lakes

Lake	Assessment Result	1998			Assessment Result	1997		
		Geometric Mean	Number Exceed	Percent Exceed		Geometric Mean	Percent Exceed	Assessment Result
Belmont Left	NA				NA			NA
Belmont Right	NA				NA			NA
Conference Center Left	NA				NA			NA
Conference Center Right	NA				NA			NA
Hilltop Left	NA				NA			NA
Hilltop Right	NA				NA			NA
Inlet Left	NA				NA			NA
Inlet Right	NA				NA			NA
Village Left	NA				NA			NA
Village Right	NA				NA			NA
Glenwild Lake	NA				NA			NA
Randolph Park Lake Left Beach	Non Attainment	44.61	12	18.8	Non Attainment	50.68	2.0	Attainment
Randolph Park Lake Right Beach	NA				NA			NA
Randolph Park Lake Swim Lanes	NA				NA			NA
Park Lake Beach	Non Attainment	71.47	14	35.0	Non Attainment	82.66	11.0	Non Attainment
Park Lake Swim Lanes	NA				NA			NA
Park Lake Inlet	NA				NA			NA
White Meadow Lake 1	Non Attainment	30.71	1	2.4	Attainment			NA
White Meadow Lake 2	NA				NA			NA
White Meadow Lake 3	NA				NA			NA
Mount Hope Pond Left	Attainment	15.44	1	2.9	Attainment			NA
Mount Hope Pond Middle	NA				NA			NA
Mount Hope Pond Right	NA				NA			NA
Green Pond D	Attainment	10.06	0	0.0	Attainment			NA
Green Pond 1	NA				NA			NA
Green Pond 2	NA				NA			NA
Lake Telemark	Attainment	79.57	3	25.0	Non Attainment			NA
Camp Lewis	Attainment	30.71	1	7.7	Attainment			NA
Camp Winnebago	Attainment	10.91	0	0.0	Attainment			NA
Lake Silver Springs	Attainment	11.22	0	0.0	Attainment	10	0.0	Attainment
Shore Hills	Non Attainment	60.21	1	7.1	Attainment	28.67	0.0	Attainment
Horseshoe Lake 1	NA				NA			NA
Horseshoe Lake 2	Attainment	15.39	0	0.0	Attainment	17.13	1.0	Attainment
Shongum Lake	Attainment	56.75	0	0.0	Attainment	48.95	0.0	Attainment
Camp Roosevelt	Attainment	20.64	1	10.0	Attainment	20.8	0.0	Attainment
Sportsman Club	Attainment	6.44	0	0.0	Attainment	6.52	0.0	Attainment
Four Seasons	Non Attainment	22.25	0	0.0	Attainment	4.84	1.0	Attainment
Camp Grice	NA				NA	9.69	1.0	Attainment
Camp Merrywood	Attainment	156.43	4	28.6	Non Attainment	96.34	1.0	Attainment

Table II-20. Data Summary of Recreational Lakes

Lake	2001				2000				1999	
	Geometric Mean	Number Exceed	Percent Exceed	Assessment Result	Geometric Mean	Number Exceed	Percent Exceed	Assessment Result	Geometric Mean	Percent Exceed
Vineland YMCA	60.75	0	0.0	Attainment				NA		
Southern NJ Council	8.05	0	0.0	Attainment				NA		
Deer Trail Lake	25.71	2	20.0	Non Attainment				NA		
Rock Lodge Club (Sandy)	10.52	0	0.0	Attainment				NA		
Rock Lodge Club (Rocky)	13.57	0	0.0	Attainment				NA		
Lake Gerard				NA				NA		
Beaver Lake	12	0	0.0	Attainment	17.15	1	7.7	Attainment	3.25	0.0
Fawn Lake	38	0	0.0	Attainment	23.82	1	8.3	Attainment	40	0.0
Lake Stockholm North	12.94	1	7.1	Attainment	17.87	1	7.7	Attainment	9.71	0.0
Lake Stockholm South	21.57	2	12.5	Non Attainment	22.7	0	0.0	Attainment	3.01	0.0
Summit Lake	59.18	2	13.3	Non Attainment	62.18	1	6.3	Attainment	68.64	0.0
Tamarack Lake Stockholm	12.77	0	0.0	Attainment				NA		
Tamarack Lake Remote	29.26	1	7.7	Attainment				NA		
Tamarack Lake North	28	0	0.0	Attainment	26.88	1	8.3	Attainment	10	0.0
Tamarack Lake South	36.29	1	7.1	Attainment	62.52	2	18.2	Non Attainment	14.14	0.0
Crystal Springs: The Quarry	50.2	1	16.7	NA	201.3	5	83.3	NA	10	0.0
Heaters Pond	21.74	2	13.3	Non Attainment	21.18	1	6.7	Attainment	21.02	0.0
Lake Mohawk Beach 1	40.83	1	7.1	Attainment	33.12	0	0.0	Attainment	29.67	11.1
Lake Mohawk Beach 2	36.75	0	0.0	Attainment	13.93	0	0.0	Attainment	53.41	20.0
Lake Mohawk Beach 3	8.65	1	7.7	Attainment	15.08	0	0.0	Attainment	21.16	6.3
Lake Mohawk Beach 4	23.23	1	7.1	Attainment	18.01	0	0.0	Attainment	30.9	5.9
Lake Mohawk Beach 5	55.88	2	13.3	Non Attainment	40.57	1	6.3	Attainment	38.27	11.8
Lake Mohawk Beach 6	47.68	1	7.1	Attainment	33.68	1	6.3	Attainment	69.22	23.8
Lake Mohawk Happly Valley Beach	21.78	2	14.3	Non Attainment	17.47	0	0.0	Attainment	75.36	25.0
Lake Mohawk Manitou Beach	61.72	3	25.0	Non Attainment				NA		
Lake Mohawk Tamarack Beach				NA	45.58	2	12.5	Non Attainment	54.28	15.8
Lake Mohawk Alpine Beach	18.92	0	0.0	Attainment	15.44	1	6.3	Attainment	18.05	0.0
Upper Lake Mohawk	42.68	2	11.8	Non Attainment	32.41	1	6.3	Attainment	41.59	21.1
Fox Hollow Lake	28.23	1	6.7	Attainment	45.45	1	6.3	Attainment	40.19	17.6
White Lake Camp Sacajawea	4.86	0	0.0	Attainment	12.55	0	0.0	Attainment	12.19	0.0
White Lake Swim Club Bathing Area 1	15.87	0	0.0	Attainment	31.38	1	8.3	Attainment	13.99	0.0
White Lake Swim Club Bathing Area 2	16.73	2	16.7	Non Attainment	43.61	1	8.3	Attainment	10.96	0.0
Sparta Lake	25.49	0	0.0	Attainment	38.75	2	11.1	Non Attainment	33.31	6.3
Arapaho Lake	18.82	0	0.0	Attainment	23.22	1	7.1	Attainment	12.74	0.0
Glen Lake	30.02	2	12.5	Non Attainment	15.54	0	0.0	Attainment	18.14	12.5
Saginaw Lake	21.98	2	12.5	Non Attainment	22.35	1	6.3	Attainment	17.39	0.0

Table II-20. Data Summary of Recreational Lakes

Lake	Assessment Result	1998			Assessment Result	1997		
		Geometric Mean	Number Exceed	Percent Exceed		Geometric Mean	Percent Exceed	Assessment Result
Vineland YMCA	NA				NA			NA
Southern NJ Council	NA				NA			NA
Deer Trail Lake	NA	2.93	0	0.0	Attainment	2	0.0	Attainment
Rock Lodge Club (Sandy)	NA	2	0	0.0	Attainment			NA
Rock Lodge Club (Rocky)	NA				NA			NA
Lake Gerard	NA				NA	10	0.0	Attainment
Beaver Lake	Attainment	25.2	0	0.0	Attainment	6.83	0.0	Attainment
Fawn Lake	Attainment	6.32	0	0.0	Attainment	4.58	0.0	Attainment
Lake Stockholm North	Attainment	8.63	0	0.0	Attainment	5.44	0.0	Attainment
Lake Stockholm South	Attainment	6.11	0	0.0	Attainment	6.57	0.0	Attainment
Summit Lake	Attainment	29.83	1	11.1	NA	53.62	3.0	Attainment
Tamarack Lake Stockholm	NA				NA			NA
Tamarack Lake Remote	NA				NA			NA
Tamarack Lake North	Attainment	19.48	0	0.0	Attainment	25.5	0.0	Attainment
Tamarack Lake South	Attainment	18.57	1	5.3	Attainment	39.92	0.0	Attainment
Crystal Springs: The Quarry	Attainment	6.02	0	0.0	Attainment	10	0.0	Attainment
Heaters Pond	Attainment				NA	41.24	3.0	Attainment
Lake Mohawk Beach 1	Non Attainment				NA			NA
Lake Mohawk Beach 2	Non Attainment	37.92	4	20.0	Non Attainment	34.88	2.0	Attainment
Lake Mohawk Beach 3	Attainment	12.69	0	0.0	Attainment	16.55	0.0	Attainment
Lake Mohawk Beach 4	Attainment	16.27	0	0.0	Attainment	24.56	0.0	Attainment
Lake Mohawk Beach 5	Non Attainment	21.87	0	0.0	Attainment	27.61	0.0	Attainment
Lake Mohawk Beach 6	Non Attainment	38.08	3	15.8	Non Attainment	65.44	3.0	Attainment
Lake Mohawk Happly Valley Beach	Non Attainment	43.01	3	15.8	Non Attainment	41.24	1.0	Attainment
Lake Mohawk Manitou Beach	NA	22.32	0	0.0	Attainment	48.41	3.0	Attainment
Lake Mohawk Tamarack Beach	Non Attainment	47.1	2	11.8	Non Attainment	27.58	0.0	Attainment
Lake Mohawk Alpine Beach	Attainment	15.93	0	0.0	Attainment	17.74	1.0	Attainment
Upper Lake Mohawk	Non Attainment	15.58	0	0.0	Attainment	19.41	1.0	Attainment
Fox Hollow Lake	Non Attainment	44.78	3	15.8	Non Attainment	23.48	1.0	Attainment
White Lake Camp Sacajawea	Attainment	12.77	0	0.0	Attainment	13.4	0.0	Attainment
White Lake Swim Club Bathing Area 1	Attainment	39.65	2	22.2	NA	13.14	0.0	Attainment
White Lake Swim Club Bathing Area 2	Attainment	19.08	1	8.3	Attainment	11.16	0.0	Attainment
Sparta Lake	Attainment	21.86	1	5.9	Attainment			NA
Arapaho Lake	Attainment	16.84	0	0.0	Attainment	15.28	0.0	Attainment
Glen Lake	Non Attainment	24.7	1	5.9	Attainment	72.15	3.0	Attainment
Saginaw Lake	Attainment	20.64	1	5.9	Attainment	20.34	0.0	Attainment

Table II-20. Data Summary of Recreational Lakes

Lake	2001				2000				1999	
	Geometric Mean	Number Exceed	Percent Exceed	Assessment Result	Geometric Mean	Number Exceed	Percent Exceed	Assessment Result	Geometric Mean	Percent Exceed
Seneca Lake				NA	26.48	2	14.3	Non Attainment	22.77	0.0
Lake Iliff	10.78	0	0.0	Attainment	33.19	0	0.0	Attainment	21.42	0.0
Lake Lenape	6.19	0	0.0	Attainment	13.49	0	0.0	Attainment	16.42	0.0
Forest Lake: Boardwalk Beach	9.82	0	0.0	Attainment	14.14	0	0.0	Attainment	20.43	0.0
Forest Lake: Cove Beach	25.82	1	9.1	Attainment	15.06	0	0.0	Attainment	12.51	0.0
Forest Lake: Harbor View Beach	47.14	3	25.0	Non Attainment	19.97	0	0.0	Attainment	36.83	0.0
Forest Lake: Main Beach	27.51	1	9.1	Attainment	16.61	0	0.0	Attainment	27.56	0.0
Jefferson Lakes	27.79	0	0.0	Attainment	64.15	0	0.0	Attainment	38.08	0.0
Lake Lackawanna: Speers Beach	74.52	4	23.5	Non Attainment	66.56	2	16.7	Non Attainment	29.3	0.0
Lake Mohawk: Sleepy Lagoon	37.59	0	0.0	Attainment	74.7	2	25.0	NA	37.64	7.1
Mt Allamuchy Scout Reservation	33.14	1	10.0	Attainment	17.32	0	0.0	Attainment	40.77	0.0
Panther Lake Beach 1	26.02	1	6.3	Attainment	108.94	6	30.0	Non Attainment	26.67	0.0
Tomahawk Lake (Large Lake Area)	11.16	0	0.0	Attainment	2.07	0	0.0	Attainment	6.22	0.0
Tomahawk Lake (Kiddie Lake Area)	23.29	2	14.3	Non Attainment	2.46	0	0.0	Attainment		
Cranberry Lake Club House	10.23	0	0.0	Attainment	6.65	0	0.0	Attainment	4.59	0.0
Cranberry Lake Rose Beach	12.34	1	12.5	NA	7.83	0	0.0	Attainment	5.76	0.0
Panther Lake Beach 2				NA				NA		
Culvers Lake	12.31	0	0.0	Attainment	14.59	1	6.7	Attainment	3.2	0.0
Harmony Ridge Beach at Large Lake	14.73	0	0.0	Attainment	13.81	1	5.6	Attainment	13.06	0.0
Harmony Ridge Beach at Small Lake	13.75	0	0.0	Attainment	39.92	3	15.8	Non Attainment	10.61	0.0
Green Valley Beach Campground	113.85	2	50.0	NA	740.45	5	27.8	Non Attainment	72.43	14.3
Garden State Academy Pond	115.39	0	0.0	Attainment				NA		
Lake Tranquility Beach A	42.21	1	7.7	Attainment	5.72	0	0.0	Attainment	9.37	0.0
Lake Tranquility Beach B				NA				NA		
Heritage Lakes: The Quarry	14.61	1	7.7	Attainment				NA		
Crandon Lakes East	10.8	0	0.0	Attainment	21.4	1	11.1	NA	2.75	0.0
Crandon Lakes West	19.96	0	0.0	Attainment	47.24	1	11.1	NA	7.23	0.0
Kemah Lake Little Beach	15.16	0	0.0	Attainment	13.69	0	0.0	Attainment	1.29	0.0
Kemah Lake Big Beach	48.23	2	28.6	NA	13.06	0	0.0	Attainment	2	0.0
Lafayette Municipal Beach	17.2	0	0.0	Attainment	20.43	1	6.3	Attainment	8.74	0.0
Holiday Lakes	13.06	0	0.0	Attainment	52.83	3	21.4	Non Attainment	10.97	7.1
Lake Masipacong: Trail Blazers Girls	11.49	0	0.0	Attainment	13.61	0	0.0	Attainment	1	0.0
Lake Masipacong: Trail Blazers Boys	11.49	0	0.0	Attainment	27.69	0	0.0	Attainment	2.15	0.0
Bell Lake	13.95	1	11.1	NA				NA	1.93	0.0

Table II-20. Data Summary of Recreational Lakes

Lake	Assessment Result	1998			Assessment Result	1997		
		Geometric Mean	Number Exceed	Percent Exceed		Geometric Mean	Percent Exceed	Assessment Result
Seneca Lake	Attainment	28.73	2	11.8	Non Attainment	25.96	1.0	Attainment
Lake Iliff	Attainment	25.4	1	33.3	NA	8	0.0	Attainment
Lake Lenape	Attainment	4.31	0	0.0	Attainment			NA
Forest Lake: Boardwalk Beach	Attainment	7.87	0	0.0	Attainment	5.37	0.0	Attainment
Forest Lake: Cove Beach	Attainment	7.96	1	8.3	Attainment	4.37	0.0	Attainment
Forest Lake: Harbor View Beach	Attainment	5.44	0	0.0	Attainment	22.64	2.0	Attainment
Forest Lake: Main Beach	Attainment	16.7	0	0.0	Attainment	10.81	0.0	Attainment
Jefferson Lakes	Attainment	3.55	0	0.0	Attainment	20	0.0	Attainment
Lake Lackawanna: Speers Beach	Attainment	74.82	3	17.6	Non Attainment	30.37	2.0	Attainment
Lake Mohawk: Sleepy Lagoon	Attainment	43.14	3	15.0	Non Attainment	60.93	5.0	Attainment
Mt Allamuchy Scout Reservation	Attainment	14.05	0	0.0	Attainment	15.1	0.0	Attainment
Panther Lake Beach 1	Attainment	41.95	0	0.0	Attainment	35.94	0.0	Attainment
Tomahawk Lake (Large Lake Area)	Attainment	8.53	0	0.0	Attainment	3.5	0.0	Attainment
Tomahawk Lake (Kiddie Lake Area)	NA				NA			NA
Cranberry Lake Club House	Attainment	7.67	0	0.0	Attainment			NA
Cranberry Lake Rose Beach	Attainment	9.87	0	0.0	Attainment			NA
Panther Lake Beach 2	NA				NA	36.21	1.0	Attainment
Culvers Lake	Attainment	9.64	0	0.0	Attainment	8.61	0.0	Attainment
Harmony Ridge Beach at Large Lake	Attainment	8.26	1	7.1	Attainment			NA
Harmony Ridge Beach at Small Lake	Attainment	10.37	1	7.1	Attainment			NA
Green Valley Beach Campground	Non Attainment	11.25	0	0.0	Attainment	7.45	0.0	Attainment
Garden State Academy Pond	NA	59	0	0.0	Attainment	82	0.0	Attainment
Lake Tranquility Beach A	Attainment				NA	16.9	3.0	Attainment
Lake Tranquility Beach B	NA				NA	20.8	0.0	Attainment
Heritage Lakes: The Quarry	NA				NA			NA
Crandon Lakes East	Attainment	7.13	0	0.0	Attainment	5.35	1.0	Attainment
Crandon Lakes West	Attainment	29.59	0	0.0	Attainment	6.45	0.0	Attainment
Kemah Lake Little Beach	Attainment	4.46	0	0.0	Attainment	6.5	0.0	Attainment
Kemah Lake Big Beach	Attainment	6.21	0	0.0	Attainment	10.54	0.0	Attainment
Lafayette Municipal Beach	Attainment	8.55	0	0.0	Attainment	8.27	0.0	Attainment
Holiday Lakes	Attainment	6.9	0	0.0	Attainment	7.14	0.0	Attainment
Lake Masipacong: Trail Blazers Girls	Attainment	5.32	0	0.0	Attainment	18.21	1.0	Attainment
Lake Masipacong: Trail Blazers Boys	Attainment	15.33	0	0.0	Attainment	6	0.0	Attainment
Bell Lake	Attainment	2.41	0	0.0	Attainment	2.99	0.0	Attainment

Table II-20. Data Summary of Recreational Lakes

Lake	2001				2000				1999	
	Geometric Mean	Number Exceed	Percent Exceed	Assessment Result	Geometric Mean	Number Exceed	Percent Exceed	Assessment Result	Geometric Mean	Percent Exceed
Rooke Lake (Camp Linwood MacDonald)	11.7	0	0.0	Attainment	41.21	1	6.7	Attainment	2.24	0.0
Kittatinny Lake East Shore	12.19	0	0.0	Attainment	30.25	0	0.0	Attainment	10.4	16.7
Kittatinny Lake West Shore	10	0	0.0	Attainment	22.08	0	0.0	Attainment	23.07	0.0
Lake Ashroe: Kittatinny Mt. BSA Res.	18.21	1	11.1	NA	13.01	0	0.0	Attainment	3.14	0.0
Lake Shawanni; Lindley Cook 4H	12.19	0	0.0	Attainment	46.42	0	0.0	Attainment	5.24	0.0
Lake Wapalanne: NJ School of Cons.				NA	32.71	1	9.1	Attainment	12.61	0.0
Deer Lake	10	0	0.0	Attainment	20.95	0	0.0	Attainment	39.87	16.7
Camp Lou Henry Hoover	14.21	0	0.0	Attainment	18.22	0	0.0	Attainment	11.13	0.0
Fairview Lake YMCA	15.87	0	0.0	Attainment	10	0	0.0	Attainment	10	0.0
Fairview Lake: Blue Mt. Day Camp	10	0	0.0	Attainment	11.89	0	0.0	Attainment	11.49	0.0
Paulinskill Lake North(Main)	7.49	0	0.0	Attainment	63.25	2	20.0	Non Attainment	5.71	0.0
Paulinskill Lake South	4.05	0	0.0	Attainment	28.21	1	10.0	Attainment	2.97	0.0
Plymouth Lake	19.06	0	0.0	Attainment	24.02	0	0.0	Attainment	3.24	0.0
YMCA Long Pine Pond	10	0	0.0	Attainment	12.2	0	0.0	Attainment	10	0.0
Lake Neepaulin	24.73	0	0.0	Attainment				NA		
Barry Lakes	18.45	0	0.0	Attainment	22.81	2	16.7	Non Attainment	30.79	10.0
Cliffwood Lake	19.76	0	0.0	Attainment	28.04	1	7.7	Attainment	10	0.0
Glen Harbor HOA	45.19	6	28.6	Non Attainment	21.39	1	9.1	Attainment	13.4	0.0
Lake Glenwood	15.85	0	0.0	Attainment	15.65	0	0.0	Attainment	10	0.0
Hidden Valley Lake				NA	24.22	0	0.0	Attainment	24.22	0.0
Highland Lake, Lake 1 Beach1	16.61	0	0.0	Attainment	21.79	1	6.7	Attainment	19.48	4.3
Highland Lake, Lake 2 Beach2	16.71	0	0.0	Attainment	16.36	0	0.0	Attainment	17.26	0.0
Highland Lakes Raceway	10.51	0	0.0	Attainment	15.69	0	0.0	Attainment		
Highland Lake, Lake 2 Beach3	14.65	0	0.0	Attainment	18.37	0	0.0	Attainment	14.56	0.0
Highland Lake, Lake 2 Beach 4	27.21	3	20.0	Non Attainment	16.2	0	0.0	Attainment	17.22	0.0
Highland Lake, Lake 3 Beach 6	11.04	0	0.0	Attainment	12.74	0	0.0	Attainment	15.86	0.0
Highland Lake, Lake 4 Beach5	14.79	0	0.0	Attainment	17.42	0	0.0	Attainment	17.51	6.7
Highland Lake, Lake 5 Beach7	15.54	0	0.0	Attainment	23.44	0	0.0	Attainment	13.5	0.0
Lake Panorama	13.83	0	0.0	Attainment	12.6	0	0.0	Attainment	10	0.0
Pleasant Valley Lake	14.06	0	0.0	Attainment	12.53	0	0.0	Attainment	15.73	0.0
The Resorts Club Lake (Spa at Great Gorge Lake)	18.85	0	0.0	Attainment	10.51	0	0.0	Attainment	13.81	0.0
Scenic Lakes	16.83	1	7.1	Attainment	15.79	0	0.0	Attainment	11.6	0.0
Tall Timbers POA	83.27	3	21.4	Non Attainment	38.21	1	12.5	NA	53.3	30.0
Vernon Valley Lake	13.46	0	0.0	Attainment	17.77	0	0.0	Attainment	10	0.0
Lake Wallkill	18.41	0	0.0	Attainment	16.76	0	0.0	Attainment	19.36	7.7

Table II-20. Data Summary of Recreational Lakes

Lake	Assessment Result	1998			Assessment Result	1997		
		Geometric Mean	Number Exceed	Percent Exceed		Geometric Mean	Percent Exceed	Assessment Result
Rooke Lake (Camp Linwood MacDonald)	Attainment	7.06	0	0.0	Attainment	17.47	1.0	Attainment
Kittatinny Lake East Shore	Non Attainment	9.29	1	20.0	NA	10.11	0.0	Attainment
Kittatinny Lake West Shore	Attainment	4.86	0	0.0	Attainment	5.87	0.0	Attainment
Lake Ashroe: Kittatinny Mt. BSA Res.	Attainment	2.35	0	0.0	Attainment	2	0.0	Attainment
Lake Shawanni; Lindley Cook 4H	Attainment	5.93	0	0.0	Attainment	11.72	1.0	Attainment
Lake Wapalanne: NJ School of Cons.	Attainment	1	0	0.0	Attainment	7.9	0.0	Attainment
Deer Lake	Non Attainment	3.64	0	0.0	Attainment	4.6	0.0	Attainment
Camp Lou Henry Hoover	Attainment	2.26	0	0.0	Attainment	7.31	0.0	Attainment
Fairview Lake YMCA	Attainment	2.67	0	0.0	Attainment	12.73	0.0	Attainment
Fairview Lake: Blue Mt. Day Camp	Attainment	2.7	0	0.0	Attainment	3.74	0.0	Attainment
Paulinskill Lake North(Main)	Attainment	14.68	2	14.3	Non Attainment	5.46	0.0	Attainment
Paulinskill Lake South	Attainment	24.68	2	14.3	Non Attainment	11.03	0.0	Attainment
Plymouth Lake	Attainment	5.7	0	0.0	Attainment	15.11	1.0	Attainment
YMCA Long Pine Pond	Attainment				NA	2	0.0	Attainment
Lake Neepaulin	NA				NA			NA
Barry Lakes	Attainment	17.44	0	0.0	Attainment	20.87	1.0	Attainment
Cliffwood Lake	Attainment	18.56	0	0.0	Attainment	14.83	1.0	Attainment
Glen Harbor HOA	Attainment	12.99	0	0.0	Attainment	5.51	0.0	Attainment
Lake Glenwood	Attainment	17.41	0	0.0	Attainment	15.96	0.0	Attainment
Hidden Valley Lake	Attainment	12.74	1	7.7	Attainment			NA
Highland Lake, Lake 1 Beach1	Attainment	21.2	0	0.0	Attainment	10.62	0.0	Attainment
Highland Lake, Lake 2 Beach2	Attainment	13.93	0	0.0	Attainment	7.25	0.0	Attainment
Highland Lakes Raceway	NA				NA			NA
Highland Lake, Lake 2 Beach3	Attainment	12.06	0	0.0	Attainment	7.05	0.0	Attainment
Highland Lake, Lake 2 Beach 4	Attainment	15.71	0	0.0	Attainment	7.56	0.0	Attainment
Highland Lake, Lake 3 Beach 6	Attainment	15.56	1	6.7	Attainment	10.65	0.0	Attainment
Highland Lake, Lake 4 Beach5	Attainment	25.67	0	0.0	Attainment	9.18	0.0	Attainment
Highland Lake, Lake 5 Beach7	Attainment	19.15	0	0.0	Attainment	9.67	0.0	Attainment
Lake Panorama	Attainment	14.08	0	0.0	Attainment	4.62	0.0	Attainment
Pleasant Valley Lake	Attainment	32.74	0	0.0	Attainment	10.88	0.0	Attainment
The Resorts Club Lake (Spa at Great Gorge Lake)	Attainment	25.53	1	10.0	Attainment	15.51	0.0	Attainment
Scenic Lakes	Attainment	15.13	1	6.7	Attainment	9.46	1.0	Attainment
Tall Timbers POA	Non Attainment	13.64	0	0.0	Attainment	11.77	0.0	Attainment
Vernon Valley Lake	Attainment	28.06	1	20.0	NA	17.57	0.0	Attainment
Lake Wallkill	Attainment	16.53	0	0.0	Attainment	5.15	0.0	Attainment

Table II-20. Data Summary of Recreational Lakes

Lake	2001				2000				1999	
	Geometric Mean	Number Exceed	Percent Exceed	Assessment Result	Geometric Mean	Number Exceed	Percent Exceed	Assessment Result	Geometric Mean	Percent Exceed
Lake Conway	2	0	0.0	Attainment	11.76	0	0.0	Attainment		
Toyes Recreation				NA				NA		
Byram Bay Community Club	5.75	0	0.0	Attainment	34.01	0	0.0	Attainment	51.39	0.0
Davis Cove				NA				NA		
Sperry Springs	24.05	0	0.0	Attainment	33.3	0	0.0	Attainment	4.47	0.0
Shady Lawn Beach Club	48.61	0	0.0	Attainment	52.75	2	25.0	NA	69.05	25.0
Logan Hills Beach Club				NA				NA		
Beck Lane Properties	30.4	2	28.6	NA	48.9	3	33.3	NA	3.43	0.0
Elba Point Homeowners	23.37	0	0.0	Attainment	12.39	0	0.0	Attainment	5.54	0.0
Wildwood Shores POA (Bass Rock Road)	14.88	0	0.0	Attainment	10	0	0.0	Attainment	32.01	25.0
Wildwood Shores POA (Lines Ave)	22.96	1	14.3	NA	15.85	0	0.0	Attainment	40.61	25.0
Wildwood Shores POA (Pebble Beach)	14.26	0	0.0	Attainment	13.46	0	0.0	Attainment	38.51	25.0
Hoptacong Gardens Comm. Club				NA	34.71	0	0.0	Attainment	28.74	14.3
Crescent Cove	3	0	0.0	Attainment	67.45	1	20.0	NA	10.86	16.7
Hopatcong Shores Property				NA				NA		
Randal Beach Club	31.6	1	20.0	NA	15.16	0	0.0	Attainment	9.74	0.0
Dox Incorporated	20.79	0	0.0	Attainment	19.68	0	0.0	Attainment	34.64	0.0
Ingram Cove Community	59.77	2	20.0	Non Attainment	85.3	2	20.0	Non Attainment	41.65	20.0
Homestead Beach	34.96	0	0.0	Attainment	50.28	0	0.0	Attainment	28.44	0.0
Jewish Center				NA				NA		
Colony Club	76.59	3	42.9	NA	86.51	1	25.0	NA	3.09	0.0
Shawnee Dock Association	18.13	0	0.0	Attainment	24.18	0	0.0	Attainment	10	0.0
Belleplain SF, Lake Nummy, Center	41.64	2	10.5	Non Attainment	32.87	9	15.0	Non Attainment	23.21	6.8
Belleplain SF, Lake Nummy, Right	50.25	2	10.5	Non Attainment				NA		
Belleplain SF, Lake Nummy, Left	42.45	1	5.3	Attainment				NA		
Parvin SP, Parvin Lake, Center	123.91	9	37.5	Non Attainment	64.99	14	21.2	Non Attainment	113.41	0.0
Parvin SP, Parvin Lake, Right	104.87	8	33.3	Non Attainment				NA		
Parvin SP, Parvin Lake, Left	101.94	9	37.5	Non Attainment				NA		
Bass River SF (Lake Absegami) Center	12.67	0	0.0	Attainment	36.05	18	27.3	Non Attainment	16.85	6.1
Bass River SF (Lake Absegami) Right	18.33	1	6.3	Attainment				NA		
Bass River SF (Lake Absegami) Left	8.96	0	0.0	Attainment				NA		
Atsion Rec. Area, Center	31.33	1	6.3	Attainment	30.35	5	8.8	Attainment	25.23	2.0
Atsion Rec. Area, Right	34.5	1	6.3	Attainment				NA		

Table II-20. Data Summary of Recreational Lakes

Lake	Assessment Result	1998			Assessment Result	1997		
		Geometric Mean	Number Exceed	Percent Exceed		Geometric Mean	Percent Exceed	Assessment Result
Lake Conway	NA				NA	83.6	1.0	Attainment
Toyes Recreation	NA				NA	8	0.0	Attainment
Byram Bay Community Club	Attainment				NA	2.49	0.0	Attainment
Davis Cove	NA				NA	2	0.0	Attainment
Sperry Springs	Attainment	2.32	0	0.0	Attainment	2.76	0.0	Attainment
Shady Lawn Beach Club	Non Attainment	24.58	0	0.0	Attainment	11.74	0.0	Attainment
Logan Hills Beach Club	NA	23.25			NA	18.2	0.0	Attainment
Beck Lane Properties	Attainment	2.99	0	0.0	Attainment	3	0.0	Attainment
Elba Point Homeowners	Attainment	12.16	0	0.0	Attainment	2.51	0.0	Attainment
Wildwood Shores POA (Bass Rock Road)	Non Attainment	18.64	0	0.0	Attainment	22.56	0.0	Attainment
Wildwood Shores POA (Lines Ave)	Non Attainment	26.05	0	0.0	Attainment	39.7	1.0	Attainment
Wildwood Shores POA (Pebble Beach)	Non Attainment	25.05	0	0.0	Attainment	66.73	1.0	Attainment
Hoptacong Gardens Comm. Club	Non Attainment	20	0	0.0	Attainment	15.16	0.0	Attainment
Crescent Cove	Non Attainment	221.86	2	40.0	NA	76.75	1.0	Attainment
Hopatcong Shores Property	NA	26.26			NA	10.19	0.0	Attainment
Randal Beach Club	Attainment	12.39	0	0.0	Attainment	12.16	1.0	Attainment
Dox Incorporated	Attainment	20	0	0.0	Attainment	5.34	0.0	Attainment
Ingram Cove Community	Non Attainment	89.54	2	28.6	NA	28.26	0.0	Attainment
Homestead Beach	Attainment	19.34	0	0.0	Attainment	17.76	0.0	Attainment
Jewish Center	NA	2179.45	2	100.0	NA	15.38	0.0	Attainment
Colony Club	Attainment				NA			NA
Shawnee Dock Association	Attainment				NA			NA
Belleplain SF, Lake Nummy, Center	Attainment	8.05	0	0.0	Attainment			NA
Belleplain SF, Lake Nummy, Right	NA				NA			NA
Belleplain SF, Lake Nummy, Left	NA				NA			NA
Parvin SP, Parvin Lake, Center	Attainment	166.5	11	44.0	Non Attainment			NA
Parvin SP, Parvin Lake, Right	NA				NA			NA
Parvin SP, Parvin Lake, Left	NA				NA			NA
Bass River SF (Lake Absegami) Center	Attainment	32.41	1	6.3	Attainment			NA
Bass River SF (Lake Absegami) Right	NA				NA			NA
Bass River SF (Lake Absegami) Left	NA				NA			NA
Atsion Rec. Area, Center	Attainment	14.63	0	0.0	Attainment			NA
Atsion Rec. Area, Right	NA				NA			NA

Table II-20. Data Summary of Recreational Lakes

Lake	2001				2000				1999	
	Geometric Mean	Number Exceed	Percent Exceed	Assessment Result	Geometric Mean	Number Exceed	Percent Exceed	Assessment Result	Geometric Mean	Percent Exceed
Atsion Rec. Area, Left	27.81	0	0.0	Attainment				NA		
Round Valley Recreational Area	33.95	0	0.0	Attainment	37.94	1	7.1	Attainment	47.46	11.1
Spruce Run SP (East Beach)	37.09	0	0.0	Attainment	35.28	2	14.3	Non Attainment	22.14	0.0
Spruce Run SP (West Beach)	55.55	0	0.0	Attainment	42.88	2	11.8	Non Attainment	20	0.0
Hoptacong SP	5.5	0	0.0	Attainment	17.14	1	6.3	Attainment	8.58	0.0
High Point SP, Lake Marcia	3.11	0	0.0	Attainment	2.36	0	0.0	Attainment	7.28	0.0
Stokes SF, Stoney Lake	9.06	0	0.0	Attainment	20.43	2	13.3	Non Attainment	33.75	7.7
Ringwood SP, Shepherd Lake	33.75	1	6.7	Attainment	46.25	3	17.7	Non Attainment	22.21	7.1
Swartwood SP Beach	42.83	1	5.9	Attainment	13.42	0	0.0	Attainment	19.46	0.0
Wawayanda SP East Beach	10.24	0	0.0	Attainment	32.51	1	6.3	Attainment	7.92	0.0
Wawayanda SP West Beach	7.75	0	0.0	Attainment	29.97	1	6.3	Attainment		
Cheesequake SP Left	112.83	3	21.4	Non Attainment	77.17	8	20.0	Non Attainment	86.84	17.1
Cheesequake SP Right	94.42	3	21.4	Non Attainment				NA		
Lawrenceville School Camp Pond	64.35	2	25.0	NA	27.51	0	0.0	Attainment	21.05	0.0
Princeton-Blairstown Lake	25.37	0	0.0	Attainment	19.36	0	0.0	Attainment	18.13	0.0
Camp Taylor Lake	20.19	1	5.9	Attainment	18.33	0	0.0	Attainment	19.5	0.0
Mountain Lake	42.98	1	7.1	Attainment	98.61	4	28.6	Non Attainment	38.26	0.0
Camp No-Be-Bo-Sco	14.03	0	0.0	Attainment	11.89	0	0.0	Attainment	14.35	0.0
Furnace Lake Beach	33.73	3	15.0	Non Attainment	67	4	20.0	Non Attainment	26.46	10.5
Silver Lake	17.1	0	0.0	Attainment						

Table II-20. Data Summary of Recreational Lakes

Lake	Assessment Result	1998			Assessment Result	1997		
		Geometric Mean	Number Exceed	Percent Exceed		Geometric Mean	Percent Exceed	Assessment Result
Atsion Rec. Area, Left	NA				NA			NA
Round Valley Recreational Area	Non Attainment	66.65	6	28.6	Non Attainment			NA
Spruce Run SP (East Beach)	Attainment	40.41	0	0.0	Attainment			NA
Spruce Run SP (West Beach)	Attainment	33.49	0	0.0	Attainment			NA
Hoptacong SP	Attainment	7.46	0	0.0	Attainment			NA
High Point SP, Lake Marcia	Attainment	8.84	0	0.0	Attainment			NA
Stokes SF, Stoney Lake	Attainment	15.16	0	0.0	Attainment			NA
Ringwood SP, Shepherd Lake	Attainment	10.78	0	0.0	Attainment			NA
Swartwood SP Beach	Attainment	72.06	8	44.4	Non Attainment			NA
Wawayanda SP East Beach	Attainment	25.93	3	7.9	Attainment	9.46	0.0	Attainment
Wawayanda SP West Beach	NA				NA			NA
Cheesequake SP Left	Non Attainment	44.84	5	13.9	Non Attainment			NA
Cheesequake SP Right	NA				NA			NA
Lawrenceville School Camp Pond	Attainment	13.37	0	0.0	Attainment	12.8	1.0	Attainment
Princeton-Blairstown Lake	Attainment	21.48	0	0.0	Attainment	7.9	0.0	Attainment
Camp Taylor Lake	Attainment	8.09	0	0.0	Attainment	6.3	0.0	Attainment
Mountain Lake	Attainment	11.48	1	6.3	Attainment	1.2	0.0	Attainment
Camp No-Be-Bo-Sco	Attainment	15.87	0	0.0	Attainment	8.1	0.0	Attainment
Furnace Lake Beach	Non Attainment	13.53	1	6.3	Attainment	64	1.0	Attainment
Silver Lake								

Table II - 21. Eutrophic Status Summary for Lakes

NAME	GIS NAME	COUNTY	TROPHIC INDICATOR	TROPHIC STATUS	REPORT	COMMENTS	ASSESSMENT
Absegami	Absegami Lake-14	Burlington	Macrophytes	Eutrophic	1989 LWQA/Water		non attainment
Alcyon	Alcyon Lake-18	Gloucester	Algae, Total Phosphorus	Eutrophic	1982 Phase II		non attainment
Allentown	Allentown Lake-20	Monmouth	Algae	Eutrophic	1991 LWQA/Water	Phase II Project completed in 1984; Lake depth was increased to eight feet by hydraulic dredge; Nuisance macrophyte populations were removed, but algal productivity is now considered excessive.	non attainment
Ames	Ames Lake-06	Morris	Algae, Macrophytes	Eutrophic	1989 LWQA/Water		insufficient data
Amwell	Amwell Lakes-10	Hunterdon	Algae, Total Phosphorus	Eutrophic	1992 LWQA/Water		insufficient data
Assunpink	Assunpink Lake-11	Monmouth	Algae, Macrophytes	Eutrophic	1991 LWQA/Water		insufficient data
Atsion	Atsion Lake-14	Burlington		Mesotrophic	1991 LWQA/Water		full attainment
Batsto	Batso Lake-14	Burlington	Macrophytes, Total Phosphorus	Eutrophic	1991 LWQA/Water		insufficient data
Bell	Bell Lake-18	Gloucester	Algae	Eutrophic	1988 Phase II		non attainment
Bethel	Bethel Lake-18	Gloucester	Algae, Total Phosphorus	Eutrophic	1983 NJLMP		non attainment
Blackwood	Blackwood Lake-18	Gloucester	Macrophytes, Total Phosphorus	Eutrophic	1990 Phase I		non attainment
Bostwick	Bostwick Lake-17	Cumberland	Algae, Macrophytes	Eutrophic	1988 LWQA/Water		insufficient data
Brainerd	Brainard Lake-10	Middlesex	Algae, Macrophytes	Eutrophic	1989 LWQA/Water		insufficient data
Branchbrook Park	Branchbrook Park Lake-04	Essex	Algae, Macrophytes	Eutrophic	1979 Intensive		insufficient data
Burnt Mill	Burnt Mill Pond-17	Cumberland	Macrophytes, Total Phosphorus	Eutrophic	1991 Phase I		non attainment
Carasaljo	Carasaljo Lake-13	Ocean	Algae, Macrophytes	Eutrophic	1989 LWQA/Water		insufficient data
Carnegie	Carnegie Lake-10	Mercer	Algae, Total Phosphorus	Eutrophic	1977 LWQA/Water		insufficient data
Clark's Pond	Clarks Pond-17	Cumberland	Macrophytes	Eutrophic	1979 Intensive		insufficient data
Clove	Clove Lake-01	Sussex	Algae, Total Phosphorus	Eutrophic	1983 NJLMP		non attainment
Columbia	Columbia Lake-01	Warren	Algae, Macrophytes	Eutrophic	1988 LWQA/Water		insufficient data
Como	Como Lake-02	Monmouth	Algae, Macrophytes	Eutrophic	1988 LWQA/Water		non attainment

Table II - 21. Eutrophic Status Summary for Lakes

NAME	GIS NAME	COUNTY	TROPHIC INDICATOR	TROPHIC STATUS	REPORT	COMMENTS	ASSESSMENT
Cooper River Lake	Copper River Lake-18	Camden	Algae	Eutrophic	1989 LWQA/Water		insufficient data
Cranberry	Cranberry Lake-01	Sussex	Macrophytes, Total Phosphorus	Eutrophic	1989 Phase I		non attainment
Crystal	Crystal Lake-20	Burlington	Algae	Eutrophic	1989 LWQA/Water		insufficient data
Davidson's Mill	Davidsons Mill Pond-09	Middlesex	Macrophytes, Algae	Eutrophic	1983 NJLMP		non attainment
Deal	Deal Lake-12	Monmouth	Algae, Macrophytes	Eutrophic	1994 Phase II		non attainment
Dennisville	Dennisville Lake-16	Cape May	Algae, Total Phosphorus	Eutrophic	1988 LWQA/Water		non attainment
Devoe	De Voe Lake-09	Middlesex	Macrophytes, Algae	Eutrophic	1983 NJLMP		non attainment
East Creek	East Creek Pond-16	Cape May	Macrophytes	Eutrophic	1989 LWQA/Water		insufficient data
Echo	Echo Lake-07	Union	Algae, Total Phosphorus	Eutrophic	1983 NJLMP		non attainment
						Phase II Project Completed in 1986. Lake Depth was increased to 10 feet, and nuisance macrophyte populations were greatly reduced.	
Etra	Etra Lake-10	Mercer	Macrophytes, Algae	Eutrophic	1991 LWQA/Water		non attainment
Evans	Evans Pond-18	Burlington	Algae	Eutrophic	1989 LWQA/Water		insufficient data
Farrington	Farrington Lake-09	Middlesex	Algae, Macrophytes	Eutrophic	1989 LWQA/Water		insufficient data
Foxmill		Salem	Algae	Eutrophic	1988 LWQA/Water		insufficient data
Franklin	Franklin Lake-12	Monmouth	Algae	Eutrophic	1987 Phase II		non attainment
Ghost	Ghost Lake-01	Warren	Macrophytes, Total Phosphorus	Eutrophic	1992 LWQA/Water		non attainment
Giampietro	Albert Giampietro-17	Cumberland	Algae, Macrophytes	Eutrophic	1987 Phase I		non attainment
Greenwich	Greenwich Lake-18	Gloucester	Algae	Eutrophic	1989 LWQA/Water		insufficient data
Greenwood	Greenwood Lake-03	Passaic	Macrophytes	Eutrophic	1992 Phase II		non attainment
Grenloch	Grenlock Lake-18	Gloucester	Algae, Total Phosphorus	Eutrophic	1992 LWQA/Water		non attainment
Haddon	Haddon Lake-18	Camden	Total Phosphorus	Eutrophic	1985 LWQA/Water		insufficient data
Hammonton	Hammonton Lake-14	Atlantic	Macrophytes	Eutrophic	1991 Phase II		non attainment
Harrisonville	Harrisonville Lake-18	Gloucester	Macrophytes, Total Phosphorus	Eutrophic	1992 LWQA/Water		non attainment
Harrisville Pond	Harrisville Lake-14	Burlington	Macrophytes, Total Phosphorus	Eutrophic	1992 LWQA/Water		insufficient data
Hooks Creek	Hooks Creek Lake-12	Middlesex	Macrophytes	Eutrophic	1992 LWQA/Water		non attainment
Hopatcong	Lake Hopatcong-01	Morris	Macrophytes, Algae	Eutrophic	1989 Phase II		non attainment

Table II - 21. Eutrophic Status Summary for Lakes

NAME	GIS NAME	COUNTY	TROPHIC INDICATOR	TROPHIC STATUS	REPORT	COMMENTS	ASSESSMENT
Imlaystown	Imlaystown Lake-20	Monmouth	Macrophytes, Total Phosphorus	Eutrophic	1983 NJLMP		non attainment
Indian Mills	Indian Mills Lake-14	Burlington	Algae	Eutrophic	1989 LWQA/Water		insufficient data
Iona	Iona Lake-17	Gloucester	Macrophytes	Eutrophic	1989 LWQA/Water		insufficient data
Kirkwood	Kirkwood Lake-18	Camden	Algae, Total Phosphorus	Eutrophic	1983 NJLMP		non attainment
Laurel	Laurel Lake 1-17	Camden	Algae	Eutrophic	1988 LWQA/Water		insufficient data
Lenape	Lenape Lake-15	Atlantic	Algae	Eutrophic	1988 LWQA/Water		insufficient data
Lily	Lily Lake-15	Cape May	Algae, Macrophytes	Eutrophic	1983 NJLMP		non attainment
Lincoln Park Lake	Lincoln Park Lake-05	Hudson	Algae, Total Phosphorus	Eutrophic	1983 NLJMP		non attainment
Lower Sylvan	Lower Sylvan Lake-20	Burlington	Algae, Total Phosphorus	Eutrophic	1994 Phase II		List 4
Mac's Pond		Monmouth	Algae	Eutrophic	1989 LWQA/Water		insufficient data
Malaga	Malaga Lake-17	Gloucester	Macrophytes, Algae	Eutrophic	1992 LWQA/Water		insufficient data
Manahawkin	Manahawkin Lake-13	Ocean	Macrophytes	Eutrophic	1983 NJLMP	recreational use restored	full attainment
Manalapan	Manalapan Lake-09	Middlesex	Macrophytes, Algae	Eutrophic	1983 NJLMP		non attainment
Marcia	Marcia Lake-01	Sussex	Total Phosphorus	Eutrophic	1991 LWQA/Water		insufficient data
Mary Elmer	Mary Elmer Lake-17	Cumberland	Algae, Macrophytes	Eutrophic	1983 NJLMP		non attainment
Memorial	Memorial Lake-17	Salem	Algae, Total Phosphorus	Eutrophic	1983 NJLMP		non attainment
Menantico Pond	Menantico Lake-17	Cumberland	Total Phosphorus	Eutrophic	1992 LWQA/Water		insufficient data
Mercer County Park	Mercer Co. Park Lake-11	Mercer	Algae	Eutrophic	1989 LWQA/Water		insufficient data
Mirror	Mirror Lake-19	Burlington	Algae	Eutrophic	1988 LWQA/Water		insufficient data
Mt. Hope Pond	Mount Hope Pond-06	Morris	Algae, Macrophytes	Eutrophic	1989 LWQA/Water		insufficient data
Musconetcong	Musconetcong Lake-01	Sussex	Macrophytes, Algae	Eutrophic	1993 Phase I		non attainment
Narriticon	Narriticon Lake-18	Gloucester	Algae	Eutrophic	1989 LWQA/Water		insufficient data
New Brooklyn	New Brooklyn Lake-15	Camden	Algae, Macrophytes	Eutrophic	1983 NJLMP		non attainment
New Market	New Market Pond-09	Middlesex	Algae, Macrophytes	Eutrophic	1988 LWQA/Water		insufficient data

Table II - 21. Eutrophic Status Summary for Lakes

NAME	GIS NAME	COUNTY	TROPHIC INDICATOR	TROPHIC STATUS	REPORT	COMMENTS	ASSESSMENT
North Hudson Park	North Hudson Park Lake-05	Hudson	Algae, Total Phosphorus	Eutrophic	1983 NJLMP	Phase II Project Completed in 1984. Maximum depth restored to seventeen feet. Nuisance algal populations greatly decreased. but nutrient levels remain high.	non attainment
Nummi	Lake Nummy-16	Cape May	Macrophytes	Eutrophic	1989 LWQA/Water		insufficient data
Oakford	Oakford Lake-20	Ocean	Algae, Total Phosphorus	Eutrophic	1991 LWQA/Water		insufficient data
Oswego	Oswego Lake-14	Burlington	Macrophytes	Eutrophic	1992 LWQA/Water		insufficient data
Overpeck	Overpeck Creek-05	Bergen	Algae, Total Phosphorus	Eutrophic	1983 NJLMP		non attainment
Pakim	Pakim Pond-19	Burlington	Algae	Eutrophic	1991 LWQA/Water		insufficient data
Parvin	Parvin Lake-17	Salem	Algae, Total Phosphorus	Eutrophic	1992 LWQA/Water		insufficient data
Presidential	Presidential Lakes-19	Burlington	Algae	Eutrophic	1989 LWQA/Water		insufficient data
Prospertown	Prospertown Lake-20	Ocean	Total Phosphorus	Eutrophic	1988 LWQA/Water		insufficient data
Rainbow	Rainbow Lake-17	Salem	Algae, Total Phosphorus	Eutrophic	1979 Intensive		insufficient data
Rising Sun	Rising Sun-11	Monmouth	Algae	Eutrophic	1991 LWQA/Water		insufficient data
Rosedale	Rosedale Lake-10	Mercer	Algae	Eutrophic	1989 LWQA/Water		insufficient data
Round Valley Rec Area	Round Valley Reservoir Recreation Area-08	Hunterdon	Macrophytes, Algae	Eutrophic	1991 LWQA/Water		non attainment
Sawmill	Sawmill Pond-01	Sussex	Macrophytes, Algae	Eutrophic	1992 LWQA/Water		insufficient data
Saxton	Saxton Lake-01	Morris	Macrophytes	Eutrophic	1988 LWQA/Water		insufficient data
Shaws Mill	Shaws Mill Pond-17	Cumberland	Macrophytes	Eutrophic	1991 LWQA/Water		insufficient data
Shenandoah	Lake Shennadoah-13	Ocean	Macrophytes, Algae	Eutrophic	1992 LWQA/Water		insufficient data
Shepherd	Sheppard Pond-03	Passaic	Algae, Macrophytes	Eutrophic	1989 LWQA/Water		insufficient data
Silver Lake	Silver Lake-12	Monmouth	Algae, Macrophytes	Eutrophic	1991 LWQA/Water		insufficient data
Smithville	Smithville Lake-19	Burlington	Algae, Macrophytes	Eutrophic	1989 LWQA/Water		insufficient data
Spring	Spring Lake-12	Monmouth	Algae, Macrophytes	Eutrophic	1983 NJLMP		non attainment
Spring Lake	Spring Lake-20	Mercer	Macrophytes, Algae	Eutrophic	1983 NJLMP		non attainment
Steenykill	Steenykill Lake-01	Sussex	Macrophytes, Total Phosphorus	Eutrophic	1992 LWQA/Water		insufficient data
Stockton State(Fred)	Stockton State-14	Atlantic	Algae, Macrophytes	Eutrophic	1988 LWQA/Water		insufficient data

Table II - 21. Eutrophic Status Summary for Lakes

NAME	GIS NAME	COUNTY	TROPHIC INDICATOR	TROPHIC STATUS	REPORT	COMMENTS	ASSESSMENT
Stone Tavern	Stone Tavern-11	Monmouth	Algae, Total Phosphorus	Eutrophic	1992 LWQA/Water		insufficient data
Stony	Stony lake-01	Sussex	Macrophytes, Total Phosphorus	Eutrophic	1992 LWQA/Water		insufficient data
Strawbridge	Strawbridge Lake-18	Burlington	Algae, Total Phosphorus	Eutrophic	1983 NJLMP		List 4
Success	Success Lake-13	Ocean	Macrophytes	Eutrophic	1992 LWQA/Water		insufficient data
Sunrise	Sunrise Lake-06	Morris	Algae	Eutrophic	1988 LWQA/Water		insufficient data
Sunset	Sunset Lake-17	Cumberland	Algae, Total Phosphorus	Eutrophic	1983 NJLMP		non attainment
Surprise	Surprise Lake-03	Union	Macrophytes, Total Phosphorus	Eutrophic	1988 LWQA/Water		insufficient data
Swartswood	Swartswood Lake-01	Sussex	Algae, Macrophytes	Eutrophic	1988 LWQA/Water		non attainment
Thundergust	Thundergust Lake-17	Salem	Algae	Eutrophic	1991 LWQA/Water		insufficient data
Topanemus	Topanemus Lake-09	Monmouth	Macrophytes, Algae	Eutrophic	1983 NJLMP		non attainment
Tuckahoe	Tuckahoe Lake-15	Cape May	N/A	Mesotrophic	1992 LWQA/Water		full attainment
Turkey Swamp	Turkey Swamp-12	Monmouth	Algae	Eutrophic	1988 LWQA/Water		insufficient data
Turnmill	Turnmill Lake-13	Ocean		Mesotrophic	1991 LWQA/Water		full attainment
Upper Sylvan	Upper Sylvan Lake-20	Burlington	Algae, Total Phosphorus	Mesotrophic	1994 Phase II		List 4
Verona Park	Verona Lake-04	Essex	Algae, Total Phosphorus	Eutrophic	1983 NJLMP		non attainment
Watchung	Watchung Lake-09	Somerset	Algae, Macrophytes	Eutrophic	1988 LWQA/Water		insufficient data
Wawayanda	Wawayanda Lake-02	Sussex	Macrophytes	Eutrophic	1991 LWQA/Water		insufficient data
Weamaconk	Weamaconk Lake-09	Monmouth	Macrophytes, Total Phosphorus	Eutrophic	1993 Phase I		non attainment
Weequahic	Weequahic Lake-07	Essex	Algae, Total Phosphorus	Eutrophic	1989 Phase II	Phase II Project Completed in 1989. Erosion problems around lakeshore corrected; water quality still highly eutrophic.	non attainment
Wells Mill	Wells Mill Reservoir-13	Ocean	Macrophytes	Eutrophic	1988 LWQA/Water		insufficient data
Wilson	Wilson Lake-17	Gloucester	Algae, Macrophytes	Eutrophic	1988 LWQA/Water		insufficient data
Woodbury	Woodbury Lake-18	Gloucester	Algae, Total Phosphorus	Eutrophic	1983 NJLMP		non attainment
Wreck	Wreck Pond-12	Monmouth	Algae	Eutrophic	1988 LWQA/Water		non attainment