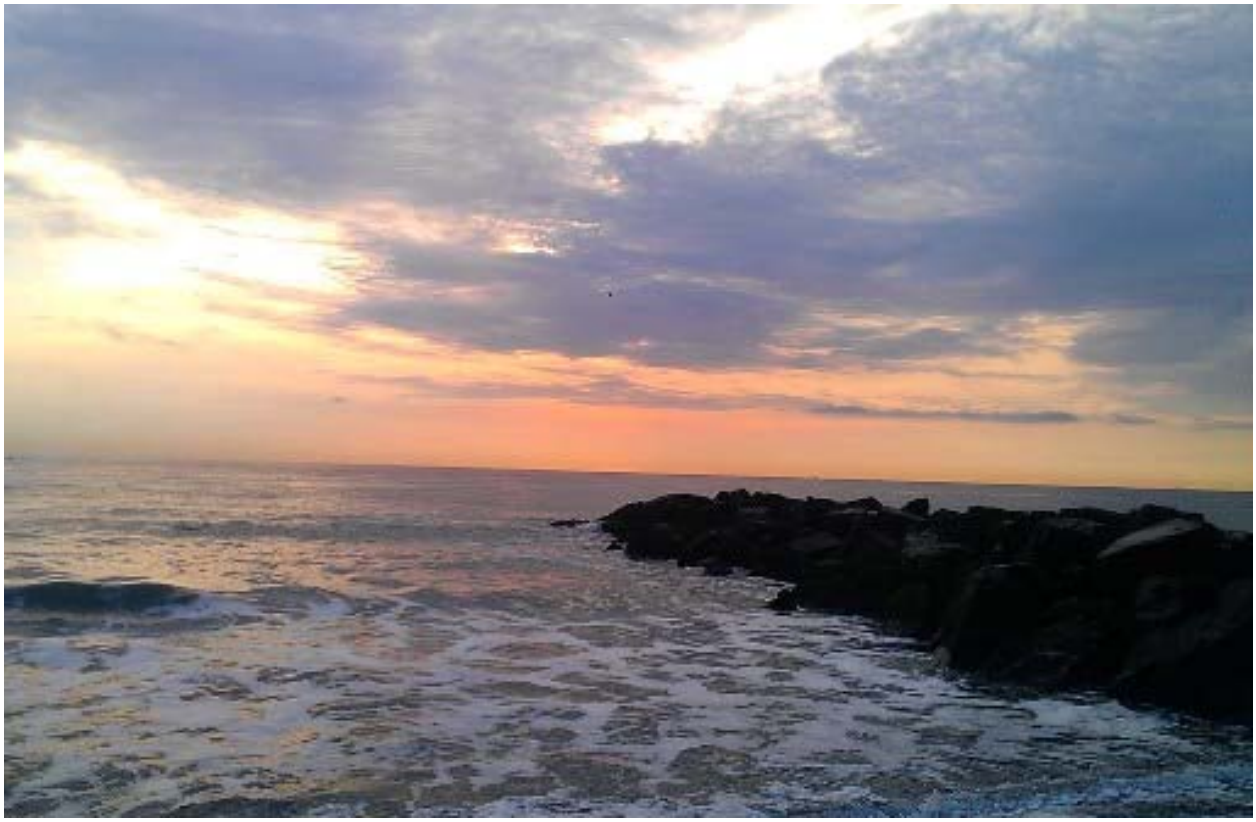
New Jersey Department of Environmental Protection
Division of Water Monitoring and Standards
Bureau of Environmental Analysis, Restoration and Standards

2014 New Jersey Integrated Water Quality Assessment Report



Atlantic Ocean at Rock Jetty, Long Branch, New Jersey
Photo: Courtesy of Jon Dugan (AmeriCorps NJ Watershed Ambassador)

Draft
December 2015

Acknowledgements

Statewide water quality monitoring and assessment requires the participation and expertise of many individuals. The Division of Water Monitoring and Standards gratefully acknowledges all who participated in the completion of this report. The Bureau of Environmental Analysis, Restoration and Standards (BEARS) Water Quality Assessment Team prepared this report under the direction of Pat Gardner, Director, Division of Water Monitoring Standards; Barbara Hirst, Bureau Chief, and Kimberly Cenno, Section Chief.

Water Quality Assessment Team

Kevin Berry	Leigh Lager
Sandra Cohen	Gigi Mallepalle
Danielle Donkersloot	Paul Morton
Ariane Giudicelli	Jennifer Noblejas
Biswarup Guha	Helen Pang
Patricia Ingelido	Jack Pflaumer
Frank Klapinski	Aynan Zaman

Table of Contents

- Changes in Designated Use Assessment Results from 2012 IR

- **Appendix B: Causes of Use Non-support (Water Quality Impairment)**
  - 2014 Draft 303(d) List of Water Quality Limited Waters (303(d) List) with Sublist 5 Subpart and Priority Ranking for TMDL Development
  - 2014 Draft Two-Year Schedule for Total Maximum Daily Load (TMDL) Development
  - Source(s) of Parameter(s) Causing Use Impairment (Sublists 4 and 5)

- **Appendix C: Causes Removed from Sublists 4 or 5**
  - 2014 Draft Causes Removed from Sublist 4 (with Reasons and Explanations)
  - 2014 Draft Causes Removed from Sublist 5/303(d) List (Delisted Waters, with Reasons and Explanations)

- **Appendix D: Causes Not Added to Sublist 5/303(d)**
  - 2014 Draft Decisions to Not List Causes on the 2014 303(d) List/Sublist 5 (Waters Not Listed, with Reasons and Explanations)
  - Justification for pH Not Listed Due to Natural Conditions

- **Appendix E**: Data Sources for the 2014 Integrated Report

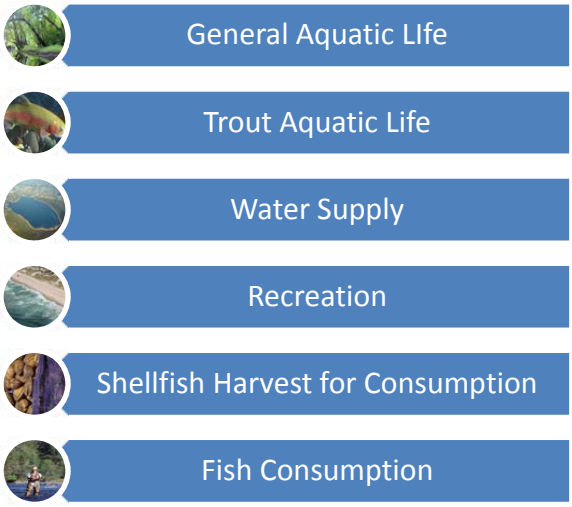
- **Appendix F: Ground Water Quality Monitoring Results**
  - Ambient Ground Water Quality Monitoring Network (1999-2008)
  - New Jersey Private Well Testing Results

New Jersey Department of Environmental Protection
Division of Water Monitoring and Standards
Bureau of Environmental Analysis, Restoration and Standards

Executive Summary

The 2014 Integrated Report launches a comprehensive, regional approach to water quality assessment that supports identification of specific causes and sources, and the development of management measures, tailored to the unique circumstances of one of New Jersey's five Water Regions each assessment cycle. This approach is needed to identify and manage all the sources contributing to water quality impairment (including point and nonpoint sources of pollution), land use planning, and other resource management tools. Public participation and local commitment to a common goal of water quality restoration is needed to achieve fully supported uses in all waters of the State. The Barnegat Bay Initiative served as a pilot for this approach, which has been expanded to the entire Atlantic Coastal Region (ACR) for this Integrated Report. Subsequent Integrated Reports will focus on different Water Regions, resulting in a comprehensive assessment of the entire state every 10 years.

Use assessment results for the ACR's 293 assessment units (AUs) showed that water quality is generally better in the ACR than water quality statewide. Both statewide and ACR assessment results showed that public water supply and recreation uses had the highest percentage of use support; moreover, the relative percentage of all AUs fully supporting applicable designated uses was generally higher in the ACR.



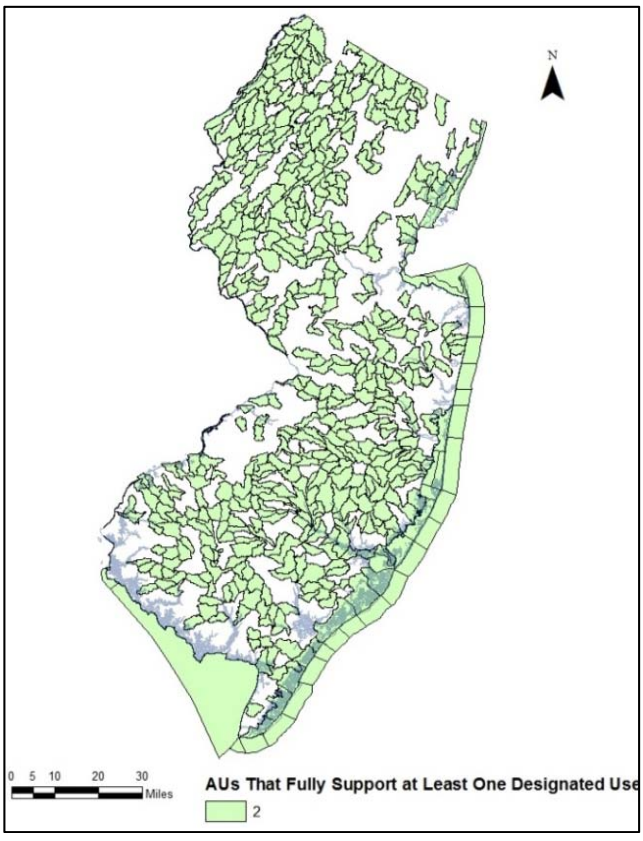
This report provides the information about New Jersey's water resources, current water quality conditions, and causes and sources of water quality impairment, needed to inform and guide water quality monitoring, restoration and protection efforts conducted at the state, regional, watershed and local levels. The information provided in this report is also used by Congress, the U.S. Environmental Protection Agency (USEPA), and the State of New Jersey to establish program priorities and funding for restoring, maintaining, enhancing and protecting waters of the State and the uses and benefits (public health, environmental, and economic) they provide.

The comprehensive regional assessment also allowed for consideration of results from nearby sampling stations and historical data to confirm current water quality conditions. Restoration activities that were associated with improved water quality were identified. Natural conditions were thoroughly investigated, such as low pH conditions in waters surrounding the Pinelands

Reserve and pH-influenced low dissolved oxygen levels within the Pinelands. Potential pollutant sources were also identified, specifically in impaired waters that had minimal development or point sources, such as within the Pinelands and other less developed watersheds. The final result of the comprehensive assessment of the ACR was an increase in the number of thorough, validated, high confidence assessment decisions regarding ambient water quality conditions, identification of data gaps to guide future water quality sampling, the identification sources of impairment on which to focus restoration activities, and the identification of new water quality issues for future investigation.

The Integrated Report summarizes results of both short-term and long-term water quality analysis. The bulk of the water quality data assessed for this report was generated during a five-year period, from January 1, 2008 through December 31, 2012. Such data provides a "snapshot" of water quality conditions over a relatively short period of time and also provides an overview of water quality conditions on a statewide basis; however, results vary every two years to meet the federally-required reporting cycle. Long-term monitoring data, including certain ambient chemical data, macroinvertebrate data, and fish population studies, provide a better indication of changes in water quality over time.

Figure ES-1: AUs Fully Supporting One or More Uses



Current water quality assessment results show that 55% of New Jersey's 958 AUs fully support at least one designated use (Figure ES-1). A summary of statewide use assessment results is provided in Figure ES-2. The spatial extent and cause of use impairment varies across the State; however, both short and long-term data show correlations between use impairment, particularly aquatic life uses (Figure ES-2), and density of development. The Atlantic Coastal Region has the highest amount of fully supported designated uses of the New Jersey's five Water Regions, followed by the Lower Delaware and Northwest Regions. Raritan and Northeast Water Regions have the lowest amount of fully supported uses (Figure ES-3).

Figure ES-2: Statewide Designated Use Assessment Results, 2014

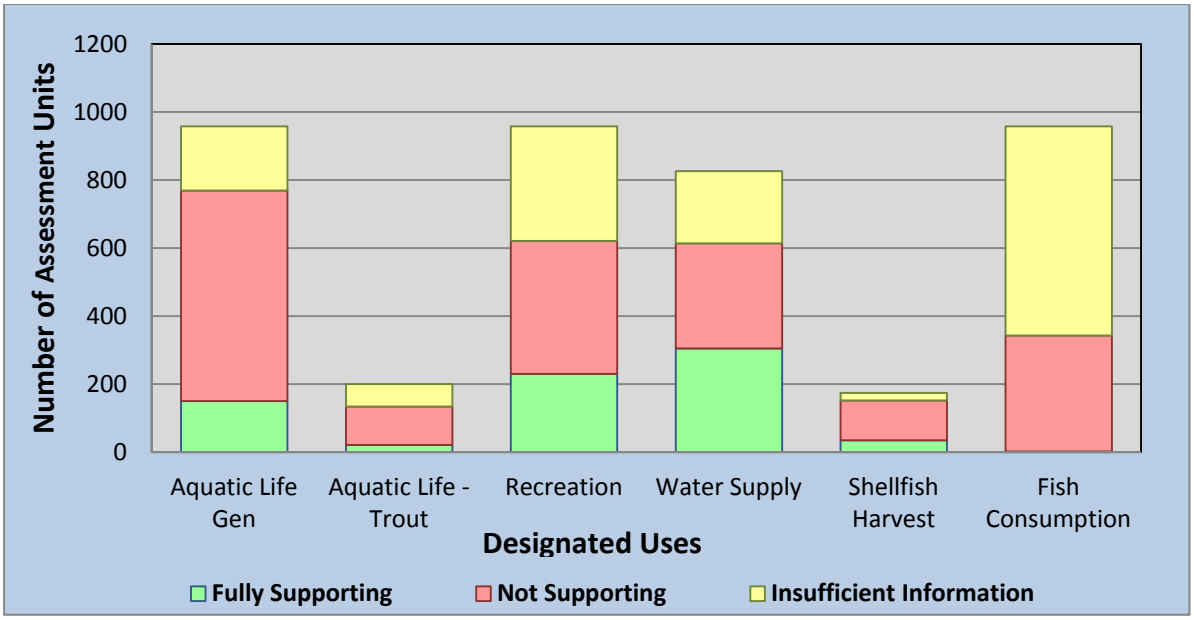
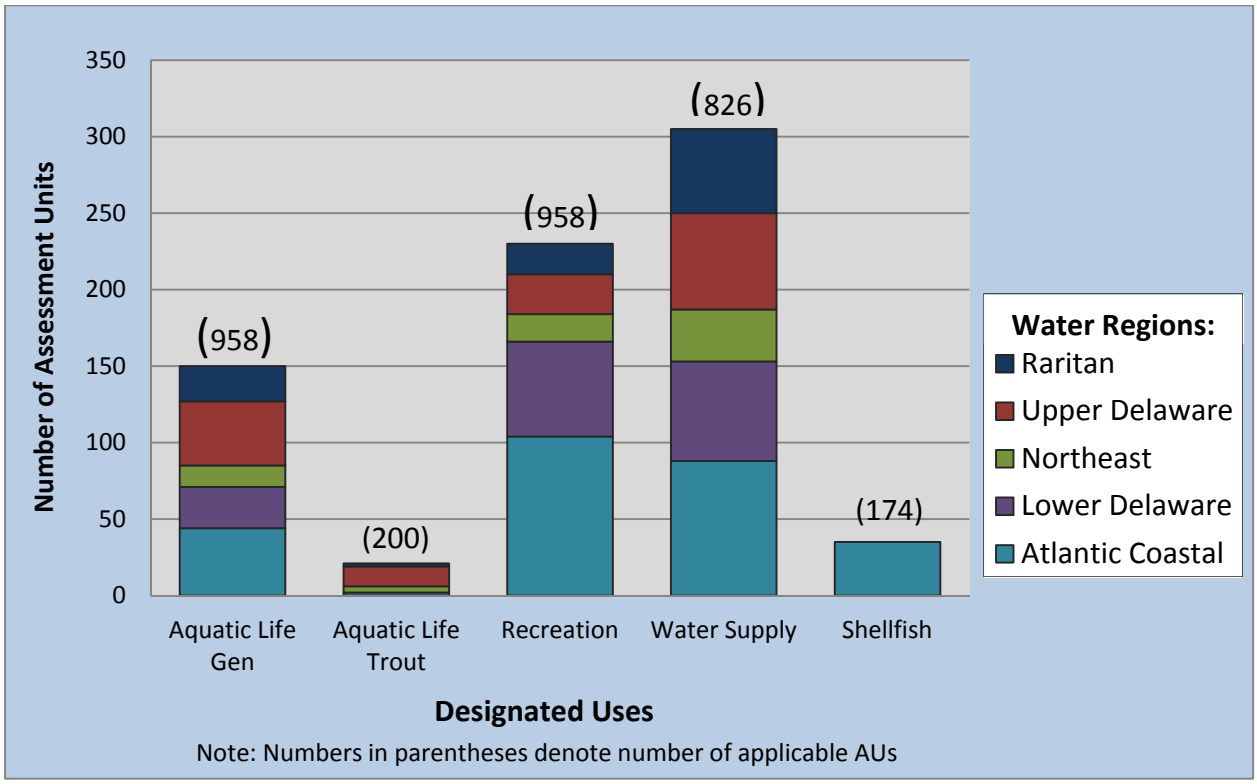


Figure ES-3: Number of AUs Fully Supporting Designated Uses, by Water Region

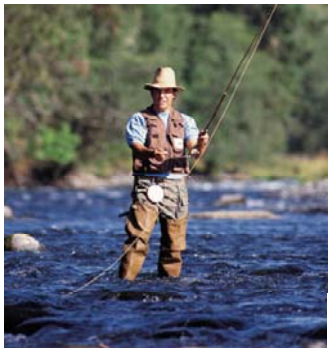


Water Supply: Thirty-seven percent of waters designated for the drinking water supply use fully support the use, 37% do not support the use and 26% have insufficient information to assess the use. All New Jersey freshwater streams and lakes are designated for potential use as drinking water supply; however, most of the waters that do not support this use are not used for drinking water purposes. Arsenic is the predominant cause of water supply use impairment; however, many of these impairments are due to naturally-occurring concentrations of arsenic.

Recreation: All waters of the State are designated for recreational use (e.g., swimming, boating). Most recreation occurs in ocean bathing beaches. All of New Jersey's ocean bathing beaches are fully swimmable. Twenty-four percent of all New Jersey waters, including lakes, ponds, rivers, and streams, fully support the recreational use, 41 percent do not support the use, and 35 percent have insufficient information. The Department has addressed pathogens (fecal coliform, *E. coli*, *Enterococcus*) through development of total maximum daily loads (TMDLs), as a regulatory response for most of these impairments.

Aquatic Life: All waters of the State are designated for general aquatic life use and 80 percent have been assessed for this use. Sixteen percent of State waters fully support the general aquatic life use, 64 percent do not support the use, and 20 percent have insufficient information to assess the use. Ten percent of waters designated for the trout aquatic life use fully support this use, 57 percent do not support this use, and 33 percent have insufficient information. Nutrient-related parameters, particularly total phosphorus (TP), are the primary cause of general aquatic life use impairment. Over 100 TP TMDLs have been established to date. Temperature is the primary cause of trout use impairment.

Shellfish Harvest for Consumption: Almost ninety percent of shellfish waters are classified as harvestable. Harvestable waters include: approved with no restrictions, seasonal harvest, and special restrictions. Only shellfish waters approved with no restrictions are considered to be fully supporting the designated use. Twenty percent of New Jersey's shellfish waters fully support this use; 67 percent do not support this use, and 13 percent have insufficient information. Total coliform is the cause of shellfish use impairment but TMDLs have been developed for most of the impaired shellfish waters.



Fish Consumption: All New Jersey waters are designated for fish consumption. A very small percentage (<0.5 percent) of waters fully support the fish consumption use, 36 percent do not support the use, and sixty-four percent have insufficient information. The Department issues both statewide and waterbody-specific fish consumption advisories for impaired waters. Specific consumption levels are recommended for the general population and for high-risk groups including infants, children, pregnant or nursing mothers, and women of childbearing age**.** Bioacumulative toxic pollutants are the cause of use impairment; however, many of these pollutants are no longer being manufactured and are considered to be "legacy" pollutants, such as DDT and its metabolites.

Water quality trend analyses conducted using data collected as far back as 1975 indicate that overall water quality has generally improved since the mid 1970's, particularly with respect to total phosphorus and total nitrogen (nutrients). This improvement is most likely due to the upgrade and regionalization of wastewater treatment plants that occurred throughout the State in the late 1980's through the early 1990's, as well as improved treatment for nutrients in New Jersey Pollution Discharge Elimination System (NJPDES) permits, implementation of Section 319(h) nonpoint source pollution control projects, and stewardship activities at the local level aimed at reducing nonpoint source of pollution.

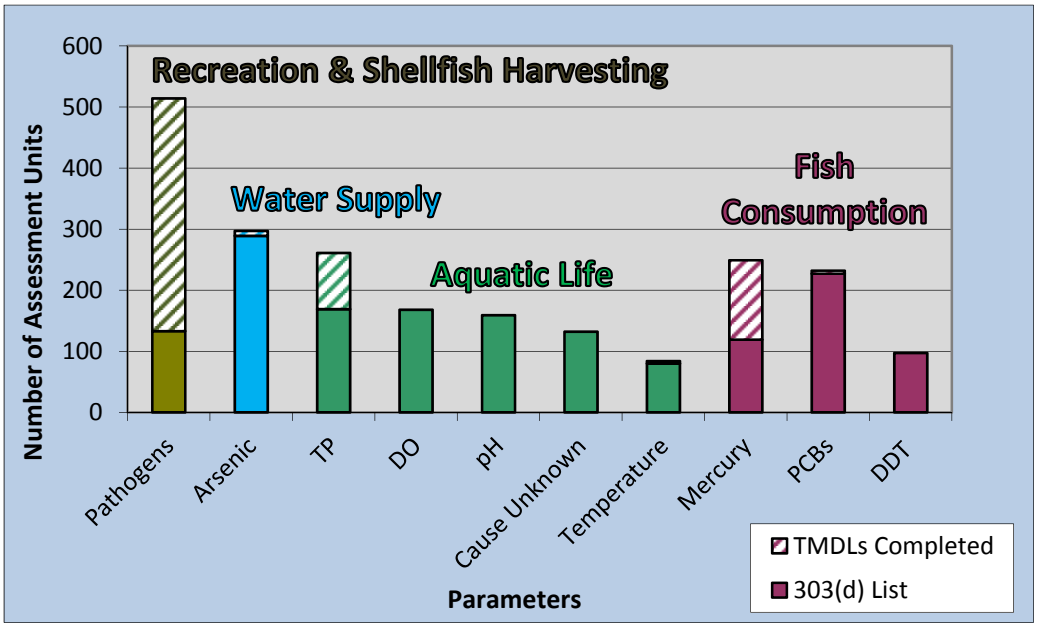
Photo courtesy of the USDA NRCS

Declining water quality trends for nitrate, total dissolved solids (TDS) and chlorides were also observed. Ammonia reduction measures implemented at waste treatment plants oxidize ammonia to form nitrate, resulting in increased nitrate concentrations over time. Runoff from urban and agricultural areas, including runoff of salt used to control ice on roadways, are the likely cause of increased TDS and chloride concentrations over time.

Biological trends analysis shows a correlation between biological impairment and anthropogenic factors such as land use, total urban land, total upstream wastewater flow, increase in impervious surface, and decrease in forests and wetlands in a stream's drainage basin. Biological data for fish communities also showed a correlation between impairment and human activity, such as increased impervious cover, siltation, and increased run-off from stormwater outfalls.

The 303(d) List identifies pollutant causes of water quality impairment that require TMDL development. The 2014 303(d) List identifies 40 different causes of impairment for a total of 1,944 assessment unit (AU)/pollutant combinations (some AUs are impaired by multiple causes). Causes already covered by an approved TMDL are identified on Sublist 4 of the Integrated List. Of all causes of water quality impairment, five of the top ten are associated with the aquatic life use, including total phosphorus (TP). TMDLs have been established for 74% of the pathogens, 56% of the mercury, and 35% of the TP causing use impairment.

Figure ES-4: 2014 Top Ten Causes of Use Impairment[1]



Over 120 AU/pollutant combinations were delisted from the 2014 303(d) List for various reasons (see Section 2.2). Forty-five percent of these delistings were due to water quality improvement. Another 44 AU/pollutant combinations previously covered by a TMDL are meeting water quality criteria.

Controlling TP and other nutrient-related parameters is one of New Jersey's top priorities. Studies show that the impact of nutrients on water quality is strongly influenced by other environmental factors such as sunlight availability, stream velocity and water clarity. The Department has developed a Nutrient Criteria Enhancement Plan (NCEP) that explains the Department's approach to developing and enhancing the existing nutrient criteria and policies to protect designated uses of all New Jersey's surface waters. The Barnegat Bay, which is the subject of the Governor's 10-Point Action Plan, is identified as a priority for estuarine criteria

[1] Aquatic life use impairment is attributed to "cause unknown" when biological data shows impairment but chemical data is either unavailable or does not exceed applicable water quality standards; therefore, the pollutant cause of aquatic life use impairment is unknown (see 2014 Methods Document, available on the Department's Web site at http://www.state.nj.us/dep/wms/bears/2014_integrated_report.htm).

development in the NCEP, in order to meet Item 7 of the Action Plan: "Adopt more rigorous water quality standards" for nutrients in the Barnegat Bay.

Photo courtesy of the USDA Natural Resources Conservation Service

The Department has also approved seventeen Watershed Restoration and Protection Plans, also referred to as Watershed Based Plans (WBPs), developed under the Department's Section 319(h) NPS control grant program. WBPs identify causes and sources of pollution, estimate pollutant loading and the expected load reductions, develop management measures that will achieve load reductions, identify resources and authority needed to implement the management measures, and monitor and track implementation and water quality improvement.

The Department administers numerous programs to restore, maintain, and enhance water quality (Chapter 4). These programs include regulatory and non-regulatory water pollution control programs along with pollution prevention through education, outreach and stewardship programs for volunteer and community groups. These community-based programs have removed 1,930 tons of debris from waterways, beaches, greenways and roads. Watershed cleanup efforts in Barnegat Bay, Raritan River, Great Falls, and Brigantine involved almost 20,000 volunteers who collected over 11,000 bags of litter and 34 tons of recyclables across 131 miles in 2014 alone, along with collection of over 8,000 tires illegally disposed on public property. The Department's Clean Shores Program uses inmates from state correctional facilities to remove wood and garbage from tidal shorelines. Cleaning up these wastes helps prevents marine debris from washing up on recreational ocean bathing beaches. This program has removed over 125 million pounds of debris from New Jersey beaches since its inception in 1989.

The success of the Department's water quality management programs is supported by the results of the water quality trends analysis, which shows improving and stabilizing conditions over time (Chapter 3). These improvements are the result of significant financial investment, including millions of dollars in grants awarded for water quality planning, restoration, land acquisition, and wastewater facility infrastructure improvements, operations, and maintenance (Chapter 6). Over the past 25 years, more than $6 billion dollars has been financed through the NJ Environmental Infrastructure Financing Program to upgrade wastewater treatment facilities, reduce infiltration/inflow, control discharges from Combined Sewer Overflows (CSOs), construct sludge handling facilities, improve stormwater runoff, and close landfills. Public entities continue to collectively spend well over $1 billion per year to provide clean water for public and ecological health - money that is generated through local taxes and user fees. These investments have generated tangible results - increased beach days, trout waters, and shellfish harvests – that yield economic benefits for the entire State.

New Jersey is the fifth smallest and most densely populated state in the Nation. It is also one of the most geologically and hydrogeologically diverse states, with over 18,000 miles of rivers and streams; over 50,000 acres of lakes, ponds, and reservoirs; 950,000 acres of wetlands; 260 square miles of estuaries; 127 miles of coastline; and over 450 square miles of ocean under its

jurisdiction. The combination of population density, diversity of natural resources, and a wide range of industries and land uses presents unique challenges to protecting New Jersey's water resources and these uses.

New Jersey's surface waters provide much of the water used for public drinking water, as well for recreation, fish consumption and shellfish harvesting for consumption; yet most of the State's streams, lakes, ponds, bays, ground waters and ocean waters are impacted to some degree by both point and nonpoint sources of pollution. Protecting and restoring our water resources from such impacts has a direct and positive impact on the State's economy, particularly dollars generated by tourism, including recreational boating, swimming, and fishing, as well as from commercial fisheries, including shellfish, and the seafood industry. The New Jersey Department of Environmental Protection (Department) estimates that the economic value of New Jersey's aquatic ecosystems at more than 19 billion dollars[2].

The full 2014 Integrated Report is available on the Department's website at http://www.state.nj.us/dep/wms/bears/assessment.htm along with other related documents and information.

[2] NJDEP. Valuing New Jersey's Natural Capital: An Assessment of the Economic Value of the State's Natural Resources. April 2007. http://www.nj.gov/dep/dsr/naturalcap. Table 7.1 is based on data from Table 4 of Part II this report. Dollar amounts were converted from 2004 to 2009 dollars using the change in the Consumer Price Index for All Urban Consumers published by the U.S. Department of Labor's Bureau of Labor Statistics at http://www.bls.gov/cpi/.

Chapter 1: Introduction

New Jersey is the fifth smallest and most densely populated state in the Nation and is one of the most geologically and hydrogeologically diverse. New Jersey has a variety of surface waterbody types that range from intermittent streams to large river systems (a significant number of which are tidally influenced); acres of lakes, ponds, and reservoirs; and miles of estuarine and coastal (ocean) waters. Wetlands are found near most surface waterbodies, both freshwater and saltwater. New Jersey's surface water systems are located in a wide variety of geologic settings, from the glaciated regions of northern New Jersey to the coastal plain of southern New Jersey, and include ecologically unique and/or protected areas such as the Pinelands and the Highlands regions[3]. This combination of population density, diversity of natural resources, and a wide range of industries and land uses presents unique challenges in protecting New Jersey's water resources.

Table 1: New Jersey Population, Area, and Water Resources[4]

Resource	Extent
State Population (2010) [5]	8,791,894
State Total Area (square miles)	8,204
State Total Land Area (square miles)	7,505
Rivers and Streams:	
Miles of nontidal rivers and streams	11,702
Miles of tidal rivers and streams	6,424
Miles of rivers and streams (total)	18,126
Border miles shared rivers/streams (nontidal and tidal)	197
Lakes, Ponds and Reservoirs;	
Number of named lakes and ponds	1,747
Acres of named lakes and ponds	37,834
Number of Reservoirs	43
Acres of Reservoirs	14,970
Total Acres of named lakes and ponds and reservoirs	52,804
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	260
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
Total Acres of Wetlands	948,429

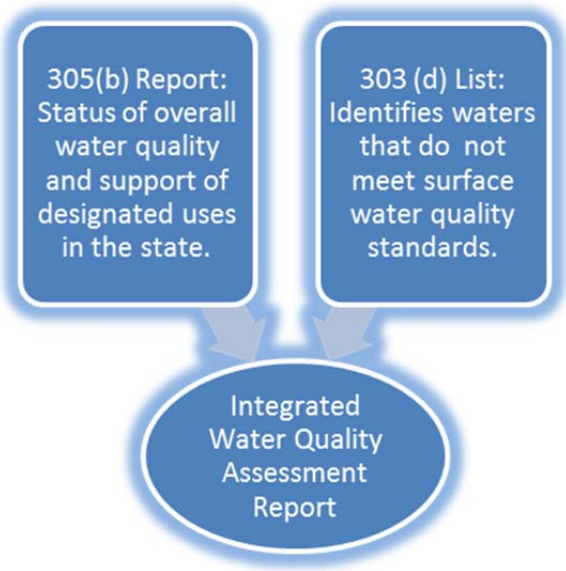
[3]NJDEP. Site Remediation Program. "Characterization of Contaminated Ground Water Discharge to Surface Water Technical Guidance – DRAFT". June 2015. Trenton, New Jersey. p.3.

[4]The spatial extents shown in this table are calculated from the Department's GIS coverages for the applicable water resource, including streams, surface water quality classification, water bodies, and wetlands (2002).

[5]State of New Jersey Department of Labor and Workforce Development. http://lwd.dol.state.nj.us/labor/lpa/dmograph/Demographics_Index.html.

Water quality standards, monitoring, and assessment provide the scientific foundation for the protection of New Jersey's water resources and implementation of the federal Clean Water Act, the New Jersey Water Quality Planning Act, and the New Jersey Water Pollution Control Act. The federal Clean Water Act mandates that states submit biennial reports to the U.S. Environmental Protection Agency (USEPA) describing the quality of their waters. Section 305(b) requires submission of a biennial water quality inventory (305(b) Report) that assesses overall water quality and support of designate uses of all principal waters, as well as strategies to maintain and improve water quality.

The 305(b) Reports are used by Congress and USEPA to establish program priorities and funding for federal and state water resource management programs. Section 303(d) requires submission of a biennial list of water quality-limited waters (303(d) List), which identifies waters that are not supporting designated uses because they do not meet surface water quality standards despite the implementation of technology-based effluent limits. States must prioritize waters on the 303(d) List for development of Total Maximum Daily Load (TMDL) analyses or alternative approaches and identify those high priority waters on the 303(d) List for which they anticipate establishing TMDLs in the next two years. These separate requirements were integrated in 2002 to produce one biennial report: the Integrated Water Quality Assessment Report (Integrated Report).

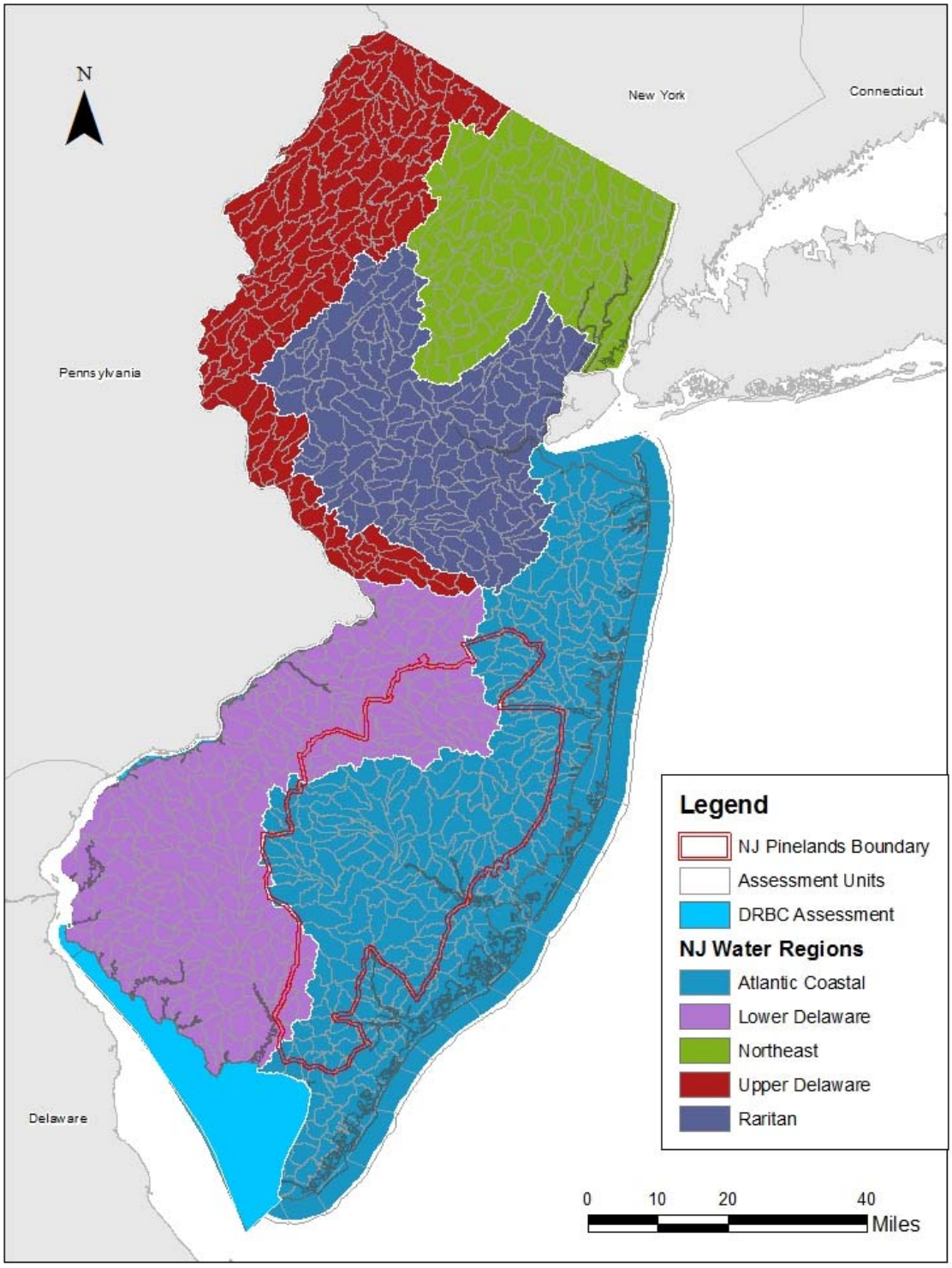


The Integrated Report presents New Jersey's water quality assessment results on an assessment unit level. Assessment units (AUs) represent the scale at which waters of the State are grouped for assessment purposes. New Jersey's 958 AUs are delineated based on the U.S. Geological Survey (USGS) 14-digit Hydrologic Unit Code (HUC) boundaries, except for waters of the Barnegat Bay Estuary and the Delaware River, and are grouped within five Water Regions (see Figure 1.1). The Department's 2013 study of the Barnegat Bay[6] resulted in a new delineation of assessment units that better reflect water quality response to stressors impacting the Estuary. The intra-state waters of the Delaware River are assessed by the Delaware River Basin Commission (DRBC) based on their configuration of river "zones".[7]

[6] NJDEP. Assessment of Designated Use Support within Barnegat Bay. New Jersey Department of Environmental Protection. Trenton, NJ. June 2014. Available on NJDEP's Web site at http://www.state.nj.us/dep/barnegatbay/docs/barnegat_bay_interim_assessment_06_26_2014.pdf.

[7] DRBC. 2014 Delaware River and Bay Water Quality Assessment. Delaware River Basin Commission. West Trenton, NJ. August 2014. Available on DRBC's Web site at http://www.state.nj.us/drbc/library/documents/WQAssessmentReport2014.pdf.

Figure 1.1: New Jersey's Assessment Unit and Water Region Boundaries, 2014



1.1: Overview of New Jersey's Surface Water Quality Standards, Monitoring, and Assessment

Water quality standards, monitoring, and assessment provide the scientific foundation for protecting and restoring New Jersey's water resources. As outlined below, these programs serve to direct and support the Department's efforts to restore and protect New Jersey's waters. These programs are explained in more detail, along with other water quality programs, in Chapter 4.

New Jersey's surface water quality standards (SWQS) establish stream classifications and antidegradation designations for all surface waters of the State. The stream classifications reflect the designated uses assigned to individual surface waters. The SWQS also specify the water quality criteria that correspond with the stream classifications and which are necessary to achieve the designated uses. Designated uses of New Jersey waters include public water supply, aquatic life, recreation, fish consumption, and shellfish harvest for consumption (see the SWQS rules at http://www.nj.gov/dep/rules/rules/njac7_9b.pdf).

Water quality monitoring supports the Department's efforts in developing and refining water quality standards, reporting on water quality conditions, listing impaired waters, issuing and enforcing discharge permits, managing nonpoint sources, protecting good quality waters, setting priorities for water quality management, tracking changes in water quality over time, and evaluating the effectiveness of restoration and protection actions in achieving the federal Clean Water Act goal to "restore and maintain the chemical, physical and biological integrity of the Nation's waters". The Department operates the primary water quality monitoring networks for the State of New Jersey, which are described in detail in the Department's Long Term Monitoring Strategy (see http://www.state.nj.us/dep/wms/longtermstrategyreport.pdf) and Bureau Web sites (see http://www.state.nj.us/dep/wms/bfbm/ and http://www.state.nj.us/dep/wms/bmw/). These networks employ multiple techniques including collection of physical/chemical data in surface water; collection of chemical data in ground water; biological monitoring, such as benthic macroinvertebrates and fish assemblage surveys and habitat assessment; and pollutant source tracking in the coastal and freshwater environment (e.g., illicit discharges, stormwater, marinas). While the majority of water quality data used for assessment is generated by the Department, various monitoring organizations and other partners collect relevant data. These include federal and county government agencies, regional commissions (e.g., Pinelands Commission) watershed associations and other voluntary citizen monitoring, and discharger associations.

The 2014 Integrated Report describes the overall quality of New Jersey's surface waters based on existing, readily available data collected generally between January 1, 2008 and December 31, 2012. The Department compiles data available from various public data repositories and evaluates it to verify that the data meets the Department's data quality requirements. Data is then assessed using scientific methods developed specifically for the applicable type of parameter, designated use, and waterbody to determine compliance with New Jersey's surface water quality standards (SWQS). These methods are described in detail in the 2014 Methods Document (http://www.state.nj.us/dep/wms/bears/2014_draft_methods.pdf).

Parameters are assessed as attaining or not attaining the applicable SWQS for each station for which there is sufficient data. Data from all stations located within each assessment unit is assessed collectively to determine if the applicable deisgnated uses are fully supported, not supported, or if there is insufficient information to assess the use. AUs assessed as "not supporting" a designated use include use impairment caused by a pollutant that is covered by an approved TMDL but has not yet attained the applicable water quality standards necessary to fully support the use. Pollutants that require TMDL development are placed on the 303(d) List.

The 2014 303(d) List contains three new subparts to address water quality impairment: Sublist 5A (Arsenic Naturally Occurring) identifies AUs where arsenic does not attain standards, but concentrations are below those demonstrated to be from naturally occurring conditions; Sublist 5L (Legacy pollutants) identifies AUs where designated use impairment is caused by a "legacy" pollutant that is no longer actively discharged by a point source; and Sublist 5R (watershed restoration) identifies AUs for water quality impairment is not effectively addressed by TMDL, such as nonpoint source pollution that will be controlled under an approved watershed restoration plan or 319(h) Watershed Based Plan. Development of a watershed restoration plan can be an effective alternative to a formal TMDL to characterize pollutant sources, the reductions needed to attain standards, and the means to achieve the reductions. The new structure of the 2014 303(d) List and the rationale for each subpart is explained in detail in the 2014 Methods Document.

The 2014 Integrated Report was generated based on enhanced assessment methods that consider multiple water resource concerns, using a wide array of watershed information and water chemistry, physical, and biological data to produce a robust assessment of environmental conditions affecting water quality in the Atlantic Coastal Region, one of New Jersey's five Water Regions. Each subsequent assessment cycle will focus on another water region under a rotating basin approach that will result in a comprehensive assessment of the entire state every 10 years. The new regional assessment approach is explained below.

1.2: Comprehensive Regional Assessment Using a Rotating Basin Approach

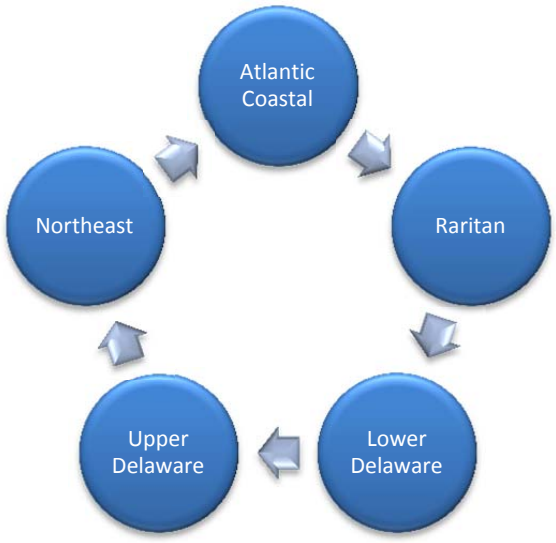
The Department initiated the Barnegat Bay Ten-Point Action Plan in 2010 as a model for regional water quality assessment and restoration.[8] This approach encourages the development of measures to restore, maintain, and enhance water quality uses tailored to address an issue or a region. Measures developed are designed to maximize effectiveness and efficiency in achieving positive environmental outcomes. This approach is consistent with USEPA guidance related to strategies and priorities for water quality restoration, "A Long-Term Vision for Assessment, Restoration, and Protection under the Clean Water Act Section 303(d) Program".[9]
To advance this approach, the Department refined its assessment methods for the 2012 Integrated Report to include an in-depth analysis of any changes in assessment outcomes from the prior cycle. This more comprehensive assessment was used to confirm water quality conditions by considering

[8] NJDEP. Governor Christie's Comprehensive Action Plan to Address the Ecological Decline of the Barnegat Bay – One Year Update. New Jersey Department of Environmental Protection. Trenton, NJ. December 2011. Available on the Department's Web site at http://www.nj.gov/dep/barnegatbay/docs/bb_yr1_final_low.pdf.
[9] USEPA. New Vision for the CWA 303(d) Program. December 2013. http://www.epa.gov/tmdl/new-vision-cwa-303d-program-updated-framework-implementing-cwa-303d-program-responsibilities.

water chemistry, physical, and biological data along with other factors such as hydrology, geology, land use, habitat, and other relevant environmental considerations. This allowed the Department to address multiple water resource concerns based on an assessment of the specific environmental conditions affecting the focus areas. Beginning with the 2014 cycle, this approach was enhanced to include a thorough evaluation of the broader set of factors. Assessment decisions in the Atlantic Coastal Region were based on multiple lines of evidence to confirm water quality conditions, including water quality monitoring data and other factors including hydrology, geology, land use, biological habitat conditions, meteorology, restoration activities, point and nonpoint sources, use designation, stream classification, and other environmental considerations relevant to determining overall water quality, resulting in a high degree of confidence in the assessment decisions. Better assessment decisions helps ensure that restoration strategies are focused on real water quality problems and their sources.

The Department plans to apply this methodology to one of New Jersey's five water regions, Atlantic Coastal, Raritan, Lower Delaware, Upper Delaware and Northeast (see Figure 1.1) each cycle, beginning with the Atlantic Coastal Region. This "rotating basin approach" (Figure 1.2) will produce a comprehensive assessment of the entire state every ten years. This approach will support development of measures to restore, maintain, and enhance water quality uses that maximize effectiveness and efficiency in achieving positive environmental outcomes that are tailored to the unique circumstances of each region. This new approach is explained in more detail in the 2014 Methods Document and is similar to those employed by other states, such as New York State's Rotating Integrated Basin Studies program (see http://www.dec.ny.gov/chemical/30951.html). The Department is planning to address the Raritan Water Region in the 2016 cycle.

Figure 1.2: New Jersey's Water Regions Rotating Basin Approach



Chapter 2: Results of the 2014 Integrated Water Quality Assessment

The 2014 Integrated Water Quality Assessment was conducted using readily available chemical and biological monitoring data collected generally between 2008 through 2012, which was compiled and assessed in accordance with the 2014 Methods Document (see http://www.state.nj.us/dep/wms/bears/2014_draft_methods.pdf). The data were used to assess designated use support for all waters of the State and to identify pollutants causing designated use impairment. The use assessment results for each of New Jersey's 958 assessment units (AUs)[10] are presented in the 2014 Integrated List of Waters (Integrated List)[11], which is included in Appendix A of this report. Appendix A also a table of changes to designated use assessment results from the 2012 Integrated Report. The pollutant causes of use impairment in each AU are identified in Sublist 5 of the Integrated List, which also serves as the 2014 303(d) List of Water Quality Limited Waters (303(d) List) and is included in Appendix B. The 2014 303(d) List also includes the priority ranking for TMDL development, the listing station and cycle, the Sublist 5 subpart (where applicable) and the priority ranking for TMDL development. Appendix B also includes the sources of parameters causing use impairment and a table of TMDLs to be developed over the next two years. Causes removed from the 303(d) List and from Sublist 4 are included in Appendix C along with corresponding reasons and explanations. Decisions to not list causes on the 303(d) List is included in Appendix D, along with a detailed justification for not listing certain waters for naturally-occurring pH. Data sources used to support the 2014 Integrated Water Quality Assessment are identified in Appendix E.

The results presented in these appendices are summarized in Section 2.1 and 2.2. Section 2.1 focuses on use assessment results as well as the most frequent pollutants overall and those associated with impairment of each designated use. Section 2.2 summarizes key differences in the assessment results for the 2014 Integrated List compared to prior cycles. Specifically, Section 2.2 explains the new listings and new delistings as well as the top five causes that were added to or removed from Sublist 4 of the Integrated List.

Extensive water quality data collected as part of the Governor Christie's Comprehensive Action Plan to Address the Ecological Decline of Barnegat Bay enabled the Department to conduct a comprehensive regional assessment of the Atlantic Coastal Region, which served as the pilot for the Department's new rotating basin approach. Comprehensive assessment results for the Atlantic Coastal Region are summarized in Section 2.3.

[10] New Jersey's waters are grouped for assessment purposes into hydrologically connected assessment units (AUs), most of which are based on United States Geological Survey (USGS) 14-digit Hydrologic Unit Code (HUC) boundaries. HUCs are geographic areas representing part or all of a surface drainage basin or distinct hydrologic feature as delineated by USGS in cooperation with the National Resources Conservation Service (NRCS). AUs containing the Barnegat Bay Estuary are delineated based on hydrologic and water quality data and modeling into 9 AUs that more accurately reflect conditions within the bay. Shared waters of the Delaware River mainstem, Estuary, and Bay are assessed based on the eight Delaware River AUs delineated by the Delaware River Basin Commission (DRBC), which is responsible for assessing those intra-state waters.

[11] Formerly referred to as the "Status of Designated Uses by Subwatershed Report", "Statewide Water Quality Inventory Report", or "305(b) Report" in previous Integrated Reports.

2.1: Current Statewide Water Quality Conditions

The 2014 Integrated List (Appendix A) contains the use assessment results for New Jersey's 958 AUs. Each AU is assessed by the Department to determine if the applicable designated uses are fully supported, not supported, or not assessed due to insufficient information. Statewide use assessment results show that 55% of New Jersey's 958 AUs fully support at least one designated use (Figure 2.0A).

Figure 2.0A: AUs That Fully Support One Or More Designated Uses

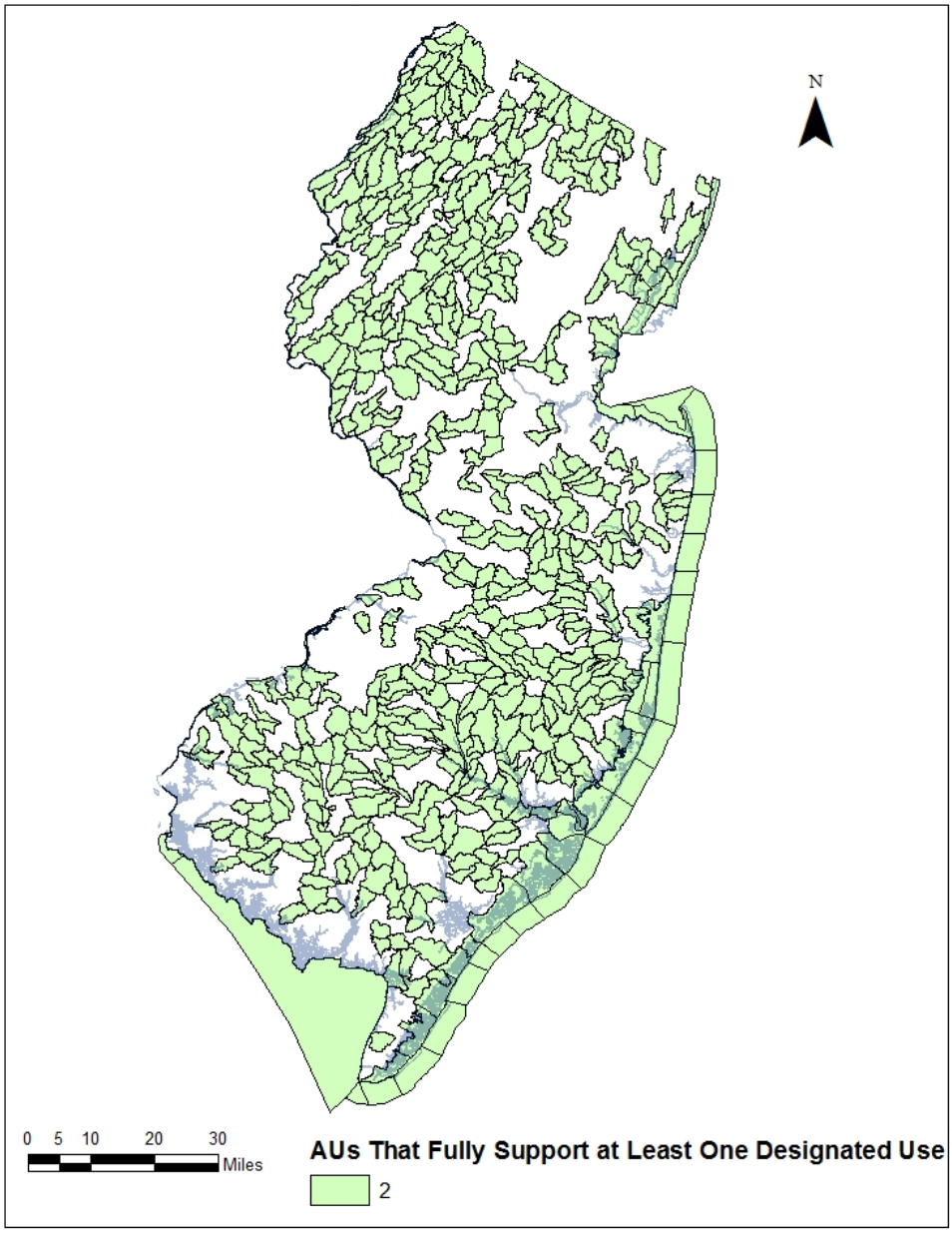
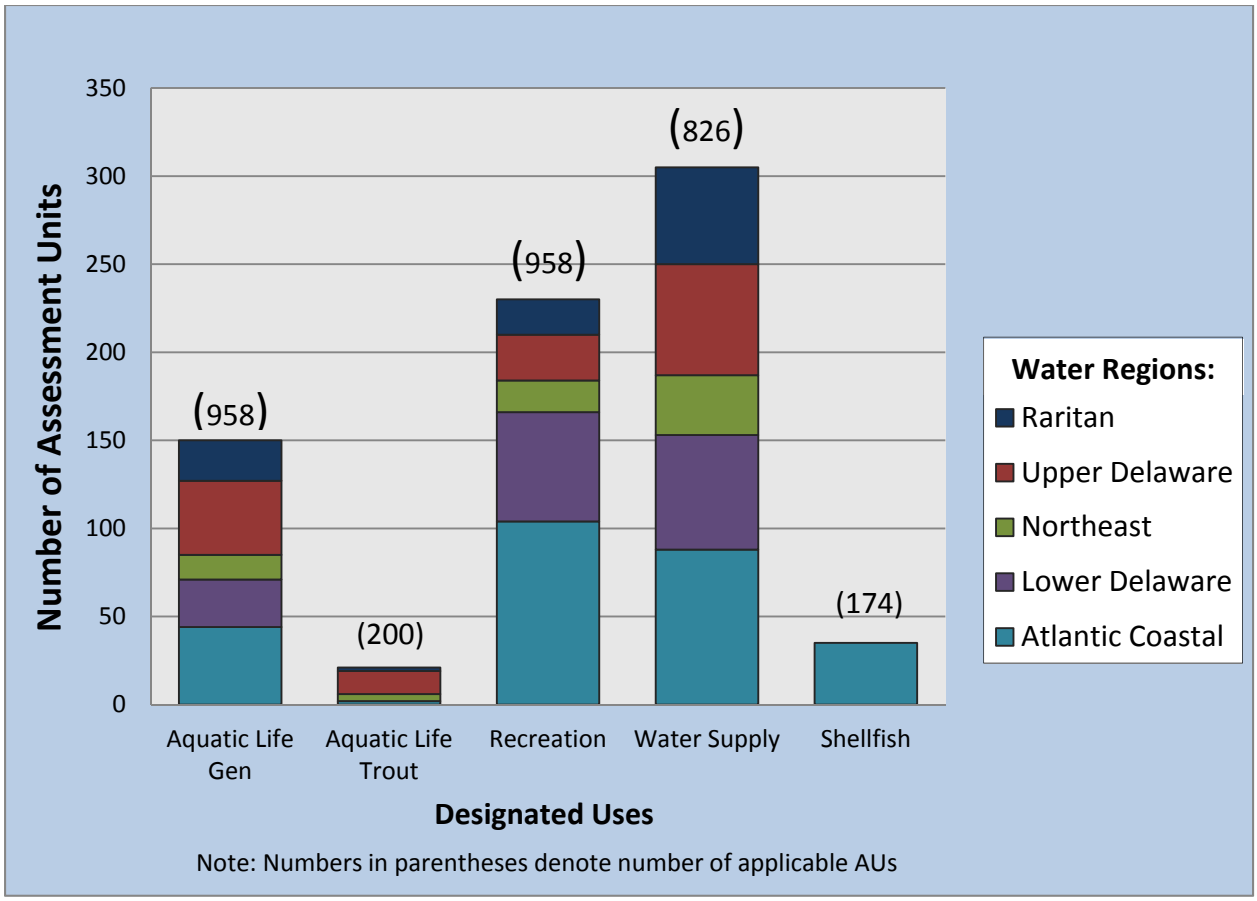


Figure 2.0B shows the number of AUs that fully support applicable designated uses in each Water Region. The Atlantic Coastal Region has the highest amount of fully supported designated uses (273 AU/use combinations) of the New Jersey's Water Regions, followed by Lower Delaware (154), Northwest (144), Raritan (100), and Northeast (70).

Figure 2.0B: Number of AUs Fully Supporting Designated Uses, by Water Region

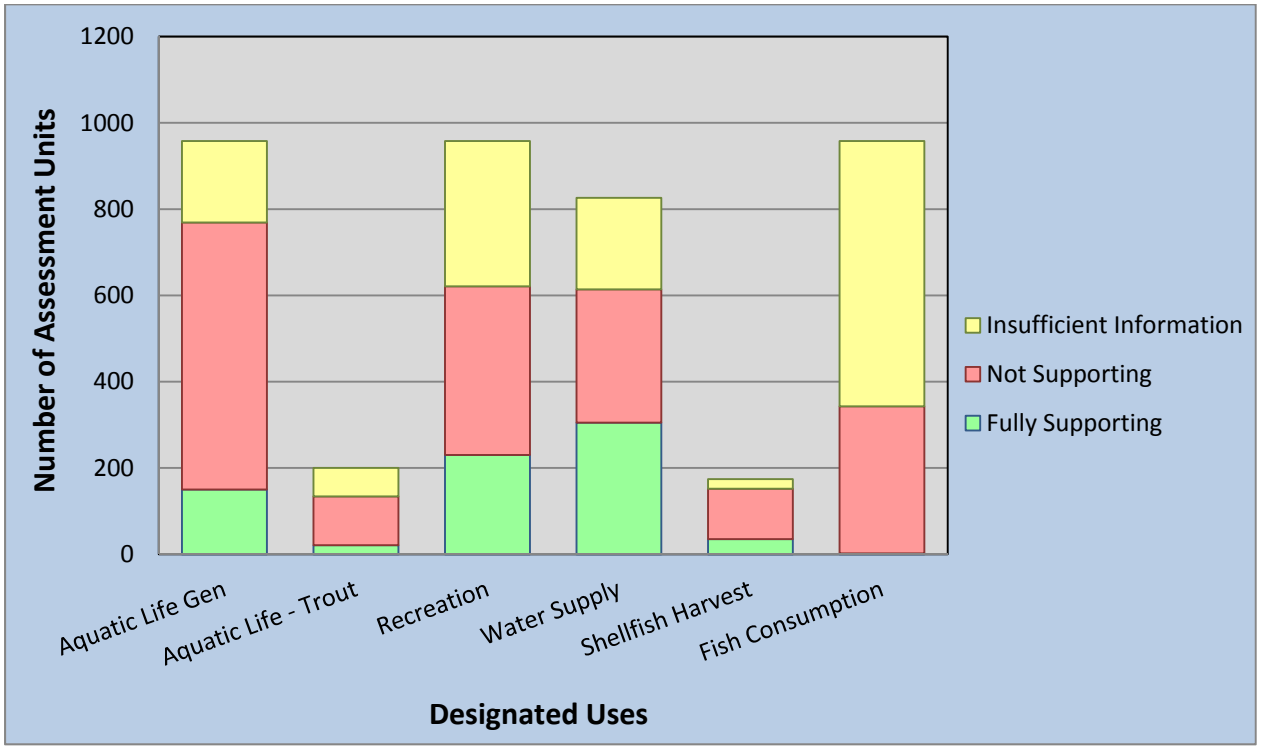


A summary of statewide use assessment results is provided in Table 2.0 and Figure 2.0C. The water supply use has the highest percentage of use support (37%), followed by the recreation use (24%). The fish consumption use has the lowest percentage of use support (>1%). However, it should be noted that a significant percentage of AUs for which these three uses apply lack sufficient data to make an assessment decision. The general aquatic life use has the highest percentage of AUs with sufficient data for use assessment (80%). For this designated use, 16% of AUs fully support the use. Shellfish and aquatic life–trout designated uses apply to a relatively small number of AUs. Shellfish is fully supported in 20% of applicable AUs, while the aquatic life trout use is fully supported in 10% of applicable AUs.

Table 2.0: 2014 Statewide Designated Use Assessment Results (Number and Percent of AUs)

Designated Use	Aquatic Life Gen		Aquatic Life - Trout		Recreation		Water Supply		Shellfish Harvest		Fish Consumption	
Fully Supporting	150	16%	21	10%	230	24%	305	37%	35	20%	2	0%
Not Supporting	619	64%	113	57%	391	41%	309	37%	117	67%	341	36%
Insufficient Information	189	20%	66	33%	337	35%	212	26%	22	13%	615	64%
Total AUs Applicable	**958**		**200**		**958**		**826**		**174**		**958**	

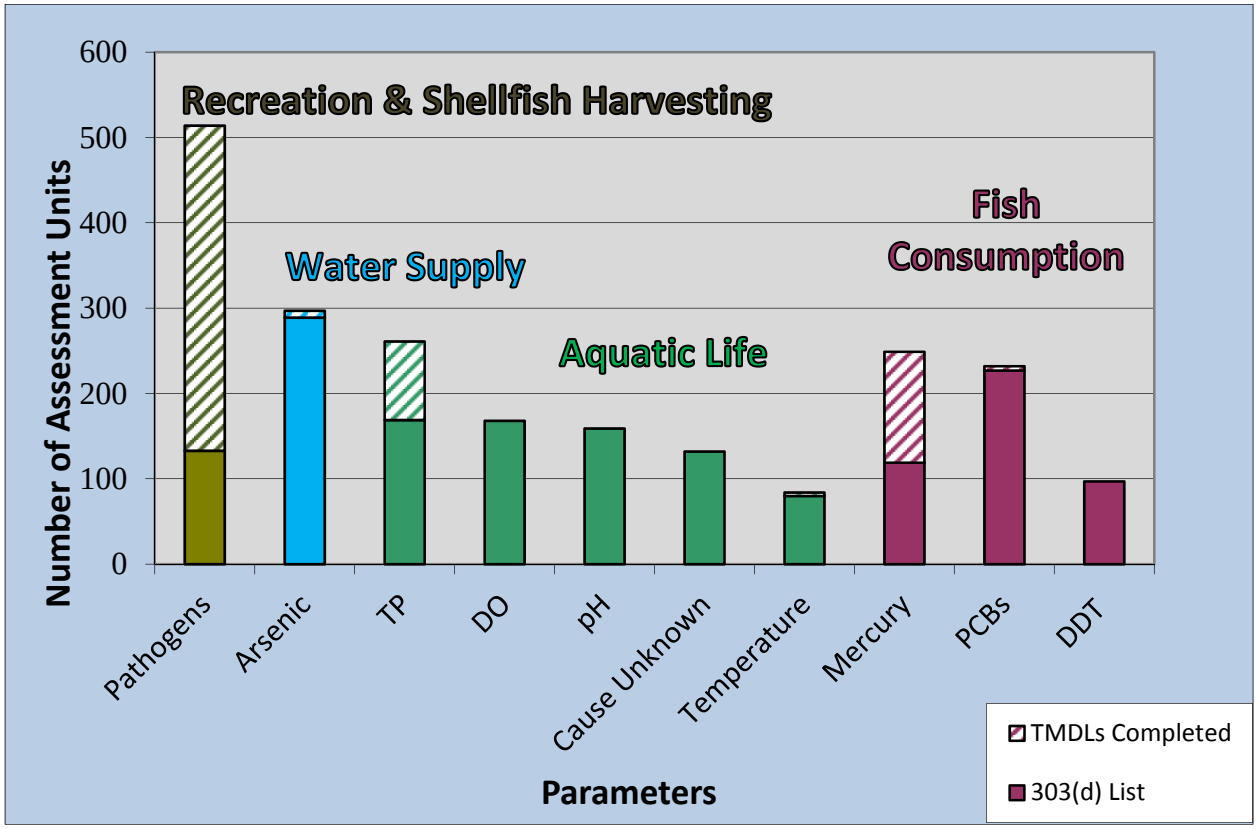
Figure 2.0C: 2014 Statewide Designated Use Assessment Results



AUs assessed as "not supporting" a designated use include those that are impaired by pollutant causes that are not covered by an approved total maximum daily load (TMDL) and are placed on the 303(d) List, as well as those that are covered by an approved TMDL but have not yet attained the applicable water quality standards necessary to fully support the use, which are identified on Sublist 4 of the Integrated List (Attachment B). The 2014 303(d) List identifies 40 different causes of impairment, for a total of 1,944 assessment unit (AU)/pollutant combinations. (Note: some AUs are impaired by multiple causes.) The most frequent causes of impairment or "designated use non-support" are shown in Figure 2.1 and are associated with the recreation, aquatic life, fish consumption, and water supply designated uses.

Figure 2.1 shows that pathogens (*E. coli*, *Enterococcus*, and total coliform are the most frequent cause of water quality impairment statewide and are associated with the recreational and shellfish harvest uses. Most (74%) of these impairments are already covered under an approved TMDL. Arsenic is the second most frequent cause of water quality impairment statewide and is associated with the water supply use. A number of these impairments are attributed to natural conditions but must still be categorized as impaired. Mercury in fish tissue is the most frequent cause of fish consumption use non-support. Approximately half of all mercury impairments are caused by air deposition and are covered by the Statewide Mercury TMDL.

Figure 2.1: Top Ten Causes of Water Quality Impairment



These results reflect an increase in the number of impaired waters in New Jersey compared to previous reporting cycles; however, direct comparison between listing cycles as an indicator of water quality trends is problematic. In each listing cycle, there have been changes that affect the assessment universe and protocols for assessment decisions. For example, assessed areas were defined as stream segments, which kept changing as new waters were sampled. Drainage areas became the basis for assessment, which provided a degree of uniformity from cycle to cycle, although there have been refinements to this universe. Additionally, increases in the areas sampled, improved detection limits for measuring pollutants, improved sampling techniques, improved equipment technology, and more rigorous assessment procedures have all contributed to changes in the number of possible assessment decisions or the assessment outcomes over time. Longer term trends, discussed in Chapter 3, are helpful in providing context for overall water

quality status.

The most obvious change since 2012 is the addition of temperature to the Top Ten Causes of Water Quality Impairment. The number of AUs impaired for temperature increased by 40% in 2014, resulting in 34 new listings on the 2014 303(d) List. Significant increases in impairment caused by pH and dissolved oxygen (25% and 19%, respectively) also resulted in a high number of new 303(d) listings (44 and 32, respectively). Many of these additional impairments and listings are attributed to the increased availability of continuous monitoring data. Continuous monitoring is capable of identifying impairments that occur during the diurnal cycle and are not discernable under discrete "grab" sampling that occurs once a day, usually in the morning. Biological impairment also increased by 33 (26%) and is attributed to "cause unknown".[12] Four of the new listings for cause unknown are not based on new data showing biological impairment; rather, they are replacements for pollutant causes that no longer exceed applicable water quality standards even though biology remains impaired.

Another change from the 2012 Integrated List is the creation of three new subparts of Sublist 5: Sublist 5A (arsenic naturally occurring), Sublist 5L (legacy pollutants), and Sublist 5R (watershed restoration. Sublist 5 is still used to identify pollutants causing use impairment where those pollutants are generated by active anthropogenic sources that are subject to regulation under TMDLs and discharge permit limits pursuant to the federal Clean Water Act (CWA)[13]. The three new subparts identify pollutants that are no longer actively produced, are not anthropogenic, or are primarily generated by sources not regulated under the CWA.

- Sublist 5A includes AUs where arsenic does not attain standards, but the levels are below those demonstrated to be from naturally occurring conditions. Because arsenic criteria are human health based, EPA does not allow the SWQS provision of "naturally occurring" to supersede the established criteria. Nevertheless, because the source of the non-attainment is natural geology, development of TMDLs is not an effective response.

- Sublist 5L includes AUs where designated use non-support is caused by a "legacy" pollutant that is no longer being discharged by a point source but which persists in the environment, for example, PCBs, dioxins, DDT, or other substances already banned from production or use. It also includes waters impaired by contaminated sediments where no additional extrinsic load occurs. For these water segments, development of a TMDL is not the most effective response because there is no controllable load from a CWA regulated source.

- Sublist 5R is used to recognize that not all impaired waterbodies are most effectively addressed through a TMDL. For example, where impairment can be attributed primarily to nonpoint sources, which is not subject to regulation under the CWA, and regulated

[12] Aquatic life use impairment is attributed to "cause unknown" when biological data shows impairment but chemical data is either unavailable or does not exceed applicable water quality standards; therefore, the pollutant cause of aquatic life use impairment is unknown (see 2014 Methods Document, available on the Department's Web site at http://www.state.nj.us/dep/wms/bears/2014_integrated_report.htm).

[13] See Section 4.2: Water Pollution Control-Regulatory Programs

stormwater, which is most effectively addressed through source control, a watershed based restoration plan may be the most effective means to address the impairment[14].

USEPA has established requirements for Watershed Based Plans (WBPs) under the Section 319(h) Nonpoint Source Pollution Control Grant Program that require nine key elements critical for achieving improvements in water quality. Systematic implementation of WBPs is an effective means to restore water quality in watersheds with minimal impact from typical CWA-regulated sources. Seventy-two AU/pollutant combinations were placed on Sublist 5R (see Figure 2.1A) based on the following considerations:

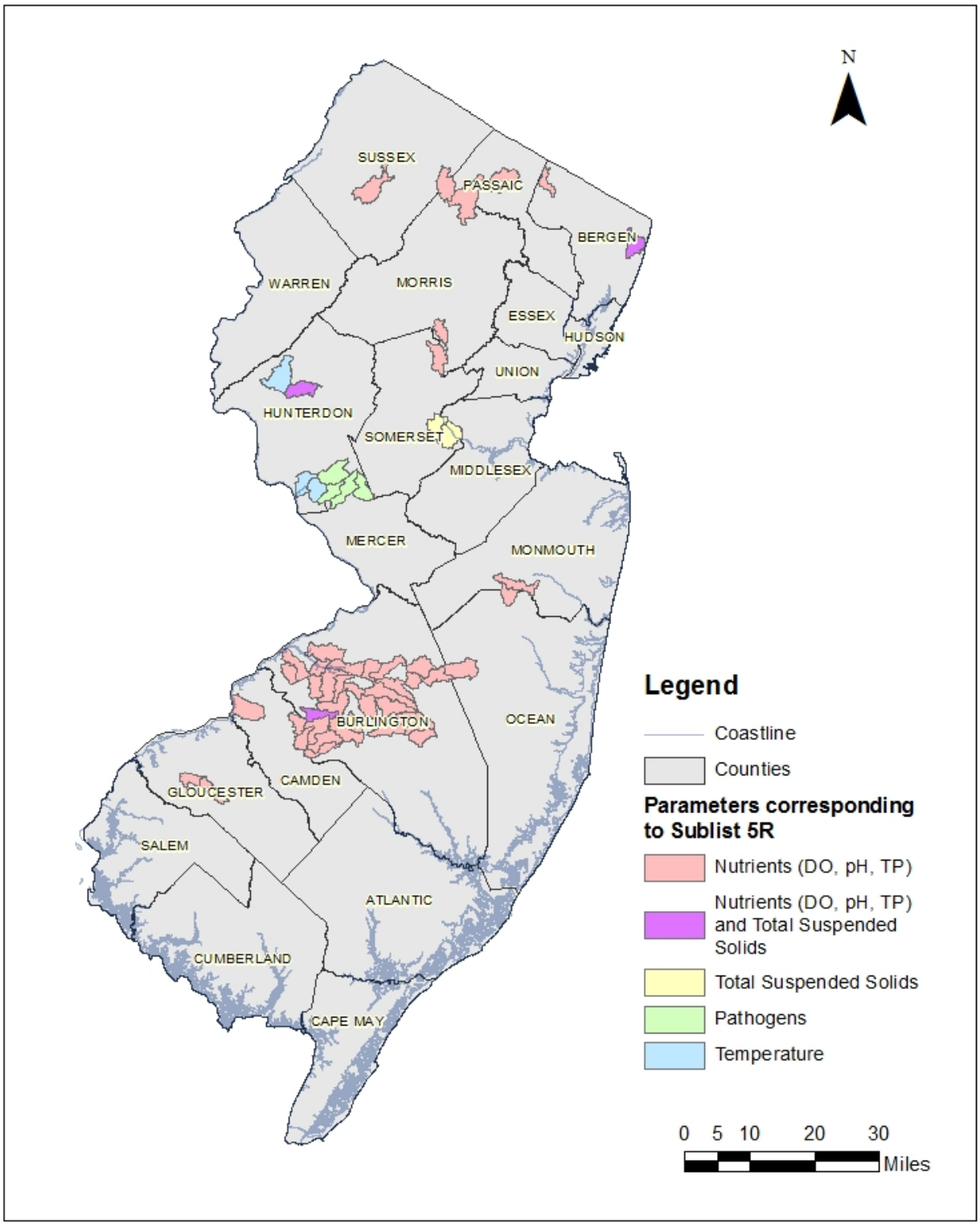
- Previous or new pollutants causing use impairment;
- Covered by USEPA-approved Watershed Based Plan containing the nine minimum elements;
- Not covered by a USEPA-approved TMDL;
- No major industrial or municipal discharger (> 1 MGD) in AUs impaired by TP, DO, or pH.

This approach is consistent with USEPA's new collaborative framework for implementing CWA Section 303(d) Program with States, "A Long-Term Vision for Assessment, Restoration, and Protection under the Clean Water Act 303(d) Program" and allows the Department to pursue the most effective and appropriate restoration strategy for each listed pollutant cause of water quality impairment. Figure 2.1A depicts the spatial extent of the 2014 Sublist 5R. Parameters addressed include nutrients (TP, DO, and pH), temperature, pathogens, and total suspended solids.

Statewide assessment results for each of New Jersey's designated uses are discussed in more detail in the rest of this section, along with the assessment results for key parameters associated with each of the designated uses: General Aquatic Life, Trout Aquatic Life, Recreation, Public Water Supply, Shellfish Harvest for Consumption, and Fish Consumption.

[14] See Section 4.33: Water Pollution Control: Non-regulatory Programs

Figure 2.1A: Spatial Extent of Sublist 5R



General Aquatic Life Use: All waters of the State (958 AUs) are designated for the general aquatic life use. Sixteen percent (16%) of AUs fully support the use, 64% do not support the use, and 20% are not assessed due to insufficient information (see Figures 2.2A and 2.2B).

Figure 2.2A: Assessment Results for General Aquatic Life Use, Spatial Extent

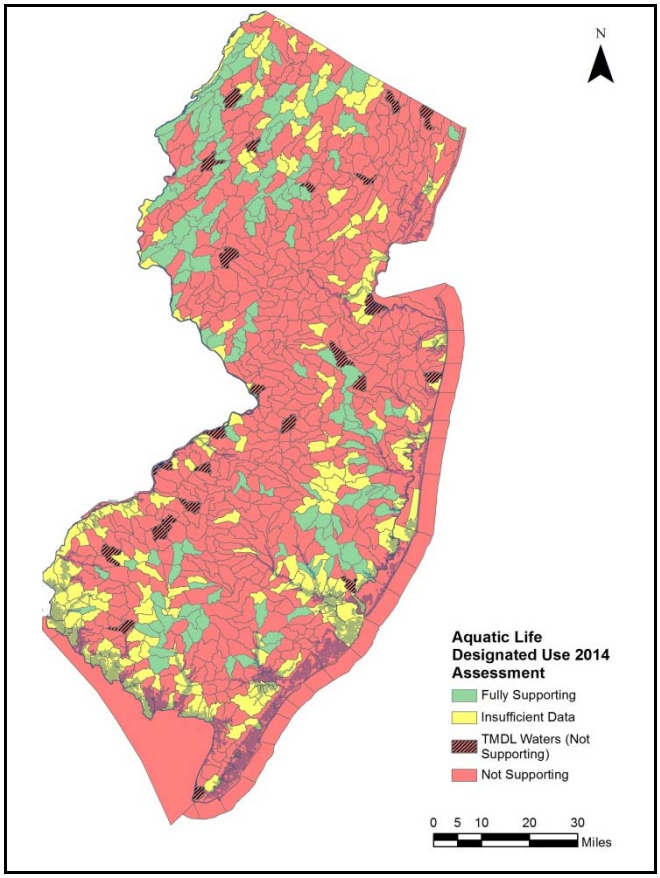
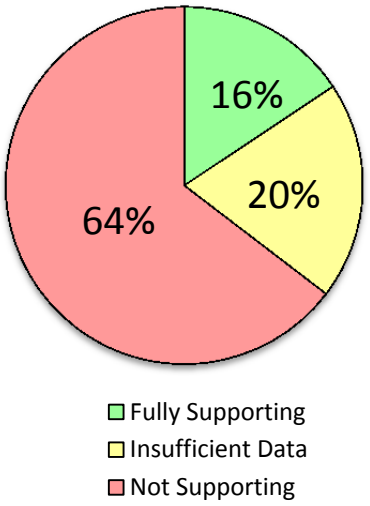


Figure 2.2B: Assessment Results for General Aquatic Life Use, Percent (%)



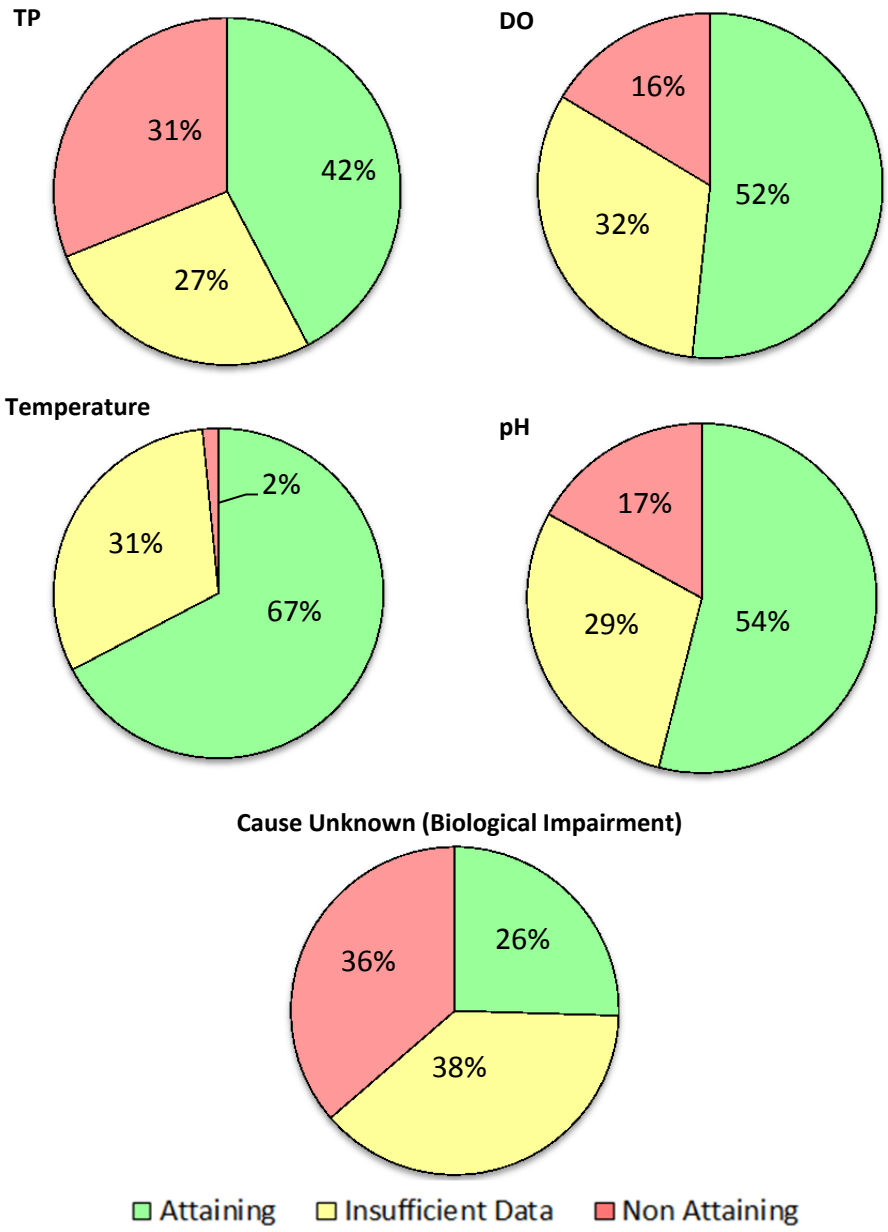
Total number of applicable AUs = 958

The general aquatic life use is assessed based on a suite of key parameters. Five of these key parameters: TP, dissolved oxygen (DO), pH, temperature, and cause unknown15, are among the top ten causes of water quality impairment statewide, as shown in Figure 2.1. Nutrient enrichment from point sources (e.g., sewage treatment plants), land use practices (e.g., application of fertilizer), and land disturbance (e.g., loss of riparian buffers and increase in impervious surface), are common sources of these parameters. TP has been identified as the most frequent cause of general aquatic life use impairment and has been a focus for TMDL development, with nearly 100 TMDLs completed by the Department to date. DO and pH-caused impairment are often associated with nutrient over-enrichment that will respond to restoration efforts aimed at controlling nutrients. It is noteworthy that, in the course of developing TP TMDLs, the Department found that a number of AUs considered to be impaired by temperature

[15] Aquatic life use impairment is attributed to "cause unknown" when biological data shows impairment but chemical data is either unavailable or does not exceed applicable water quality standards; therefore, the pollutant cause of aquatic life use impairment is unknown.

might actually reflect natural conditions. A more in-depth analysis of these impaired AUs is planned to determine if temperature reflects natural conditions or actual use impairment. The pie charts in Figure 2.3 reflect the relative assessment status of the top five parameters associated with the general aquatic life use.

Figure 2.3: Assessment Results for Key Parameters Associated with General Aquatic Life Use, Percent (%) of 958 AUs[16]



[16] While the aquatic life use applies to all 958 AUs, some AUs contain waters without corresponding criteria for each pollutant associated with that use. For example, there are no numeric criteria for TP in saline waters. Therefore, TP can only be assessed in AUs that contain freshwaters. The percentages shown are based on the total number of applicable AUs for each pollutant associated with the general aquatic life use.

Metals were not a significant cause of aquatic life use impairment statewide. At only 2%, copper had the highest number of exceedances of aquatic life criteria for metals, with all other metals falling below 1%.

Trout Aquatic Life Use: The trout aquatic life use only applies to 200 of New Jersey's 958 AUs because this use is reserved for waters classified as trout maintenance or trout production. Ten percent of these AUs fully support the use, 57% do not support the use, and 33% are not assessed due to insufficient information (see Figures 2.4A and B). The critical parameters for assessing this use are temperature, dissolved oxygen and cause unknown (biological impairment).

Figure 2.4A: Assessment Results for Trout Aquatic Life Use, Spatial Extent

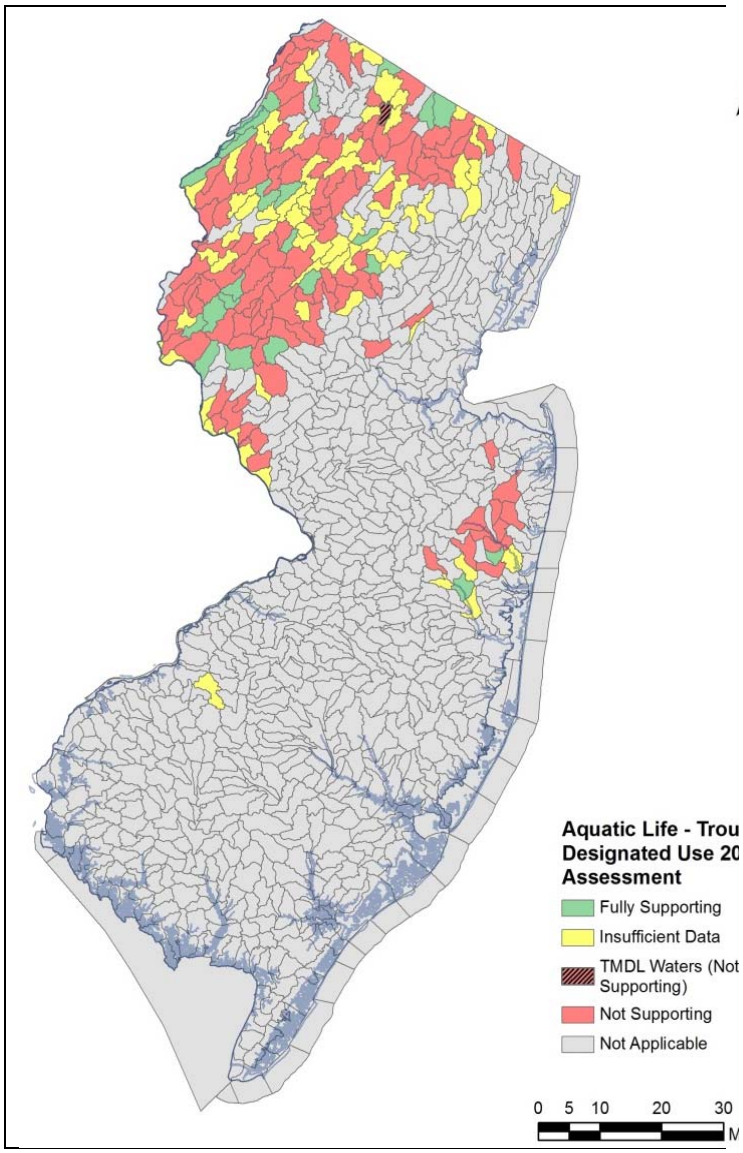
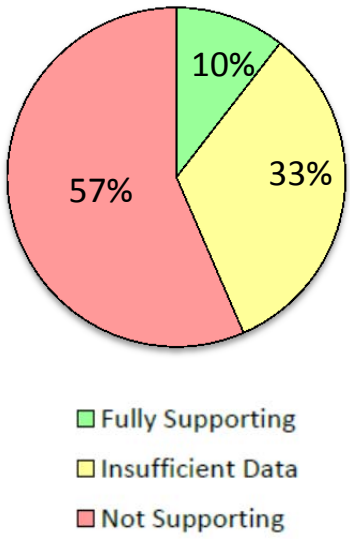


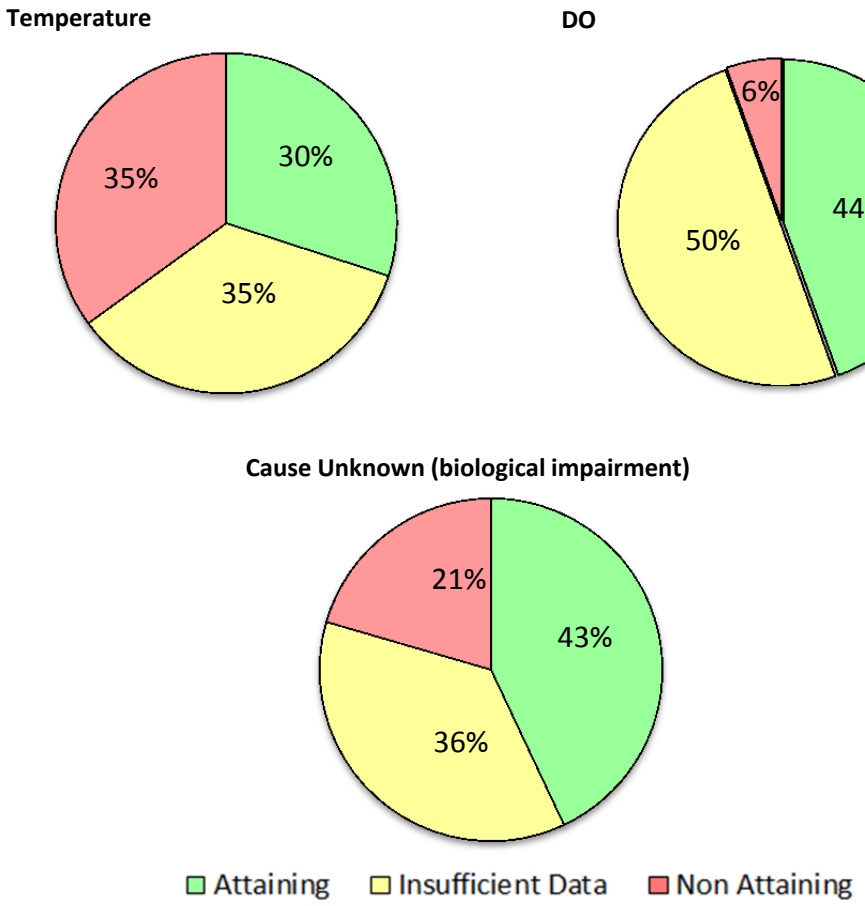
Figure 2.4B: Assessment Results for Trout Aquatic Life Use, Percent (%)



Total number of applicable AUs = 200

The predominant cause of trout aquatic life use impairment is temperature, which accounts for 35% of the AUs assessed as not supporting the trout aquatic life use. Criteria for temperature and DO are more stringent in trout production and trout maintenance waters than in other waters of the State because of the sensitivity of the target species.

Figure 2.6: Assessment Results for Key Parameters Associated with Trout Aquatic Life Use, Percent (%) of 200 AUs



Recreation Use: All waters of the State (958 AUs) are designated for recreational uses. Twenty-four percent fully support the use, 41% do not support the use, and 35% are not assessed due to insufficient information (see Figures 2.7A and B).

Figure 2.7A: Assessment Results for Recreation Use, Spatial Extent

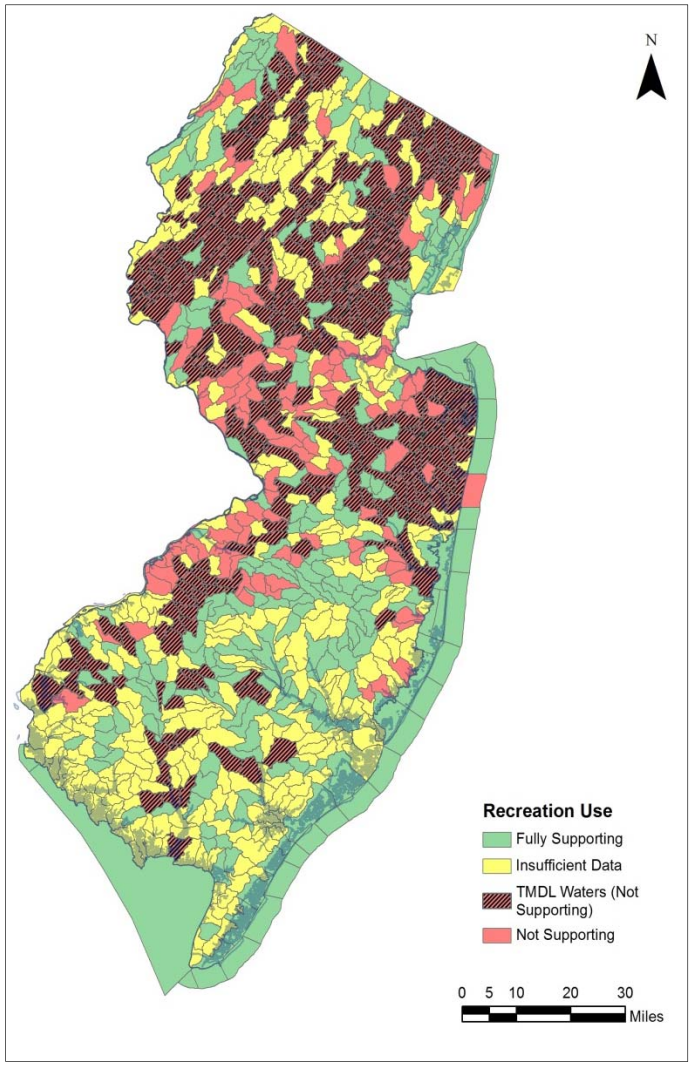
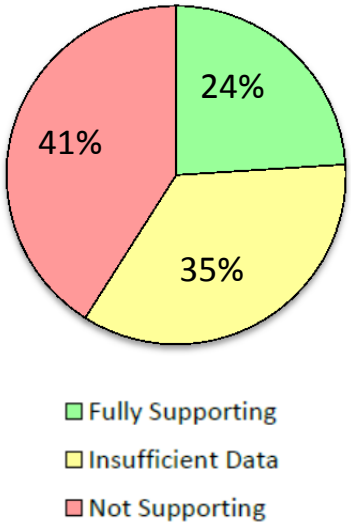


Figure 2.7B: Assessment Results for Recreation Use, Percent (%)



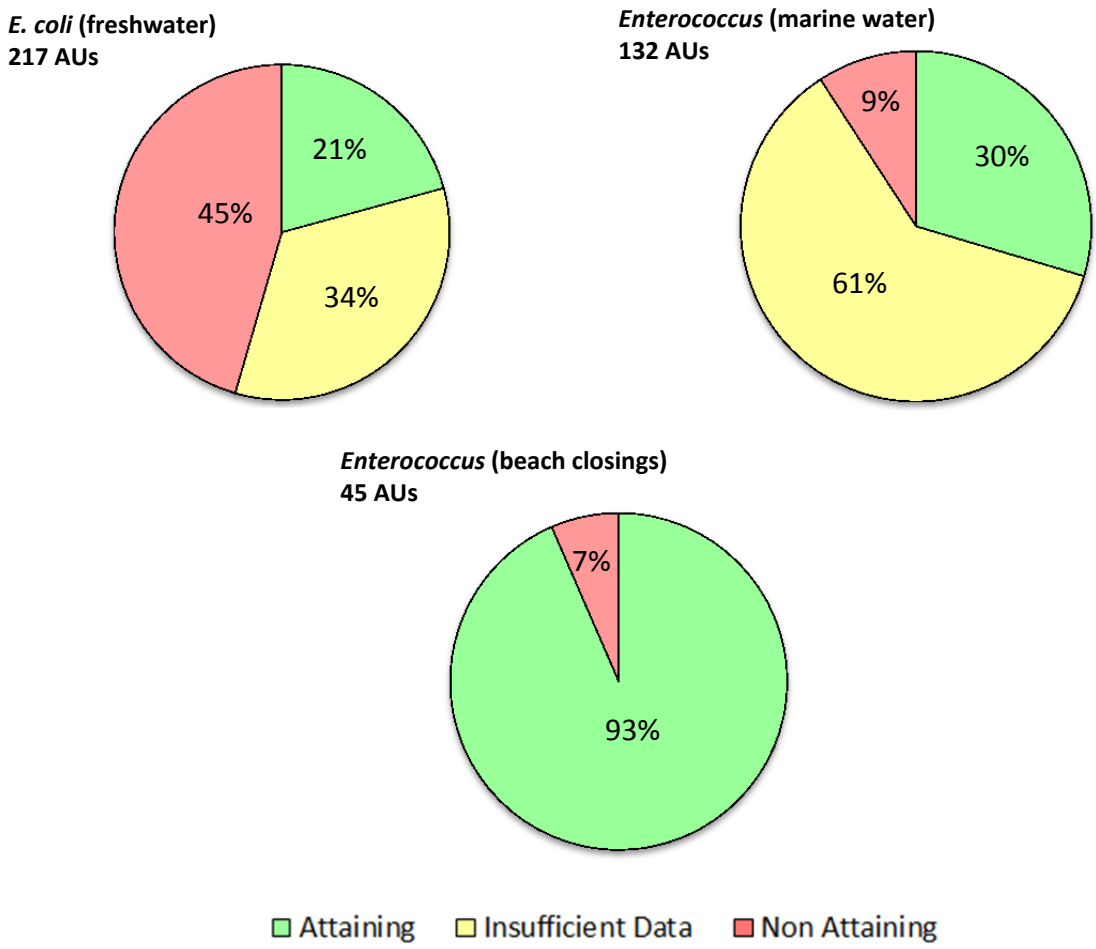
Total number of applicable AUs = 958

The recreation use is assessed based on the presence of pathogenic bacteria indicators (*E. coli* and *Enterococcus*).[17] New Jersey's coastal waters and estuaries demonstrated more consistent support for recreation than freshwaters (streams, rivers, and lakes). Assessment of ocean beaches, where most bathing occurs, shows that these waters are fully swimmable from Sandy Hook to Cape May Point. Freshwaters represent over 80% of recreational use impairment.

[17] Prior assessments were based on fecal coliform; however, this parameter was replaced with *E. coli* and *Enterococcus* based on USEPA guidance. Prior listings for fecal coliform are carried over to the 303(d) List if newer pathogen data is not available.

Figure 2.8 shows a much higher percentage of AUs (45%) impaired by *E.coli*, the freshwater pathogen indicator, than AUs (9%) impaired by *Enterococcus*, the saline water pathogen indicator. This figure also shows that a very small percentage of recreational use assessments based on beach closure data (7% of 45 AUs) resulted in use impairment[18]. TMDLs have been completed for most (81%) of the waters that do not support recreational uses because of pathogens.

Figure 2.8: Assessment Results for Key Parameters Associated with Recreation Use, Percent (%) of AUs



[18] The following three AUs were assessed as not supporting the recreation use based on beach closure events rather than ambient water quality data: NJ02030104090060-01, NJ02030104100100-01, and BarnegatBay04.

Public Water Supply: All New Jersey freshwater streams and lakes, located in 826 AUs, are designated as potential potable water supplies. The water supply use has the highest percentage of use support (37%) of all designated uses Statewide; however, 37% also do not support the use and 26% are not assessed due to insufficient information (see Figures 2.9A and B). Most of the waters that do not support the public water supply use do not contain potable water intakes and are not currently used for drinking water purposes.[19]

Figure 2.9A: Assessment Results for Public Water Supply Use, Spatial Extent

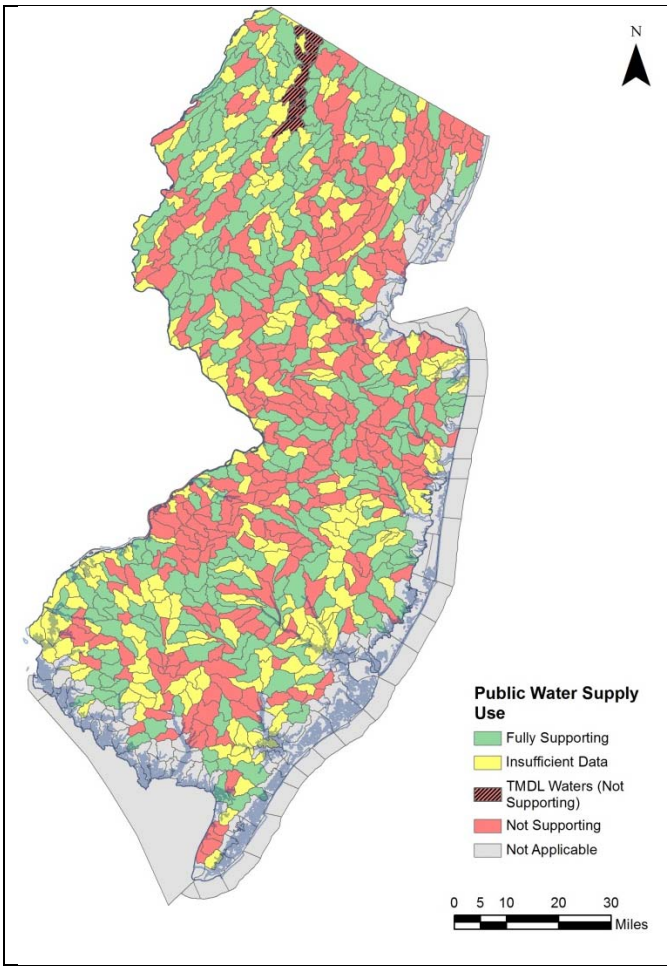
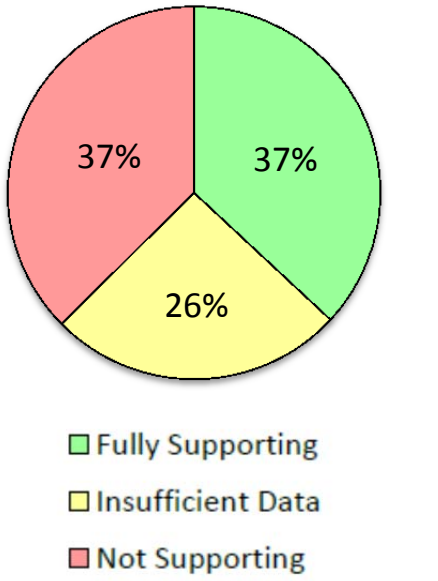


Figure 2.9B: Assessment Results for Public Water Supply Use, Percent (%)



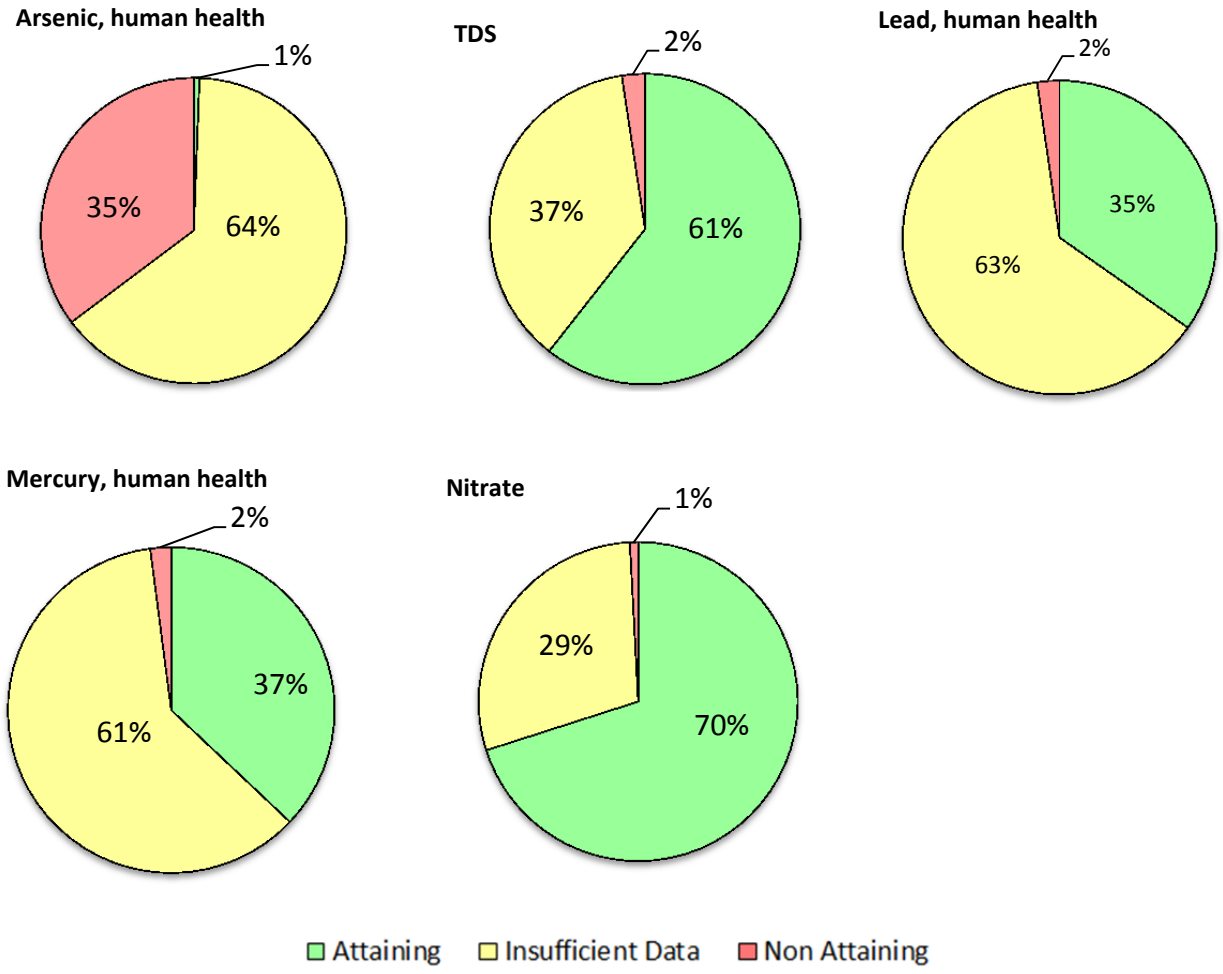
Total number of applicable AUs = 826

The critical parameter for assessing this use is nitrate; however, the water supply use will be assessed as impaired ("not supporting") if any parameter exceeds the applicable human health criterion. Figure 2.10 shows that arsenic is the predominant cause of water supply use impairment (82%). The frequency of arsenic impairment has increased over time due to improved detection of arsenic at levels approaching the SWQS human health criterion for arsenic

[19] The Department has determined that if aquatic life and public water supply uses are fully supported, then the agricultural and industrial water supply uses are also fully supported (see Section 6.6 of the 2014 Methods Document). As a result, these uses are no longer separately assessed.

of 0.017 micrograms per liter (ug/L). This human health criterion is much more stringent (by more than an order of magnitude) than the New Jersey maximum contaminant level (MCL) of 5 ug/L established in the Safe Drinking Water Act rules at N.J.A.C. 7:10-5.2 (see http://www.nj.gov/dep/rules/rules/njac7_10.pdf). Few waterbodies in New Jersey (Maurice River, North Branch Metedeconk River, and Sharps Run) have arsenic concentrations above 5 ug/L yet many exceed the SWQS human health criterion. A significant number of waterbodies located in the Coastal Plain (southeastern New Jersey) exceed the human health criteria for arsenic but at concentrations that are equal to or less than the naturally-occurring concentrations of arsenic for that geologic formation.[20] Other causes of water supply use impairment include total dissolved solids (TDS), lead, mercury in the water column, and nitrate, but at very low percentages statewide (2% or less).

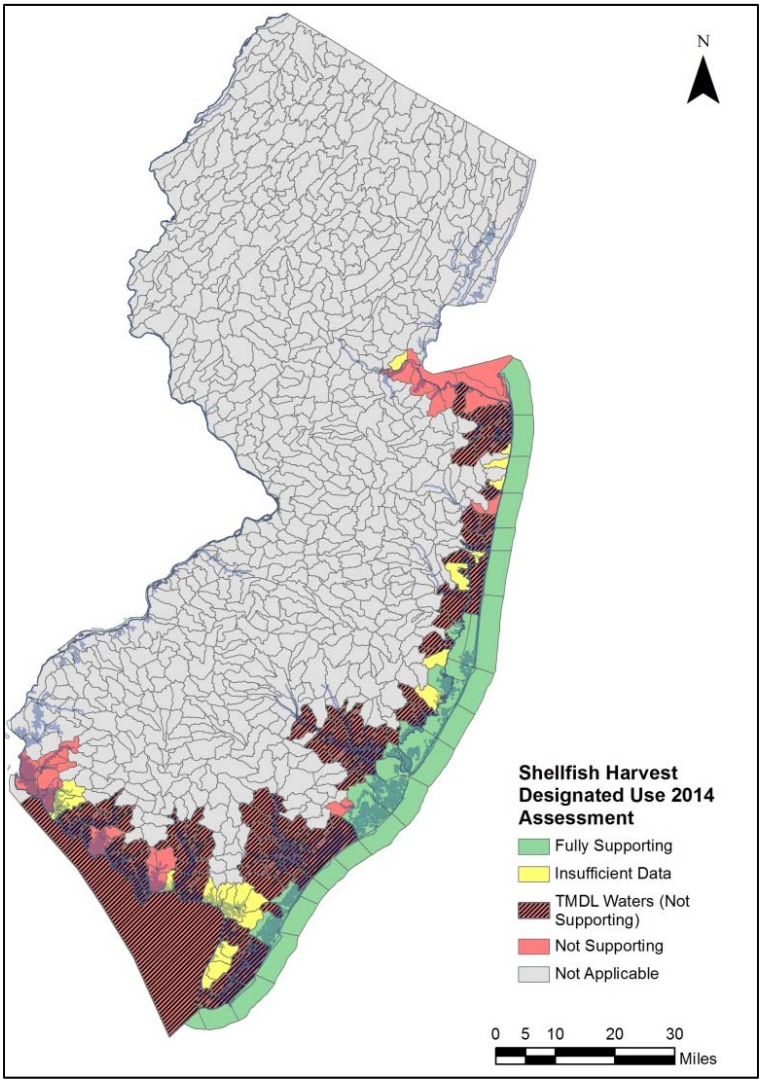
Figure 2.10: Assessment Results for Key Parameters Associated with Water Supply Use, Percent (%) of 826 AUs



[20] Studies conducted by USGS have found that the natural levels of arsenic range from 0.24-0.61 ug/l in the Outer Coastal Plain, and 0.36-0.70 ug/l in the Inner Coastal Plain. Arsenic exceedances that are within these naturally-occurring concentrations will be identified on the 2014 303(d) List as Sublist 5A (arsenic naturally occurring).

Shellfish Harvest for Consumption: Only waters classified as harvestable for shellfish consumption are assessed for the shellfish use; therefore, only 174 of New Jersey's 958 AUs (18%) are assessed for this use. Federal requirements for shellfish classification provide three categories of harvestable shellfish: "approved" (with no restrictions), "seasonal harvest", and "special restrictions". Currently, only shellfish waters classified as "approved" are assessed as fully supporting the designated use. Twenty percent of applicable AUs fully support the use, 67% do not support the use[21], and 13% have insufficient information to assess the use (see Figure 2.11). The critical parameter for assessing this use is total coliform, a pathogenic indicator association. Pathogen TMDLs have been developed for most of the AUs assessed as not supporting the shellfish harvest for consumption use.

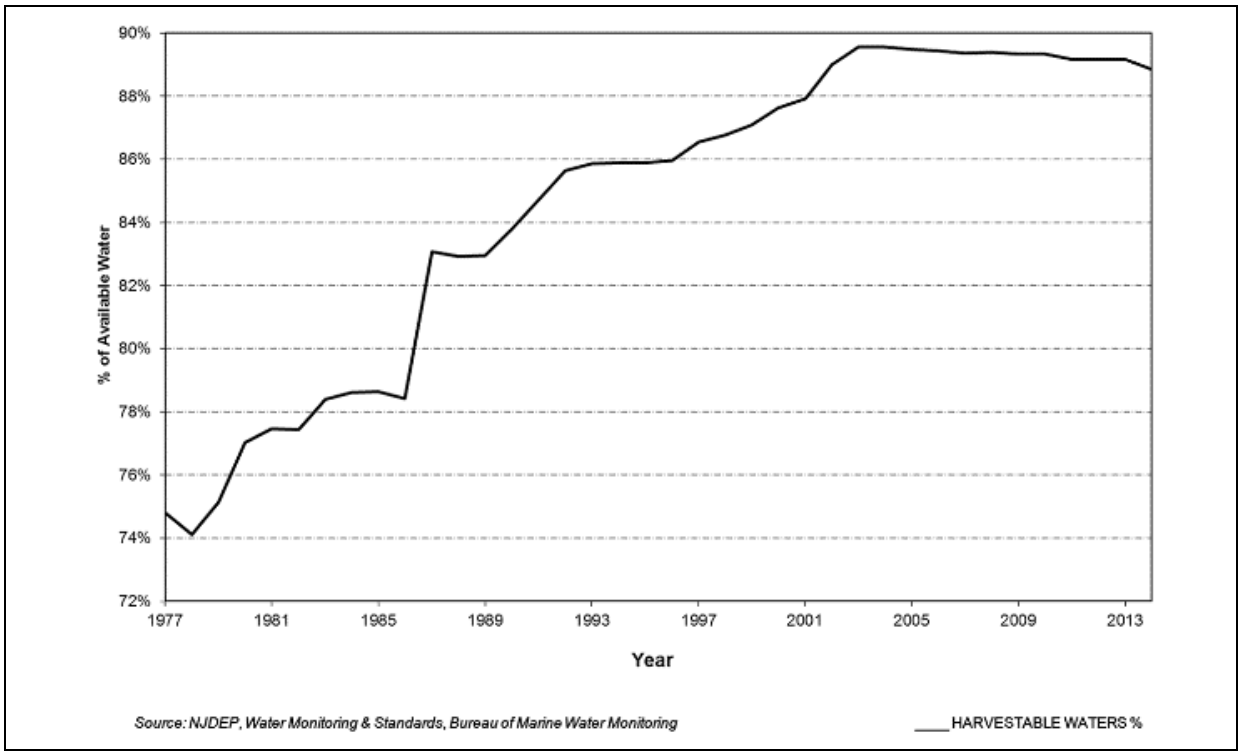
Figure 2.11A: Assessment Results for Shellfish Use, Spatial Extent



[21] AUs assessed as not supporting the shellfish harvest for consumption use include shellfish waters classified as harvestable with seasonal restrictions and harvestable with special restrictions (i.e., depuration treatment is required), as well as waters where shellfish harvest is prohibited.

The percent of applicable AUs assessed as fully supporting (Figure 2.11) differs from the percent of shellfish waters classified as harvestable (Figure 2.12) because shellfish classifications are established by coastal water miles, which may not align with AU boundaries. In addition, USEPA guidance requires that only AUs where shellfish waters are classified as approved with no restrictions can be assessed as "fully supporting" the shellfish harvest for consumption designated use. More information about shellfish classifications is available on the Department's Web site at http://www.state.nj.us/dep/wms/bmw/info01.htm.

Figure 2.12: New Jersey Harvestable Shellfish Waters



In 2014, a re-evaluation of all shellfish waters revealed that, in previous cycles, waters covered by a pathogen TMDL had been assessed as fully supporting the shellfish use where water quality was still impaired. For the majority of these, the TMDL required zero percent reductions for the shellfish waters due to reductions in pollutants achieved upstream or in adjoining waterbodies. However, because these waters are not classified as approved with no restrictions on shellfish harvesting, these AUs were returned to their previous status as not supporting the shellfish designated use. Therefore, although the percentage of AUs not supporting the shellfish use has significantly increased from prior cycles, it does not represent a decline in water quality for shellfish waters. In addition, some AUs previously assessed as not supporting due to administrative closures of shellfish waters were re-assessed as insufficient information because the closures were precautionary and not based on water quality data.

Fish Consumption: All waters of the State (958 AUs) are designated for the fish consumption use. Two AUs (<0.5%) fully support the use, 36% do not support the use, and 64% are not assessed due to insufficient information (see Figures 2.13A and 2.13B). The critical parameters for assessing this use are certain bioaccumulative toxic pollutants that are used to develop fish consumption advisories (see Figure 2.13C). The Department uses fish tissue data, where available, to identify exceedances of human health criteria for these pollutants; however, most of the State's waters are assessed based on the issuance of fish consumption advisories for these pollutants.[22]

Figure 2.13A: Assessment Results for Fish Consumption Use, Spatial Extent

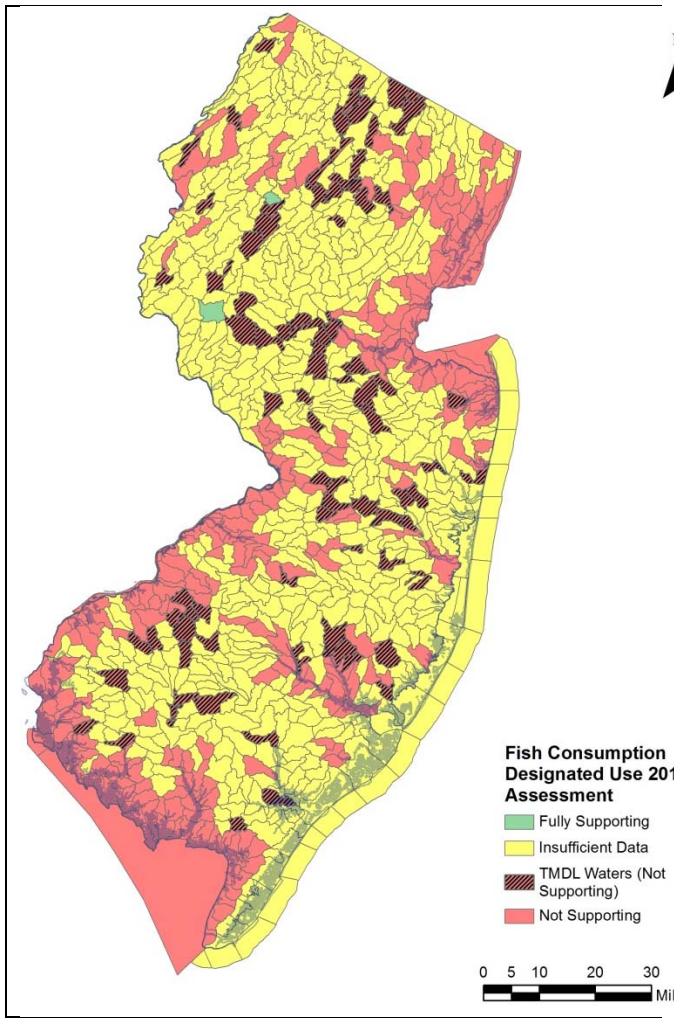
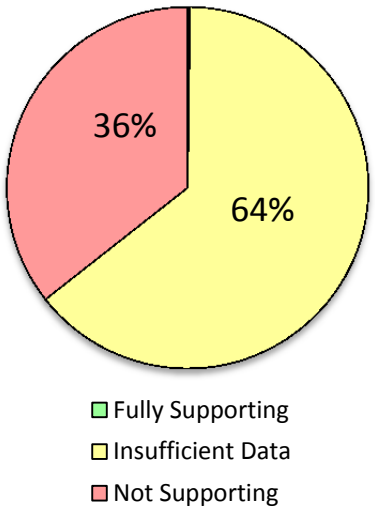
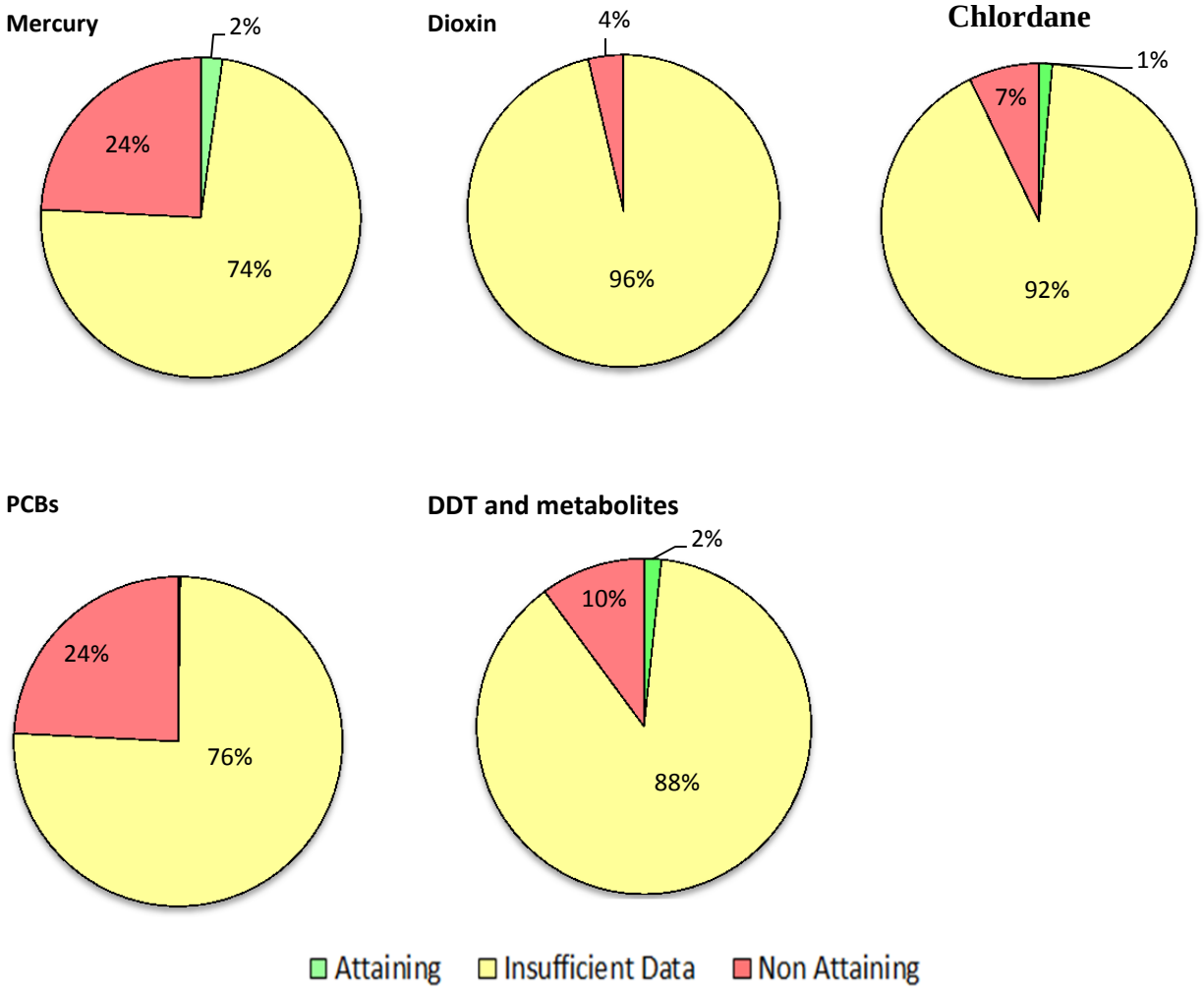


Figure 2.13B: Assessment Results for Fish Consumption Use, Percentage (%)



[22] Consumption advisories may restrict the amount and/or the type of fish consumed and there may be different advisories for high-risk populations and the general public. The Department issues both statewide and waterbody-specific advisories for the general population and for high-risk groups including infants, children, pregnant or nursing mothers, and women of childbearing age. (See Section 6.3 of the 2014 Methods Document and the Department's Web site at http://www.nj.gov/dep/dsr/njmainfish.htm.)

Figure 2.13C: Assessment Results for Key Parameters (in Fish Tissue) Associated with Fish Consumption Use, Percent (%) of 958 AUs



While there is a relatively small amount of data available, the majority of fish tissue data collected continues to show the impairment of the fish consumption use. The most frequent causes of fish consumption use impairment are also among the top ten causes of water quality impairment statewide: mercury in fish tissue, PCB in fish tissue, and DDT (and its metabolites). PCB in fish tissue and DDT (and its metabolites) are no longer actively manufactured; therefore, the Department considers these to be legacy pollutants for which a TMDL is not an effective means to restore water quality.[23] In 2014, the Department delisted PCB in fish tissue from all ocean waters. These waters were assessed as impaired based upon PCB body burdens in migratory fish, such as bluefish and striped bass, which are caught off the New Jersey coast. However, in view of the migratory nature of these fish and the distances they travel along the eastern coastal waters, and because it has not been established where along the eastern seaboard

[23] A new subcategory of the 303(d) List has been created for legacy pollutants (see Chapter 7 of the 2014 Methods Document, Appendix E).

these fish acquired the contaminants, the Department will no longer assess the fish consumption use in New Jersey's ocean waters based on PCB in fish tissue.

Conclusion: Overall water quality was assessed based on support of New Jersey's six main designated uses. Statewide, the percentage of AUs fully supporting the applicable designated uses was 37% for Public Water Supply, 24% for Recreation, 20% for Shellfish Harvest for Consumption, 16% for Aquatic Life-General, 11% for Aquatic Life-Trout and <1% for Fish Consumption. Data also show that the most common pollutants affecting New Jersey's water quality are pathogens in recreational waters and shellfish harvesting areas; arsenic in waters designated as potential potable supplies; PCBs (polychlorinated biphenyls) and mercury in fish tissue; and total phosphorus in freshwaters (affecting aquatic life uses). A review of New Jersey's five water regions reveals that the Atlantic Coastal Region had the highest number of AUs that are fully supporting their designated uses followed by the Northwest, Lower Delaware, Raritan, and Northeast Regions. The Atlantic Coastal Region also had the highest number of delistings and new listings to the 303(d) List/Sublist 4 of the Integrated List; which is attributed to the comprehensive assessment completed in 2014. Furthermore, based on 2014 delistings, the Department will prepare "success stories" showing how work done to reduce point source and nonpoint source loadings of pollutants resulted in water quality improvement.

2.2: Changes to New Jersey's Integrated List

Section 2.1 summarized the assessment results of designated uses and their associated pollutants, as well as the most frequent causes of use impairment. This section focuses on significant changes to Sublists 4 and 5 of the Integrated List, which identify causes of use impairment. Sublist 4 identifies causes of use impairment that are already covered under or do not require an approved TMDL. Sublist 5 identifies causes of use impairment that require development of a TMDL (i.e., the 303(d) List). Parameters added to the 2014 303(d) List are considered "new listings". Parameters that were on the 2012 303(d) List but were removed are considered "new delistings". USEPA only allows delistings under certain circumstances. New listings and delistings, and the corresponding reasons, are summarized in Table 2.1A and explained in more detail in Appendix C. Figures 2.14A and 2.14B show where the top five new listings and new delistings are located throughout the State.

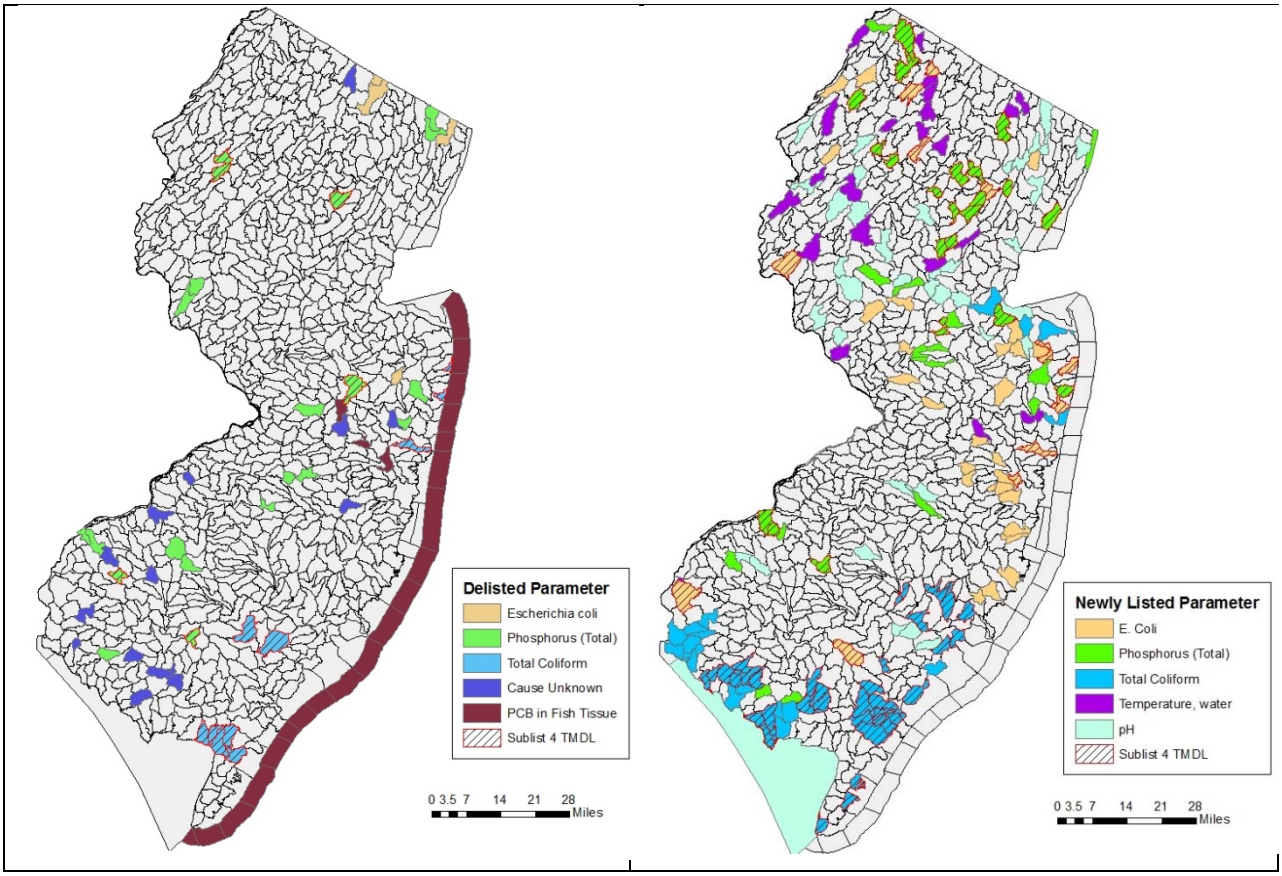
Table 2.1A: 2014 Sublist 5/303(d) New Listings and Delistings

Pollutant	New Listing[1]	Delisting[2]	Reason for Delisting			Net Change
			Attain WQS[3]	TMDL[4]	Other[5]	
Aluminum	2					2
Arsenic	31	4			4	27
Benzo(a)pyrene (PAHs)	1					1
Cause Unknown	33	14	5		9	19
Chlordane in Fish Tissue	6	11	9		2	-5
Copper	3					3
DDT in Fish Tissue	3	4	1		3	-1
Dieldrin	1	7	7			-6
Enterococcus	0	1	0		1	-1
Escherichia coli (*E. coli*)	27	4	0	3	1	23
Fecal Coliform		1	1			-1
Heptachlor epoxide	3	2			2	1
Hexachlorobenzene	1					1
Lead	2	1	1			1
Mercury in Fish Tissue	12	8	4		4	4
Mercury in Water Column	4	3	2		1	1
Oxygen, Dissolved (DO)	31	9	9			22
PCB in Fish Tissue	8	23			23	-15
pH	44	11	7		4	33
Phosphorus (Total), (TP)	19	15	5	8	2	4
Temperature, water	34					34
Total Coliform	22					22
Total Dissolved Solids (TDS)	1	1	1			0
Total Suspended Solids (TSS)	11	3	2		1	8
Turbidity	15	3	2		1	12
Total	**314**	**125**	**56**	**11**	**58**	189

1. New listing to the 303(d) List
2. Total delistings from 303(d) List
3. Delisted based on water quality data showing attainment of applicable water quality standards
4. Delisted from 303(d) List based on an approved TMDL and moved to Sublist 4
5. Delisted based on administrative correction or assessment methods change

Figure 2.14A: Top Five Delisted Parameters, Statewide

Figure 2.14B: Top Five Newly Listed Parameters, Statewide



Parameters identified as new causes of water quality impairment that are already covered by a TMDL (and were not identified on a previous 303(d) List) are placed on Sublist 4.[24] Causes were removed from Sublist 4 if data showed that water quality standards were attained (moved to Sublist 1 or 2) or there was an assessment error and insufficient information was available to assess water quality (moved to Sublist 3). New causes added to or removed from Sublist 4 are summarized in Table 2.1B.

[24] USEPA does not consider removal from Sublist 4 to be a "delisting", even if it results from attainment of applicable water quality standards, because the cause was removed ("delisted") from a prior 303(d) List when the TMDL was approved. Similarly, new causes added directly to Sublist 4 are not considered new "listings" because they were already covered by a TMDL when the impairment was identified; they were not "listed" on or "delisted" from a prior 303(d) List.

Table 2.1B: 2014 Sublist 4 New Causes Added or Removed[25]

Pollutant	New Causes Added[1]	Causes Removed[2]	Reason for Removal		Net Change
			Attain WQS[3]	Other[4]	
Arsenic	2				2
Escherichia coli (E. coli)	12	79	35	44	65
Enterococcus	7	7	6	1	0
Phosphorus (Total), (TP)	25	8	3	5	17
Total Coliform	39	10		10	29
Total	**85**	**104**	**44**	**60**	-19

1. Cause added directly to Sublist 4 in 2014 because it is covered by an approved TMDL; was not a prior 303(d) Listing
2. Total causes removed from Sublist 4
3. Removed from Sublist 4 based on water quality data showing attainment of applicable water quality standards
4. Removed from Sublist 4 based on administrative correction or assessment methods change

Parameters Delisted or Removed as Causes of Water Quality Impairment

The top five delistings are PCB in fish tissue, TP, cause unknown, pH, and chlordane in fish tissue. Two of these parameters, pH and cause unknown, are also in the top five new listings. Most of the pH (64%) and chlordane in fish tissue (82%) delistings were based on data showing attainment of applicable water quality standards, along with 33% of TP and 36% of cause unknown. Delistings of PCB in fish tissue are all based on refinement of the assessment method (see fish consumption use assessment results). Overall, 45% of delistings are based on attainment of applicable water quality standards and restoration of the designated use to fully supporting. Causes removed from Sublist 4 include *E. coli*, *Enterococcus*, TP, and total coliform. All of these, along with arsenic, were also added to Sublist 4 as new causes of impairment that are covered by TMDLs. Most of the *Enterococcus* (86%) removals were based in data showing attainment of applicable water quality standards, along with 44% of the *E. coli* and 38% of the TP. All of the total coliform removals are based on refinement of the assessment method (see shellfish use assessment results). Overall, 42% of the Sublist 4 removals are based on attainment of applicable water quality standards and restoration of the designated use to fully supporting.

Parameters First Listed or Added as Causes of Water Quality Impairment

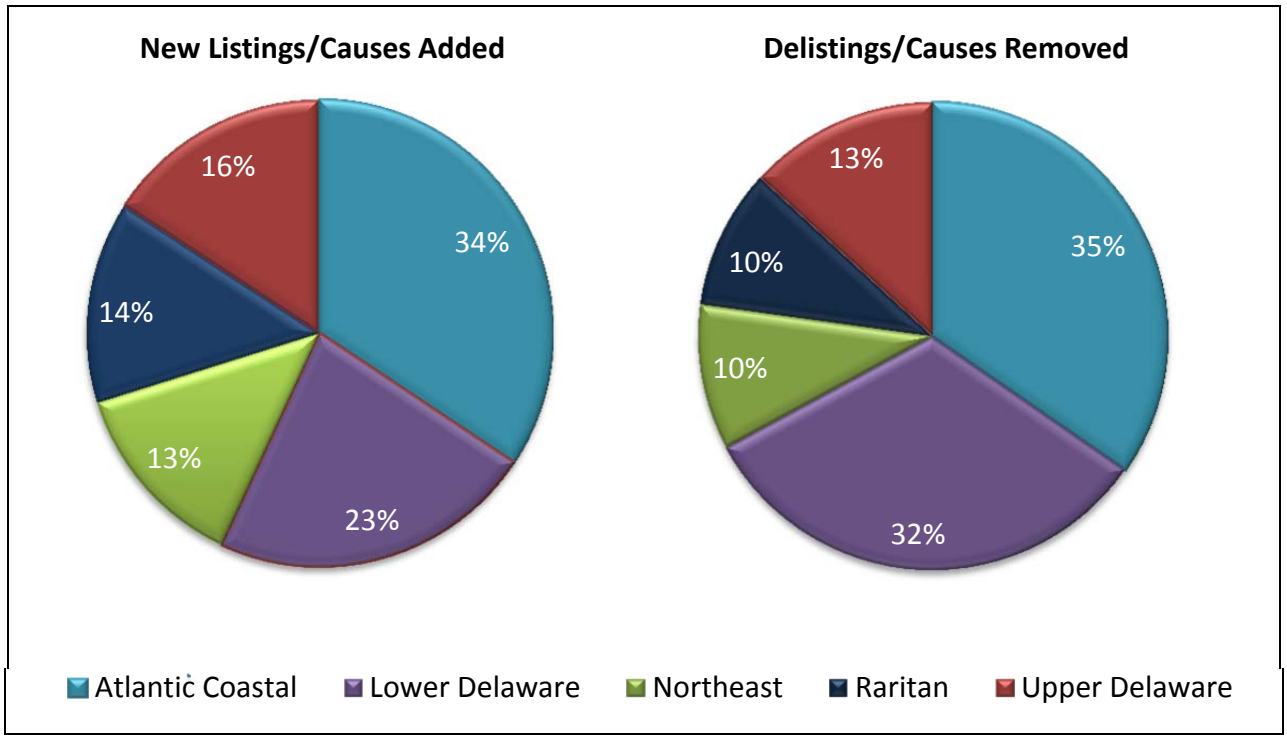
The number of impaired waters on Sublists 4 and 5 increased by less than 1%, compared to 2012. The top five causes representing new listings on the 2014 303(d) List are pH, temperature, cause unknown, arsenic, and DO. New causes added to Sublist 4 are arsenic, *E. coli*, *Enterococcus*, TP, and total coliform. The most notable change from the 2012 Integrated List is that temperature is now one of most frequent causes of use impairment statewide. There was also a significant increase in listings for *total coliform*, the pathogenic indicator for shellfish

[25] "New causes" in Table 2.1b do not include parameters that were on the 2012 303(d) List and were moved from Sublist 5 to Sublist 4 and were "delisted" from the 303(d) List because they are covered by an approved TMDL.

harvesting, and *E.coli*, the pathogenic indicator for freshwater recreational use, compared to previous cycles; however, all of the new total coliform listings were due to administrative closures of shellfish waters and do not reflect declining water quality. A net decrease in *Enterococcus* listings reflects the excellent recreational water quality in New Jersey's ocean waters, as well as incremental improvements in the bays and estuaries.

Figure 2.14C illustrates changes to Sublists 4 and 5 contributed by each Water Region, based on the relative percentage of new listings/causes added and delistings/causes removed. As expected, the comprehensive assessment of the Atlantic Coastal Region generated the highest number of new listings and delistings/removals (see Section 2.3).

Figure 2.14C: Changes to Sublists 4 and 5 by Water Region, percent (%)



The Atlantic Coastal Region has the highest number of AUs that fully support applicable designated uses. Assessment results for the Atlantic Coastal Region are explained in more detail in the section, "Water Quality Conditions in the Atlantic Coastal Region". The Northwest and Lower Delaware Regions have the next highest number of AUs that are fully supporting their designated uses, followed by the Raritan and Northeast Water Regions.

2.3: Water Quality Conditions in the Atlantic Coastal Region

The Atlantic Coastal Region (ACR) is the largest of New Jersey's five water regions, extending from the Raritan River to Cape May Point and encompassing the majority of the Pinelands National Reserve. The ACR consists of **293 AUs** covering 2,962 square miles, 5,812 miles of nontidal and tidal rivers, 6,632 square acres of lakes/reservoirs, and 745 square miles of

estuaries/bays and ocean waters. The ACR includes portions of seven southern New Jersey counties, and encompasses over one million acres of farms, forests and wetlands, along with urban and suburban land uses. The Pinelands National Reserve, which comprises a significant amount of the land area within the ACR, was established by Congress in 1978 as the country's first National Reserve and, in 1983, was designated by the U.S. and the United Nations as an international Biosphere Reserve[26]. The 1.1 million-acre Pinelands occupies 22% of New Jersey's land area and is the largest body of open space on the Mid-Atlantic seaboard between Richmond and Boston.[27]

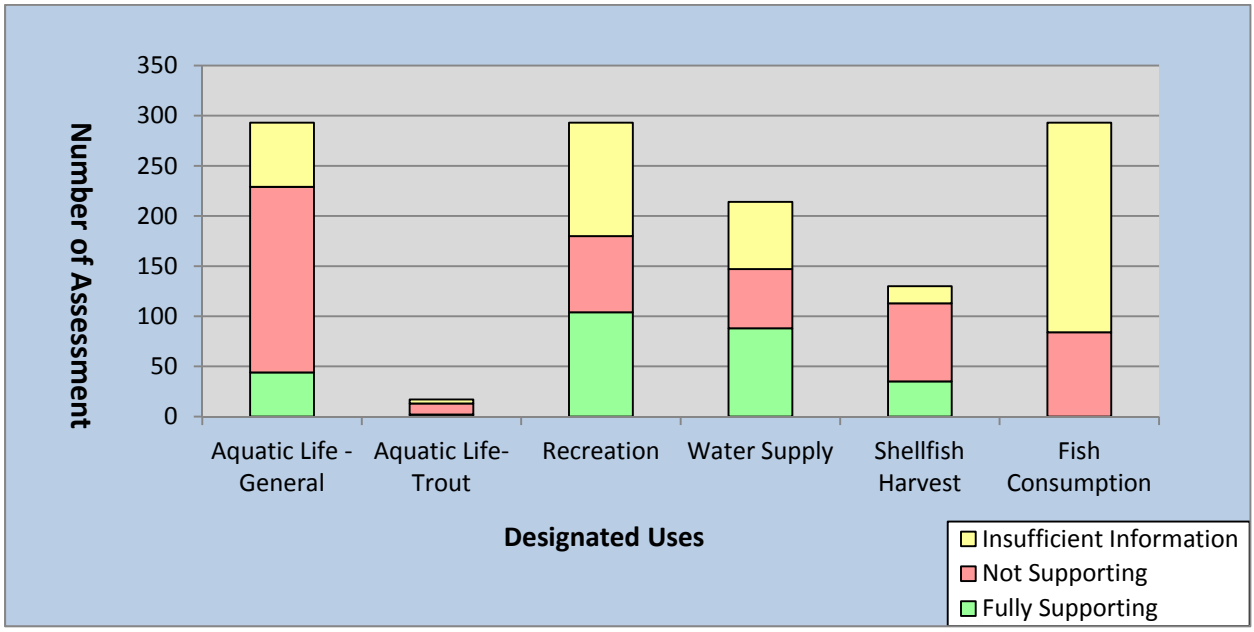
An extensive amount of water quality data is available for the ACR from a variety of sources. In addition to water quality sampling conducted by the Department throughout the region, sampling is routinely conducted by other entities focusing on specific areas or issues of interest throughout the region. The ACR contains the Barnegat Bay Watershed, which is the focus on the Governor's 10-Point Action Plan to restore the ecological health of the bay. The Department and other partners have conducted intensive data collection over the last several years to advance several of items of the Action Plan. The assessment decisions in the ACR reflect this robust dataset, producing decisions of high quality and confidence and a lower number of AUs with insufficient data to assess use support.

The comprehensive regional assessment piloted in the ACR allowed the Department to address multiple water resource concerns and enhance assessment decisions through consideration of environmental conditions affecting the region and integrating other lines of evidence into the assessment process. Overall water quality conditions in the freshwater portions of the ACR are relatively good and are better than fresh water conditions elsewhere in the State. Waters within the Pinelands National Reserve displayed more positive water quality results than waters outside of the Pinelands. Such differences in water quality are attributable to fewer anthropogenic disturbances within the Pinelands. Freshwaters outside of the Pinelands are impacted by development and agricultural uses, especially in Monmouth County and northern Ocean County. Coastal waters and estuaries were good for recreation and shellfish harvesting. There remain some areas where dissolved oxygen does not meet water quality criteria, which is a concern relative to aquatic life support in Barnegat Bay. Assessment results for the ACR are summarized in Figure 2.15.

[26] The New Jersey Pinelands Commission. The New Jersey Pinelands: A Natural Treasure. Available at http://www.state.nj.us/pinelands/images/pdf%20files/Pinelands%20Brochure1.pdf.

[27] The New Jersey Pinelands Commission. The Pinelands National Reserve. Available at http://www.state.nj.us/pinelands/reserve/.

Figure 2.15: 2014 Designated Use Assessment Results for the Atlantic Coastal Region (293 AUs)



Use assessment results for the ACR were generally better than statewide use assessment results (see Table 2.2). While both statewide and ACR results showed that public water supply use and recreation had the highest percentage of use support, the relative percentage of AUs fully supporting applicable designated uses was generally higher in the ACR. The relative percentage of AUs not supporting applicable designated uses was generally lower in the ACR, except for aquatic life trout.

Table 2.2: Use Assessment Results Statewide (SW) vs. Atlantic Coastal Region (ACR), Number and Percentage (%) of AUs

Designated Use	Aquatic Life - General				Aquatic Life - Trout				Recreation			
Scope	SW		ACR		SW		ACR		SW		ACR	
Fully Supporting	150	16%	44	15%	21	11%	2	12%	230	24%	104	35%
Not Supporting	619	65%	185	63%	113	57%	11	65%	391	41%	76	26%
Insufficient Information	189	20%	64	22%	66	33%	4	24%	337	35%	113	39%
Total AUs Applicable	958		293		200		17		958		293	

Designated Use	Water Supply				Shellfish Harvest				Fish Consumption			
Scope	SW		ACR		SW		ACR		SW		ACR	
Fully Supporting	305	37%	88	41%	35	20%	35	27%	2	0%	0	0%
Not Supporting	309	37%	59	28%	117	67%	78	60%	341	36%	84	29%
Insufficient Information	212	26%	67	31%	22	13%	17	13%	615	64%	209	71%
Total AUs Applicable	826		214		174		130		958		293	

Assessment results for each designated use are discussed in more detail below, along with results for key parameters associated with each use.

Public Water Supply: Forty-one percent of applicable AUs in the ACR fully support the public water supply use, which is slightly higher than the relative percentage statewide (37%); 28% do not support the use, and 31% have insufficient information to assess the use (see Figures 2.15A and 2.15B). As with the rest of the State, the predominant cause of use impairment is arsenic (91%); however, of the 64 AUs impaired by arsenic, almost half (29 AUs) are at or below naturally-occurring regional arsenic concentrations, based on USGS studies in the Coastal Plain. Naturally-occurring conditions are generally not considered to represent use impairment; however, these arsenic concentrations exceed established human health criteria and must be placed on the 303(d) List according to USEPA requirements. Therefore, AUs with these naturally occurring concentrations of arsenic have been placed on a special subpart of the 2014 303(d) List, Sublist 5A, for which TMDL development is not an effective response.

Figure 2.15A: ACR Assessment Results for Public Water Supply Use, Spatial Extent

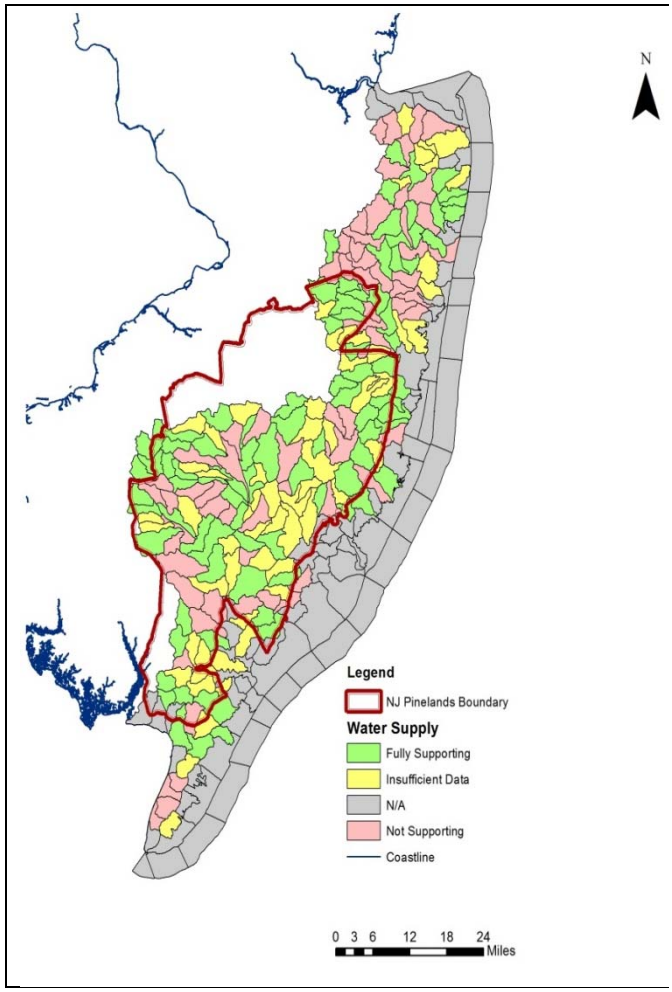
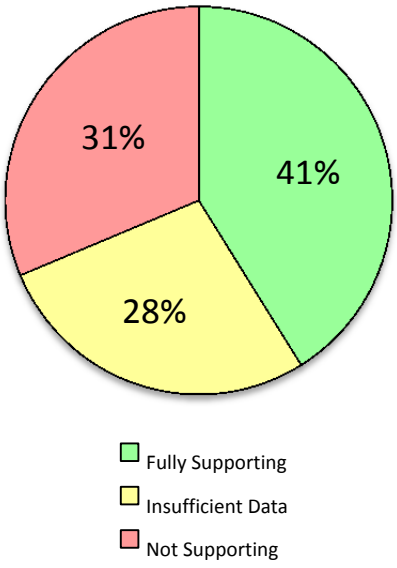


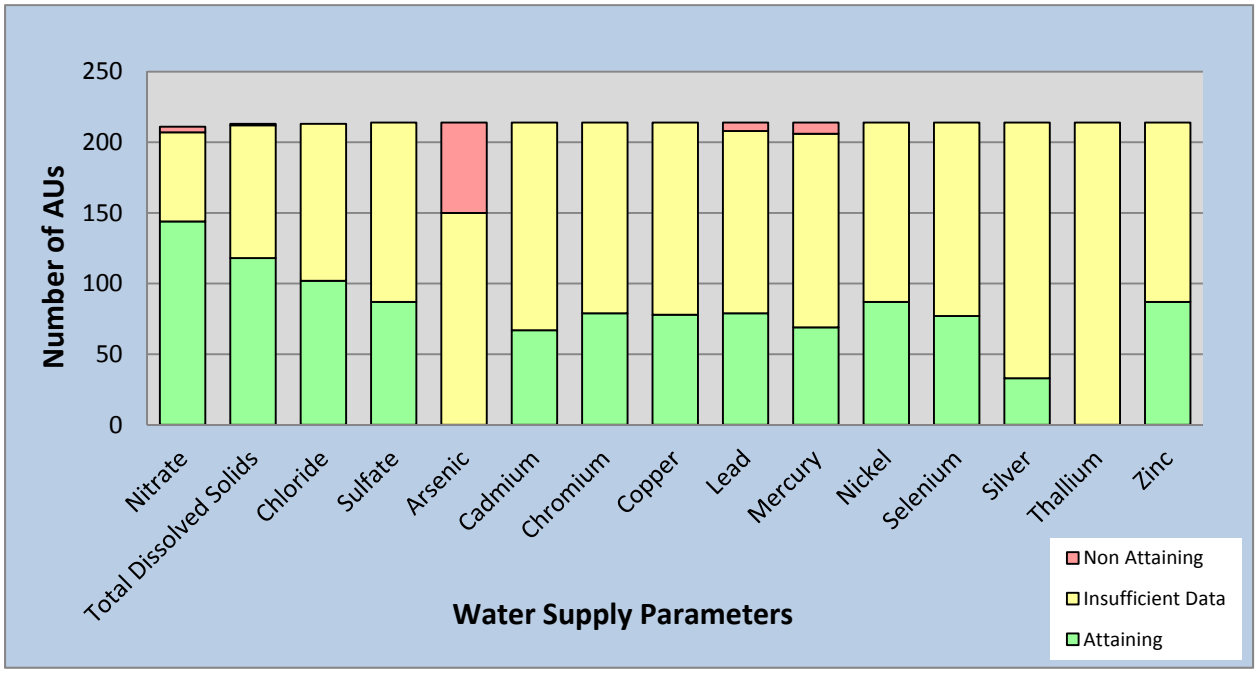
Figure 2.15B: ACR Assessment Results for Public Water Supply Use, Percent (%)



Total Number of Applicable AUs = 214 AUs

As was the case statewide, many AUs in the region had insufficient data to assess metals; however, wherever metals data were collected, they attained applicable water quality standards except for arsenic, discussed above, and a small number of mercury and lead exceedances (see Figure 2.16). A small number of AUs exceeded the human health criterion for mercury in the water column in smaller rivers and tributaries such as Hammonton Creek, Absecon Creek, Squankum Branch, Wrangel Brook, Waretown Creek, and Big Brook. Lead exceedances were limited to the Metedeconk River, Skit Branch, and Matawan Creek. Five of seven nitrate exceedances statewide occurred within the Pinelands portion of the ACR. It is noteworthy that the nitrate criterion for Pinelands waters (2 mg/L) is much more stringent than other freshwaters in New Jersey (10 mg/L). The difference is that the nitrate criterion in the Pinelands was set to protect the unique ecology of the Pinelands and the criterion in the rest of the state is set at the health based drinking water standard. All data collected for total dissolved solids (TDS), chloride, and sulfate within the ACR attained applicable water quality standards.

Figure 2.16: ACR Assessment Results for Parameters Associated With the Water Supply Use (214 AUs)



Aquatic Life: Fifteen percent of ACR AUs fully support the general aquatic life use (compared to 16% statewide), 63% do not support the use, and 22% have insufficient information to assess the use (see Figures 2.17A and B).

Figure 2.17A: ACR Assessment Results for General Aquatic Life Use, Spatial Extent

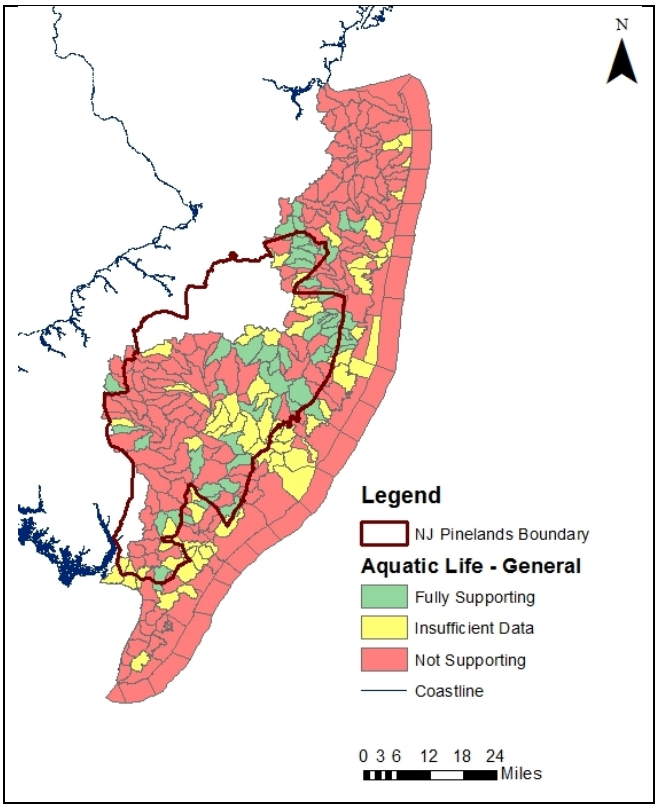
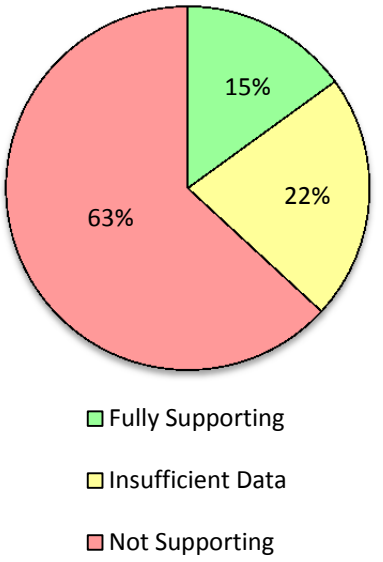


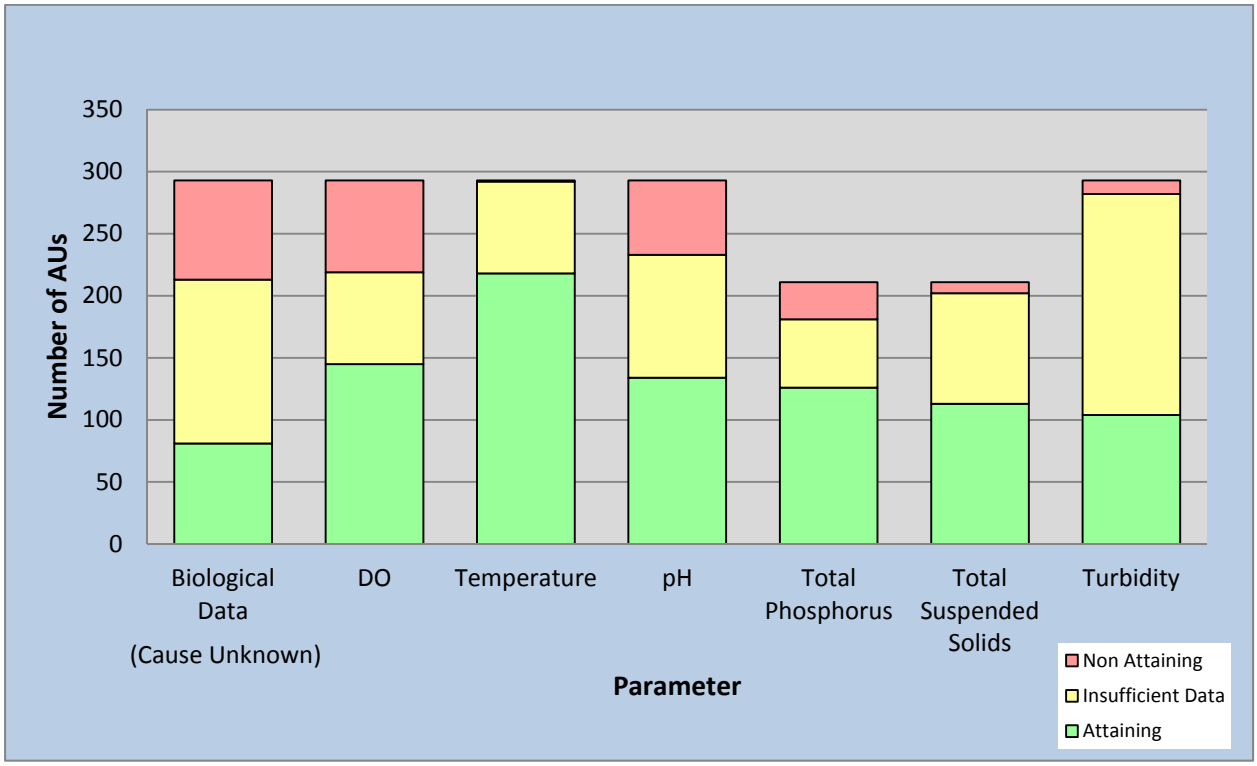
Figure 2.17B: ACR Assessment Results for General Aquatic Life Use, Percent (%)



Total Number of Applicable AUs = 293

The predominant parameter causing aquatic life use impairment is "cause unknown", followed by pH, and dissolved oxygen (see Figure 2.18). A much higher number of 303(d) listings for pH and DO were located in the ACR compared to other regions. Assessment results for the key parameters associated with the Aquatic Life Use are explained in more detail below.

Figure 2.18: ACR Assessment Results for Conventional Parameters Associated with the General Aquatic Life Use (293 AUs)



Macroinvertebrate data showed that 28% of ACR AUs are not impaired/attain applicable WQS (compared to 26% statewide), 27%% were impaired, and 45% had insufficient information. Pinelands waters showed much healthier biological communities (60% were not impaired) than ACR waters outside the Pinelands (30%). This difference correlates with differences in land use. Land cover within the Pinelands is mostly forested and wetlands with intact riparian buffers, while the majority of the land outside the Pinelands is heavily impacted by urbanization and agriculture. AUs with biological impairment but no corresponding pollutant exceedances are assessed as not supporting the aquatic life use due to "cause unknown". The majority of new 303(d) listings for cause unknown within the ACR (87%) are located outside of the Pinelands. A significant percentage of waters within the ACR have insufficient information to assess the general aquatic life use. This is because current biological assessment methods apply only to freshwaters. The Department is currently developing a benthic macroinvertebrate index for coastal and estuary waters. Once this new index is available, the Department will be able to assess the general aquatic life use in all waters of the ACR.

Dissolved oxygen (DO) attained applicable WQS in 50% of all ACR AUs, 25% did not attain, and 25% had insufficient information. Although numerous data show low dissolved oxygen throughout the Pinelands, it is likely that this condition is due to the significant input of ground water with very low oxygen levels, coupled with the slow, meandering flow that is characteristic of streams in this ecoregion, which naturally reduces stream aeration. Other characteristics of Pinelands waters, including adjacent wetlands, low flows, and high oxygen demand from organic

matter in streams, may also contribute to the observed low dissolved oxygen conditions. The Department recognizes that the current freshwater criteria for dissolved oxygen may not be representative of streams in this ecoregion and further investigation is warranted. For more information on Pinelands water quality and environmental conditions, the Pinelands Commission has posted numerous publications, including watershed reports of major basins in the Pinelands, on its Web site at http://www.state.nj.us/pinelands/science/pub. Low DO levels have also been reported in the near-shore Atlantic Ocean waters along the entire New Jersey Coast since the early 2000's. The Department is conducting extensive sampling using continuous monitoring instruments (i.e., Slocum Glider submersible) to help better understand the spatial and temporal impacts of dissolved oxygen, salinity and temperature at various depths, and to determine if these low DO events are natural occurrences. Other monitoring efforts along the shore, including recent intensive sampling in the Barnegat Bay Estuary, resulted in over 50% of new DO impairments on the 2014 303(d) List.

Temperature shows very high attainment rates throughout the Region, with 74% of all ACR AUs attaining applicable WQS, less than 1% exceeding the criteria, and 25% with insufficient information. Therefore, of the 219 AUs that had sufficient data to assess temperature, only one AU showed an exceedance of the criterion.

pH: Almost half of all ACR AUs (46%) meet the applicable WQS for pH**;** 20% exceed criteria, and 34% have insufficient information. The majority of pH exceedances occurred within the Pinelands, where anthropogenic impacts upstream and within the Pinelands cause pH levels that are higher than the naturally acidic pH criteria for Pinelands waters. The Pinelands ecosystem can be significantly impacted by development, resulting in a rise in pH levels. These impacts can be far reaching in this unique ecosystem where development in the headwaters outside of the Pinelands Reserve can cause pH impairments throughout the downstream system, even in heavily forested areas such as along the Great Egg Harbor River. Conversely, freshwaters that are outside the Pinelands but whose headwaters originate within the Pinelands have pH levels that are lower than the freshwater pH criteria because the low pH of the Pinelands waters continues to influence the downstream waters as they flow outside the jurisdictional boundaries of the Pinelands. The Department determined that the low pH in such waters represents natural conditions and they were not placed on the 2014 303(d) List (see Appendix D "2014 Natural Conditions for pH (Not Listed)".

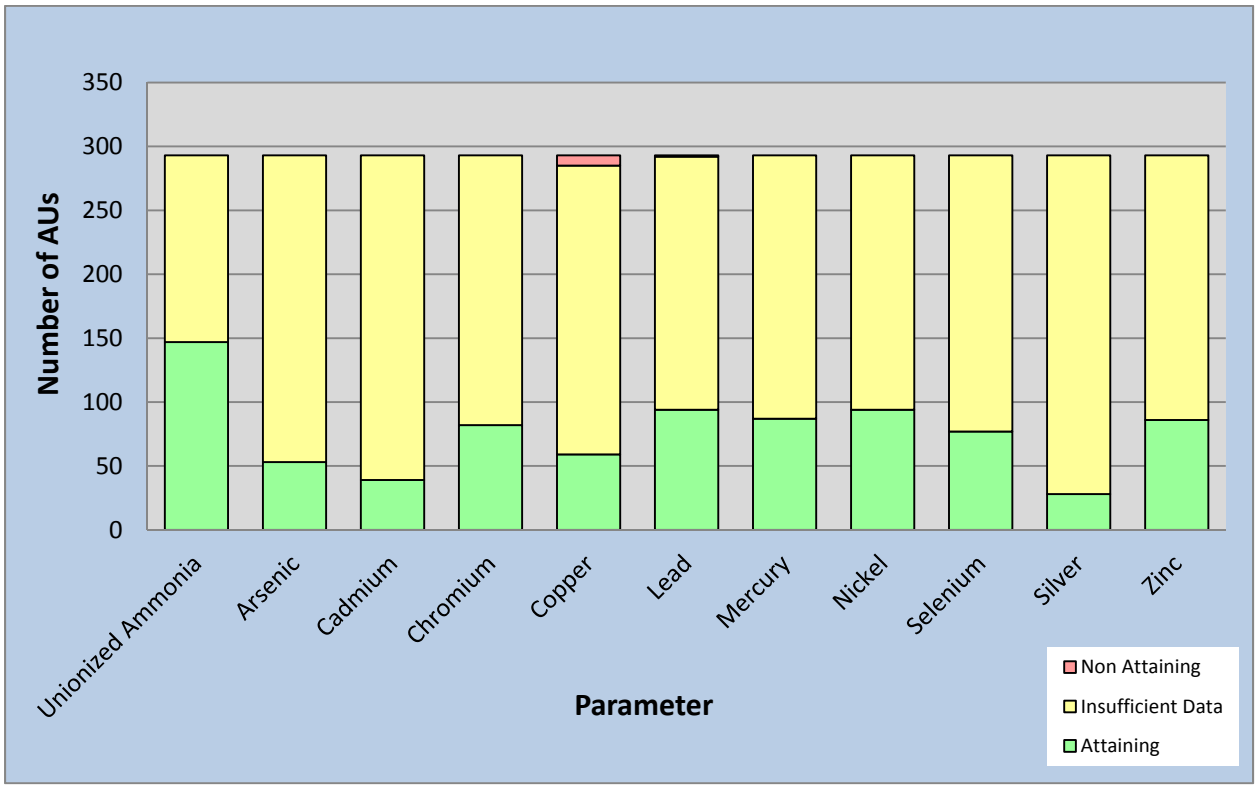
Total phosphorus (TP) showed significantly higher attainment of TP criteria in the region, with 60% of 211 ACR AUs meeting applicable WQS, compared to 42% of 832 AUs statewide, with 14% not supporting and 26% insufficient information. As with many of the aquatic life use parameters, the Pinelands showed very few exceedances. The majority of TP exceedances were found in the Monmouth County Watershed Management Area (WMA 12), where urban development and agriculture are suspected as the primary source of nutrients.

Turbidity attained applicable WQS in over half (54%) of 211 ACR AUs; however, 42% had insufficient information. Only 4% of applicable AUs had data showing exceedance of the turbidity criterion.

Total suspended solids attained applicable WQS in 35% of all 293 ACR AUs; however, most (61%) had insufficient information. As with turbidity, only 4% of AUs exceeded the applicable criterion.

Metals generally attained the aquatic life use criteria, except for a small number of copper and lead exceedances (see Figure 2.19). Only 3% of all ACR AUs exceeded the aquatic life criterion for **copper**, mostly occurring in the lower Great Egg Harbor River, Hammonton River, and Matawan Creek. There was only one other exceedance of aquatic life criteria for metals or toxics, **lead** in Matawan Creek. All other available data in all 293 AU attained applicable criteria for aquatic life, although most AUs had insufficient data.

Figure 2.19: ACR Assessment Results for Metals Based on Aquatic Life Criteria (293 AUs)



Trout Aquatic Life Use: Trout waters within the region are very limited. There are no trout production waters and only 17 of the ACR's 293 AUs contain trout maintenance waters, mostly in the Manasquan River, Toms River, and Metedeconk River watersheds. Six of those 17 AUs had insufficient information to assess the trout use. Of the 11 AUs that had sufficient information, 15% fully support the aquatic life trout use, compared to 16% of assessed waters statewide. Overall, 12% of the applicable AUs fully support the use, 65% do not support the use, and 23% have insufficient information to assess the use (see Figures 2.20A and 2.20B). The trout use has the second lowest level of use support in the ACR, after fish consumption.

Figure 2.20A: ACR Assessment Results for Trout Aquatic Life Use, Spatial Extent

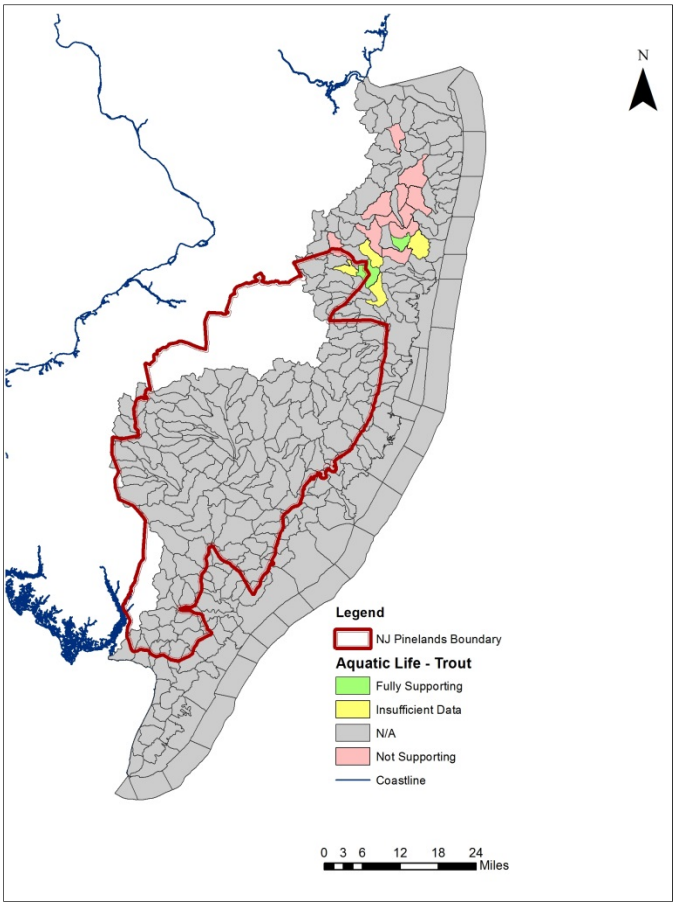
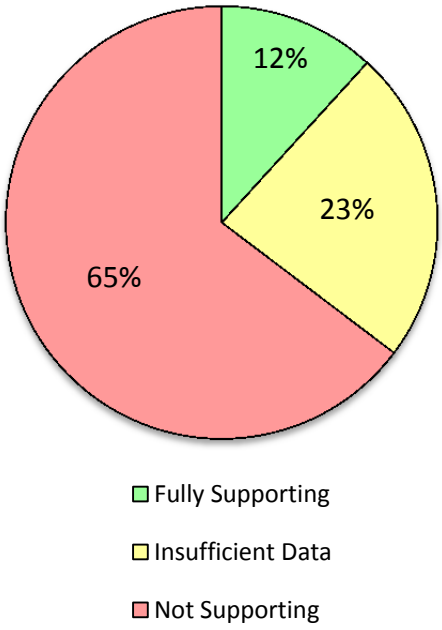


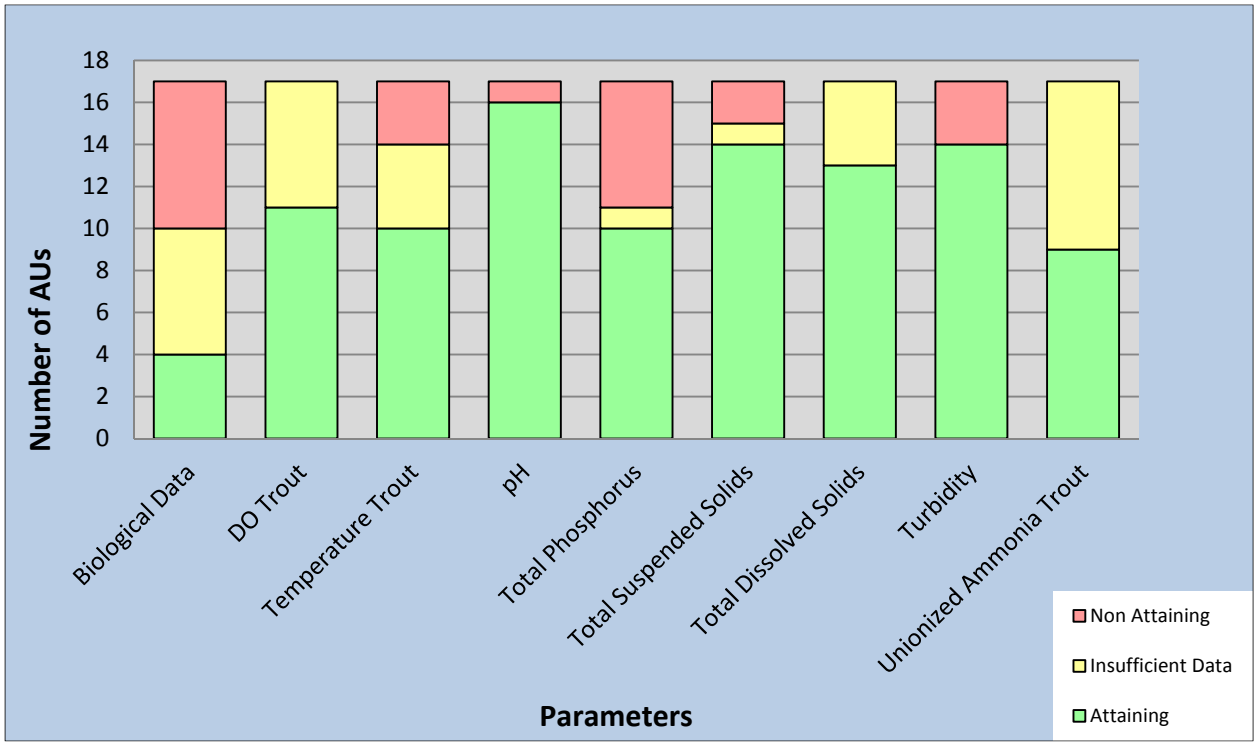
Figure 2.20B: ACR Assessment Results for Trout Aquatic Life Use, Percent (%)



Total Number of Applicable AUs = 293

Biological impairment (i.e., cause unknown) and TP were the most frequent causes of trout use impairment, showing non-attainment in 35% of applicable ACR AUs (see Figure 2.21), followed by temperature (24%), turbidity (18%), TSS (12%), and pH (6%). This differs from statewide results, which show that temperature is the predominant cause of trout use impairment. As noted previously, temperature, DO, pH and biological data are the critical parameters for support of trout uses. There were no DO exceedances in the ACR trout waters. All of the trout impairments were located outside the Pinelands, except for temperature exceedances in one AU along the Toms River. All of the total phosphorus exceedances occurred in WMA 12 (Monmouth County).

Figure 2.21: ACR Assessment Results for Conventional Parameters Associated with the Trout Aquatic Life Use (17 AUs)



Recreation: As shown in Figures 2.22A and 2.22B, thirty-five percent of ACR AUs fully support the recreational use (compared to 24% AUs statewide), 26% do not support the use, and 39% have insufficient information to assess the use. As with the statewide results, coastal and estuarine waters in the ACR showed higher support for the recreation use than freshwaters (streams, rivers, and lakes). Assessment of ocean beaches, where most bathing occurs, shows that these waters are fully swimmable from Sandy Hook to Cape May Point. Freshwaters represent over 80% of recreational use impairment.

Figure 2.22A: ACR Assessment Results for Recreation Use, Spatial Extent

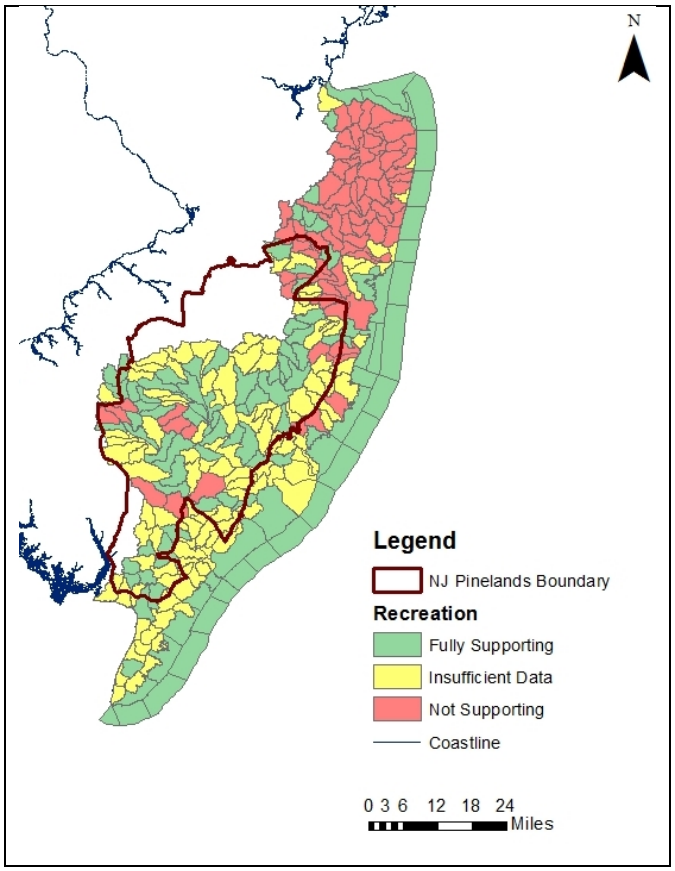
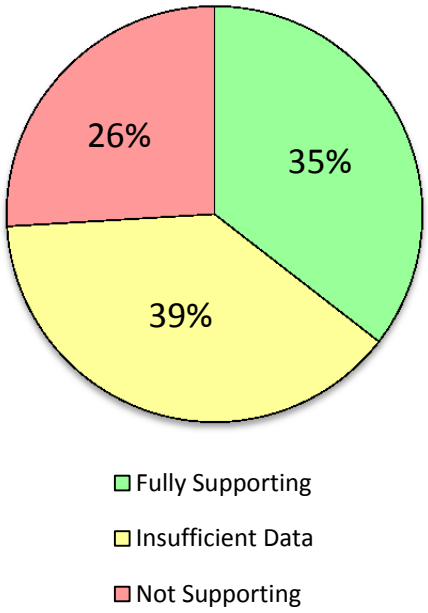


Figure 2.22B: ACR Assessment Results for Recreation Use, Percent (%)



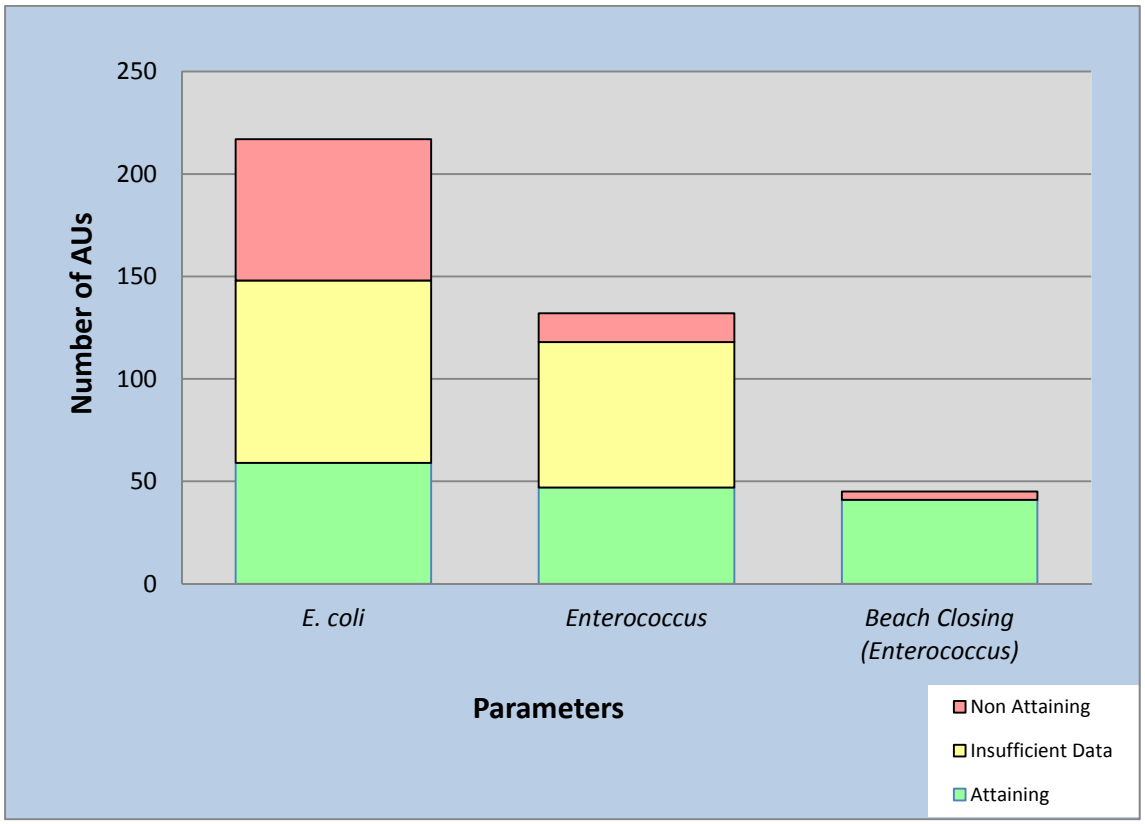
Total Number of Applicable AUs = 293

The predominant cause of recreational use impairment is the presence of pathogenic indicators. Figure 2.23 shows a much higher percentage of AUs (45%) impaired by *E.coli*, the freshwater pathogen indicator, than AUs (9%) impaired by *Enterococcus*, the saline water pathogen indicator. This figure also shows that a small percentage of recreational use assessments based on beach closure data (7% of 45 AUs) resulted in use impairment[28]. TMDLs have been completed for most (81%) of the waters that do not support recreational uses because of pathogens.

[28] The following three AUs were assessed as not supporting the recreation use based on beach closure events rather than ambient water quality data: NJ02030104090060-01, NJ02030104100100-01, and BarnegatBay04.

Pathogenic impairments in freshwaters in the ACR are found in areas heavily impacted by anthropogenic sources. As would be expected, the majority waters within the Pinelands fully support the recreational use. Pathogen impairments outside of the Pinelands are generally located within heavily urbanized areas in Monmouth County and Northern Ocean County. In many of these areas, pathogen levels increase dramatically during rainfall events, indicating stormwater runoff (nonpoint sources of pollution) as the source of these pollutants. Although overall results are significantly better in the ACR than statewide, intensive sampling in the Barnegat Bay over the last several years identified a high number of *E. coli* impairments in tributaries to the bay, which account for 41% of the new listings on the 2014 303(d) List.

Figure 2.23: ACR Assessment Results for Parameters Associated with the Recreation Use (293 AUs)*



*Note: Nine of the 76 AUs not supporting the recreation use are impaired for more than one of these causes. Three were of these nine AUs were assessed as impaired based on beach closure events rather than ambient water quality data: NJ02030104100100-01, NJ02030104090060-01, and BarnegatBay04.

Shellfish Harvest for Consumption: The percentage of ACR AUs fully supporting the shellfish harvest for consumption use (27% of 130 AUs) is slightly higher than AUs statewide (20% of 174 AUs). Sixty percent of applicable AUs do not support the use[29] and 13% have insufficient information to assess the use (see Figures 2.24A and B). As with statewide shellfish waters, only shellfish waters classified as "approved" are assessed as fully supporting the designated use even though shellfish may be harvested from shellfish waters that are seasonal and special restricted. As explained under the statewide use assessment results, the increase in AUs assessed as impaired resulted from changes to the use assessment process and does not reflect on overall decline in water quality conditions.

Figure 2.24A: ACR Assessment Results for Shellfish Use, Spatial Extent

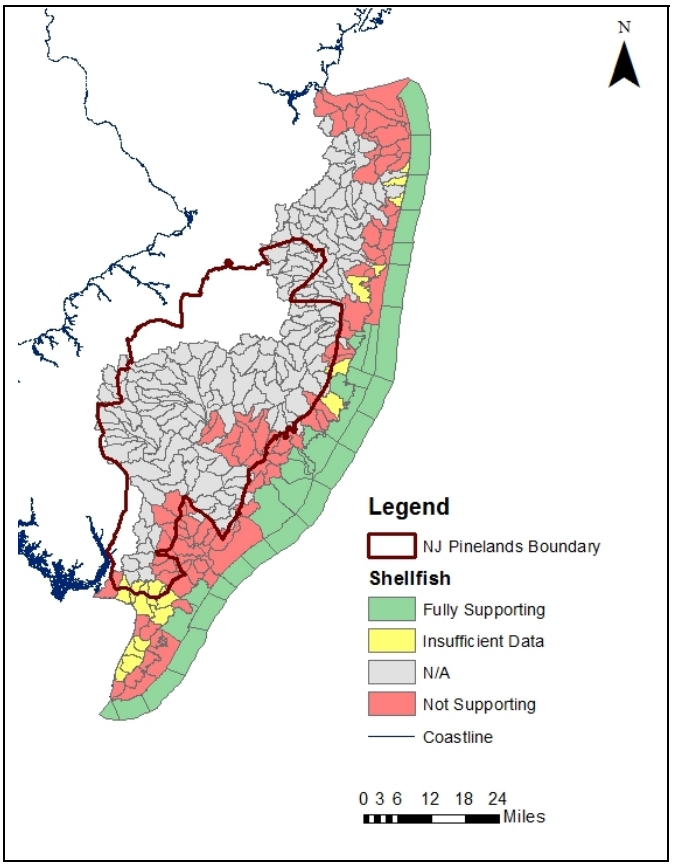
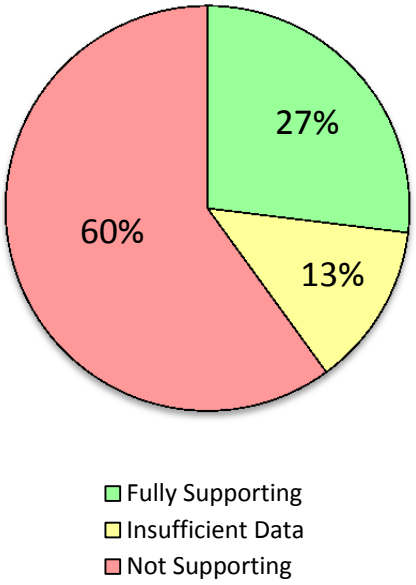


Figure 2.24B: ACR Assessment Results for Shellfish Use, Percent (%)



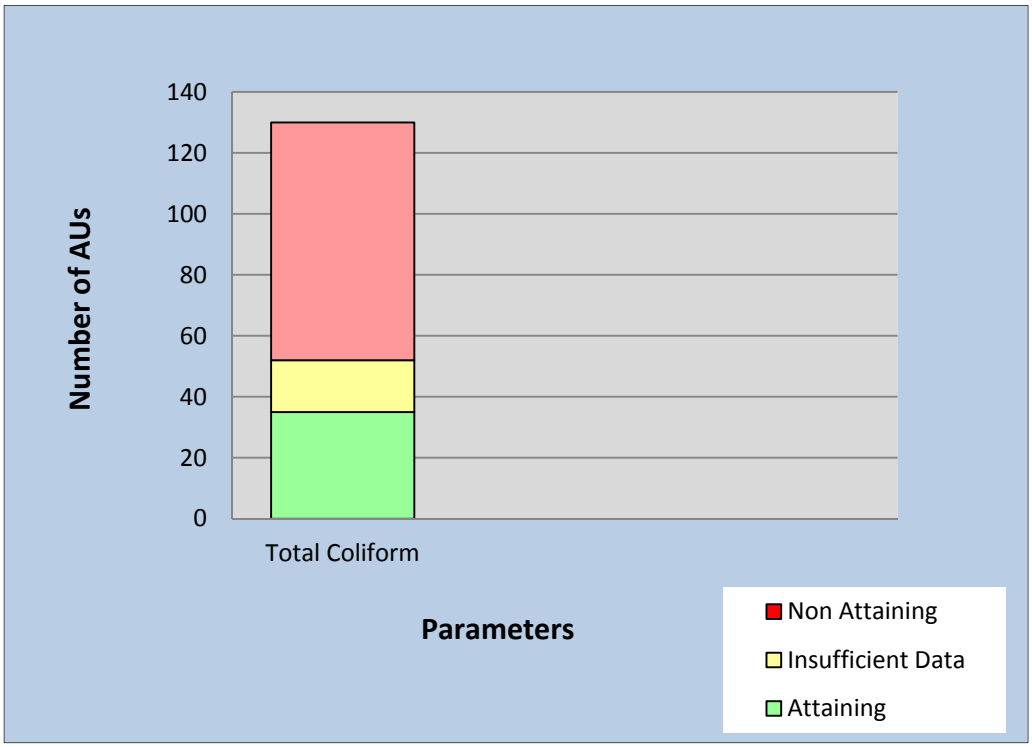
Total Number of Applicable AUs = 130

The shellfish harvest for consumption use is assessed based on total coliform, a pathogenic indicator. Seasonal restrictions are imposed on certain shellfish waters during the summer months as a precaution against impacts from seasonal anthropogenic sources such as marinas, recreational activity, and storm runoff in the back bays, estuaries, and tidal rivers. A majority of the ACR AUs assessed as not supporting the shellfish harvesting use are due to these seasonal

[29] AUs assessed as not supporting the shellfish harvest for consumption use include shellfish waters classified as harvestable with seasonal restrictions and harvestable with special restrictions (i.e., depuration treatment is required), as well as waters where shellfish harvest is prohibited.

restrictions, rather than data showing water quality impairment. Pathogen TMDLs have been developed for most of the impaired waters in the ACR, except for the Raritan Bay and its tributaries, which are classified as special restricted waters that require harvested shellfish to be further purified by relay to approved waters or depuration prior to being consumed. As with recreational use, the ocean waters are of very high quality and fully support the shellfish use from Sandy Hook to Cape May.

Figure 2.25: ACR Assessment Results for Parameters Associated with the Shellfish Use (130 AUs)



Fish Consumption: None of the ACR's 293 AUs fully support the fish consumption use; however, 71% of AUs have insufficient information to assess the use, primarily due to a lack of fish tissue data (see Figures 2.26A and B). Where data are available, they show that the use is impaired (29% AUs). The fish consumption use is assessed based on bioaccumulative toxins that are used to develop fish consumption advisories. All new fish tissue data in ACR waters exceed the standard for unrestricted fish consumption, except for mercury in fish tissue in the Raritan Bay and two tributaries (Navesink River and Matawan Creek).

Figure 2.26A: ACR Assessment Results for Fish Consumption Use, Spatial Extent

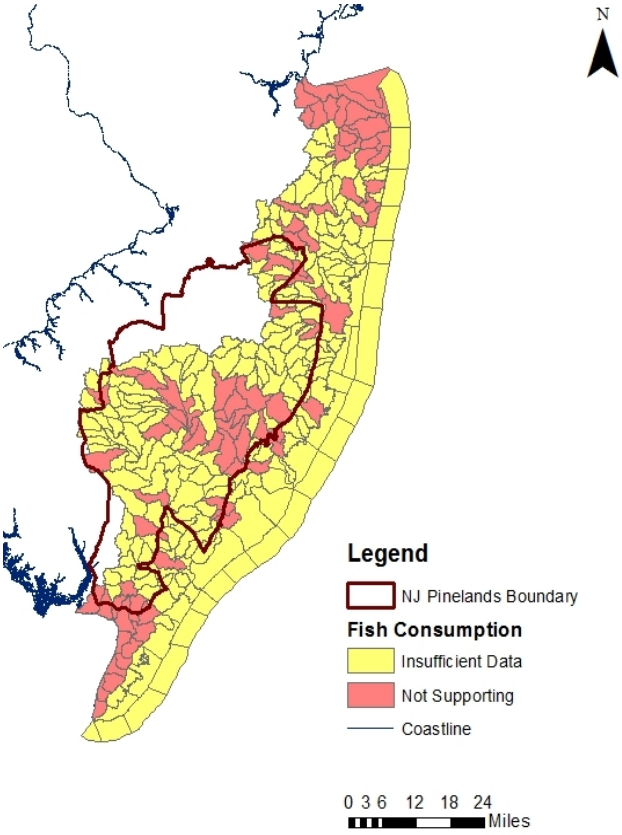
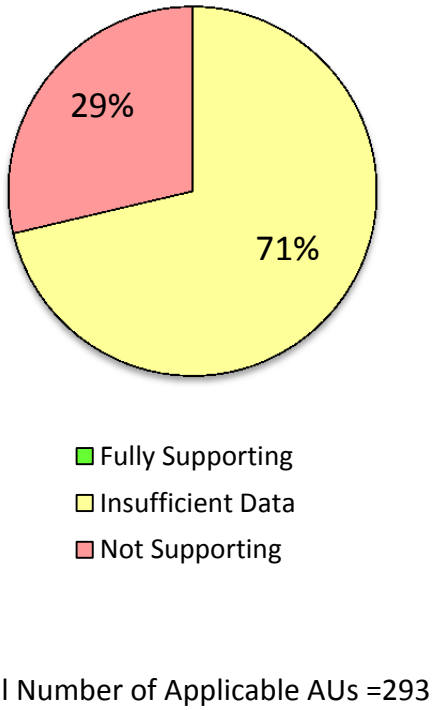


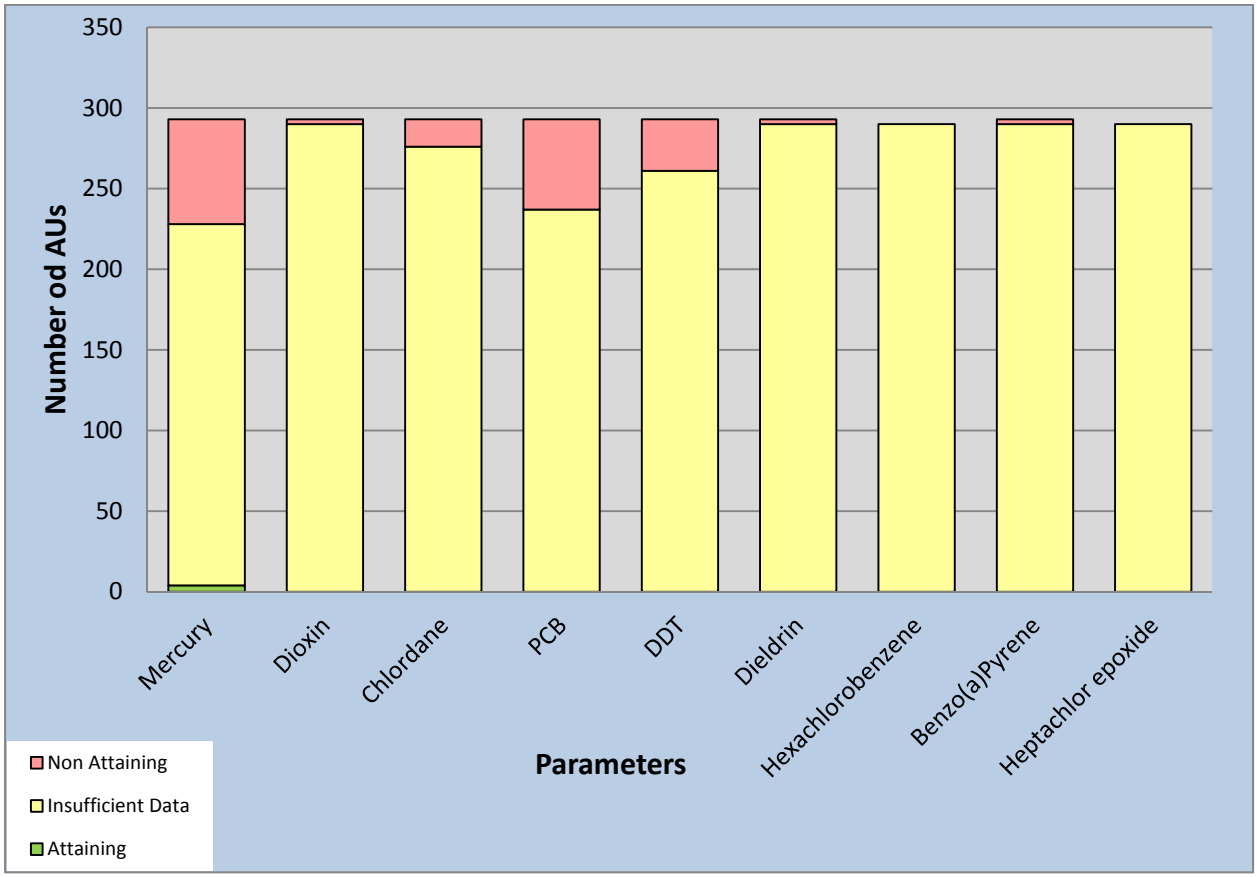
Figure 2.26B: ACR Assessment Results for Fish Consumption Use, Percent (%)



Total Number of Applicable AUs =293

Mercury and PCB in fish tissue are the predominant causes of use impairment (see Figure 2.27) although, as discussed earlier, PCB in fish tissue along the Atlantic Coast is no longer on the 303(d) List because the waters from which the fish contamination arose are unknown. Other causes of use impairment found in fish tissue or subject to fish advisories are DDT and its metabolites, chlordane, dioxin, dieldrin and benzo(a)pyrene.

Figure 2.27: ACR Assessment Results for Parameters Associated with the Fish Consumption Use (293 AUs)



The comprehensive regional assessment process allowed the Department to improve confidence in its assessment decisions for the ACR by conducting a detailed analysis of environmental conditions in the region. The comprehensive assessment included a detailed analysis of hydrography, land use, and potential point and nonpoint pollution sources to determine water quality at sampling stations, and to confirm station associations with specific AUs to determine the spatial extent of the ambient water quality each station represents. This enhanced assessment process included a thorough review of sampling sites to identify inappropriate locations or associations that resulted in invalid use assessment decisions, such as:

- benthic macroinvertebrate sampling stations located below lakes and impoundments or in headwaters, which skew the biological index;
- chemical sampling stations located in wetlands that misrepresent ambient water quality conditions within the AU; and
- biological/chemical stations located along the head of tide, which are influenced by tidal waters and not appropriate for assessment of freshwater or biological criteria.

The comprehensive regional assessment also allowed for consideration of results from nearby sampling stations and historical data to confirm current water quality conditions. Restoration

activities that were associated with improved water quality were identified. Natural conditions were thoroughly investigated, such as low pH conditions in waters surrounding the Pinelands Reserve and pH-influenced low dissolved oxygen levels within the Pinelands. Potential pollutant sources were also identified, specifically in impaired waters that had minimal development or point sources, such as within the Pinelands and other less developed watersheds. The comprehensive assessment of the Atlantic Coastal Region resulted in an increase in the number of thorough, validated, high confidence assessment decisions regarding ambient water quality conditions. The comprehensive assessment also identified data gaps to guide future water quality sampling, sources of impairment on which to focus restoration activities, and new water quality issues for future investigation.

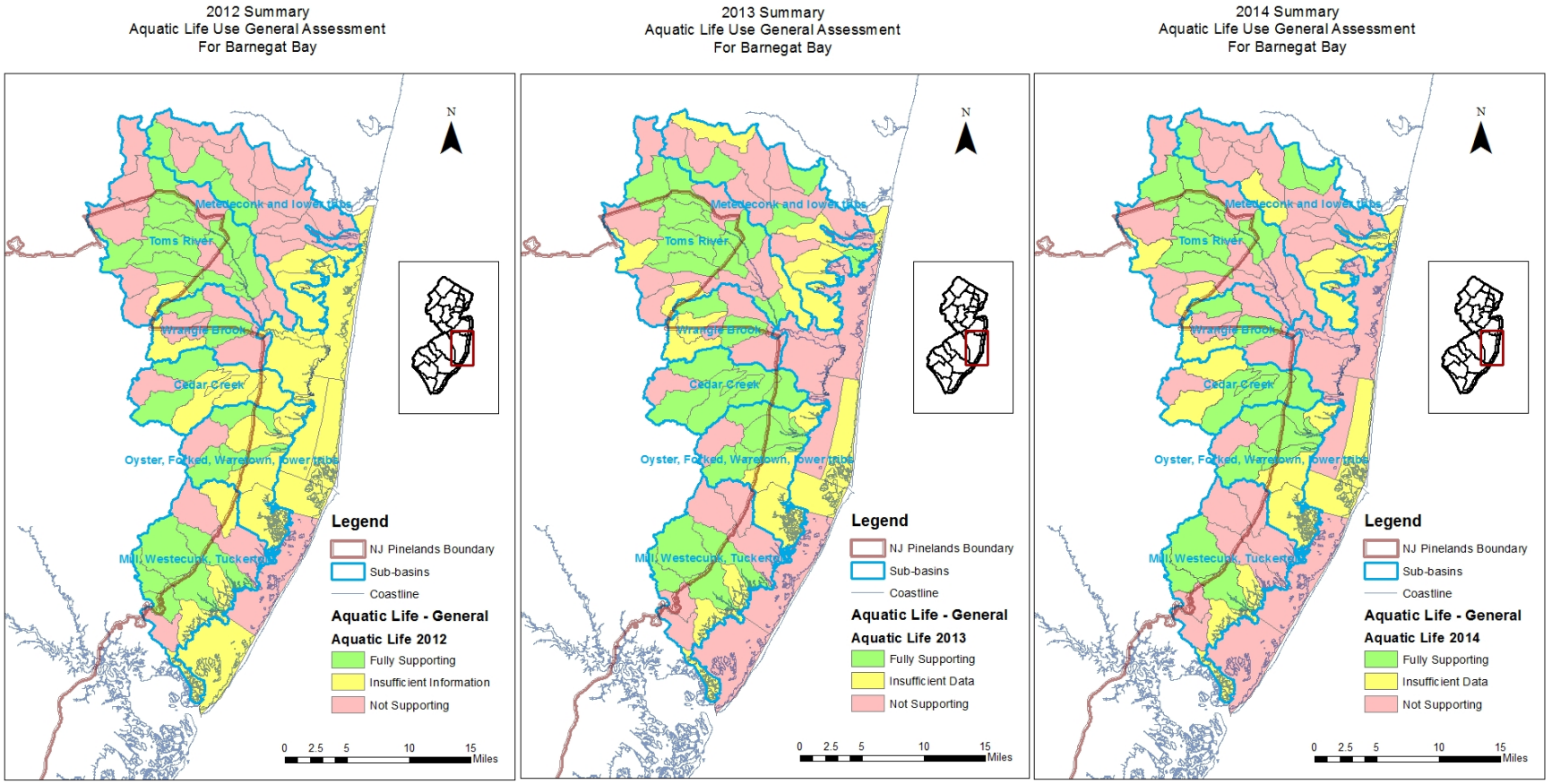
2.4: Water Quality Conditions in the Barnegat Bay Watershed

The 660-square-mile Barnegat Bay Watershed encompasses most of the 33 municipalities in Ocean County and four municipalities in Monmouth County. The land draining to the bay has a population of more than 550,000, which increases significantly during the summer season. The entire watershed has undergone dramatic growth since 1950, resulting in a shift in land uses from primarily forest, wetlands and agricultural to various forms of suburban development. There has been growing concern about the health of Barnegat Bay. As part of Governor Chris Christie's 10-point Action Plan to address the ecological health of the Barnegat Bay watershed, Element 7 calls for "Adopting More Rigorous Standards" and Item 9 calls for "Fill in the Gaps in Research". As a result, an intensive water quality monitoring effort was conducted by the Department and 13 partners between 2011 and 2013. This new volume of data, combined with data collected by the Department and other organizations' routine sampling networks (such as Brick Township MUA, Monmouth County Health Department, and the Pineland Commission), generated a rich dataset that enabled a comprehensive assessment of water quality within the Barnegat Bay Watershed.

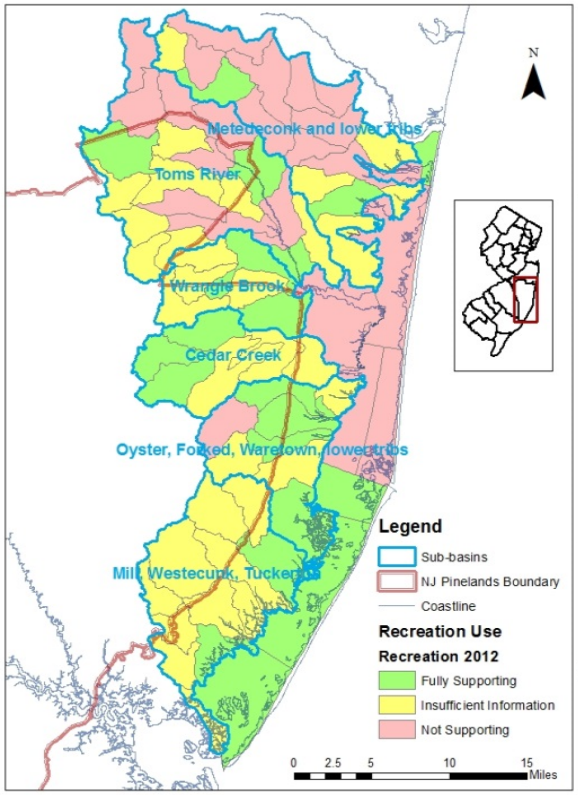
The Barnegat Bay Watershed consists of 76 Assessment Units (AUs); 67 AUs are within the tributaries to the Bay and 9 AUs are within the Bay itself. The delineation of AUs for the Bay waters was an outcome of the intensive monitoring conducted for Action Plan Items 7 and 9, which showed a difference between tributary and bay waters in terms of water quality and hydrodynamic features that was not captured by the USGS HUC 14-based delineations used previously. Evaluation of the intensive monitoring data allowed a delineation of AUs that reflected actual water quality response similarities, compared to the HUC delineations, which simply extend the land based drainage lines across the open waters.

The intensive monitoring conducted under Action Plan Items 7 and 9 also demonstrated that the intensity and timing of data collection generate significantly different assessment results from those generated from a relatively small sample size and/or infrequent sampling traditionally used for previous water quality assessments. Figure 2.26 illustrates the different in assessment results for general aquatic life and recreation uses in Barnegat Bay's 96 AUs over three different time periods, with 2012 representing the results of the traditional amount of water quality data available, and 2013 and 2014 representing results based on data of increased quality and robustness.

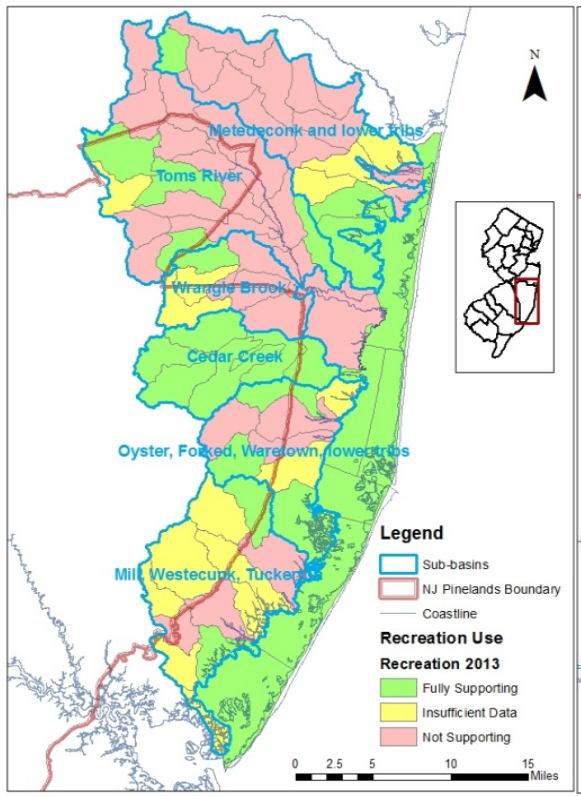
Figure 2.26: Comparison of General Aquatic Life and Recreation Uses 2012-2014



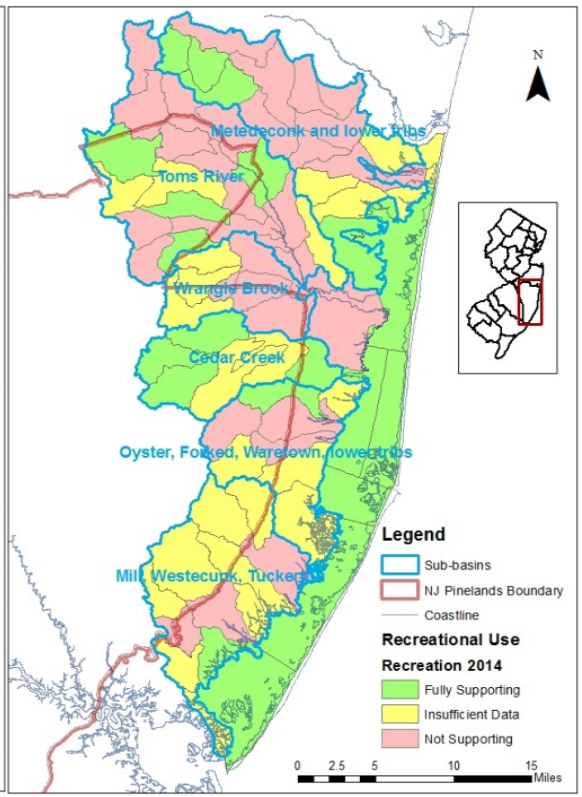
2012 Summary
Recreation Use Assesment
For Barnegat Bay



2013 Summary
Recreation Use Assesment
For Barnegat Bay



2014 Summary
Recreation Use Assesment
For Barnegat Bay



Chapter 3: Water Quality Trends

Much of the water quality data supporting the integrated assessment are collected over a five-year period, which provides a "snapshot" of conditions during that timeframe. Evaluating data over longer periods allows us to identify water quality trends and acute conditions that would otherwise not be apparent.

3.1: Chemical Trend Analysis Results

The following trend analysis of chemical constituents is based upon three studies (Hickman and Gray, 2010[30]; Todd Trench, *et al.*, 2011[31]; and Heckathorn and Deetz, 2012[32]) published by the U.S. Geological Survey (USGS) using water quality data collected from multi-site monitoring networks over various long-term periods.

Hickman and Gray evaluated water quality trends at 69 individual long-term monitoring sites over a ten-year period (1998 – 2007) using a statistical method that corrected for flow variation over time. This study observed total phosphorus decreasing at 12 sites and increasing at five others. Total organic nitrogen decreased at six sites but increased at nine others. Nitrate decreased at four sites but increased at 19. The Hickman and Gray study found roughly the same results as Heckathorn and Deetz with some exceptions. Both reports found a universal increase in dissolved solids.

Todd Trench, *et al.* looked at 11 years and in some cases 29 years of data taken from the North East U.S., including 20 sites in New Jersey. Todd Trench et al (2011) assessed total nitrogen, total phosphorus, and nitrate plus nitrite concentrations in the Northeastern U.S. covering the period between 1975 and 2003 producing a long-term perspective of nutrient enrichment from the 1970's to more recent conditions. Ten sites in New Jersey had sufficient data to support such a long-term assessment. Total phosphorus declined at four sites and showed an upward trend at one site. The remaining sites exhibited no trends. Total nitrogen declined at four sites and increased at one. Nitrate plus nitrite increased at five sites and declined at one.

In contrast to the aforementioned studies, Heckathorn and Deetz used a randomly selected probabilistic network of over 370 sites looking at statewide medians thereby evaluating an overall state-wide trend rather than trends by individual stations. The Heckathorn and Deetz study represents the most recent analysis of water quality trends for New Jersey, conducted in 2012. The report evaluated key indicator parameters including: dissolved chloride, total dissolved solids (TDS), total and dissolved phosphorus, total nitrogen, and dissolved nitrate plus

[30] Hickman, R. and Gray, B. 2010. Trends in the Quality of Water in New Jersey Streams, Water Years 1998-2007. U.S. Geological Survey, Scientific Investigations Report 2010-5088. Available at http://pubs.usgs.gov/sir/2010/5088/

[31] Todd Trench, E. et al. 2011. Nutrient Concentrations and Loads in the Northeastern United States – Status and Trends, 1975-2003. U.S. Geological Survey, Scientific Investigations Report 2011-5114. Available at http://pubs.usgs.gov/sir/2011/5114/index.html

[32] Heckathorn, H. and Deetz, A. 2012. Variations in Statewide Water Quality of New Jersey, Water Years 1998-2009. U.S. Geological Survey, Scientific Investigations Report 2012-5047. Available at http://pubs.usgs.gov/sir/2012/5047/

nitrite. The analysis was based on data collected at over 370 sampling stations located in various physiographic regions and land use types throughout the State. These chemical constituents were selected because of their role in eutrophication (i.e., excessive primary production) as well as overall water quality.

The 1998 to 2009 analysis shows median concentrations of TDS, chlorides, dissolved nitrate plus nitrite and total nitrogen increased statewide during the assessment period. Dissolved phosphorus showed no trend; total phosphorus did vary throughout the period but in an inconsistent pattern.

What is behind these observed trends?

When results are viewed from the longer time period beginning from the mid 1970's, the overall water quality trend indicate that nutrient levels as reflected in total phosphorus and total nitrogen have improved over time – most likely due to the upgrade and regionalization of wastewater treatment plants that occurred throughout the State in the late 1980's through the early 1990's.

Changes in total phosphorus in the more recent period observed on a site specific basis are mixed and likely reflect more localized land use changes. Where improvements are observed, they are likely the result of implementing phosphorus limits in New Jersey Pollution Discharge Elimination System (NJPDES) permits, Section 319(h) nonpoint source pollution control projects, and stewardship activities at the local level aimed at reducing nonpoint source of pollution.

More recent trends for nitrogen show that increases in nitrate accompany decreases in ammonia. This increase in nitrate is most likely due to the successful efforts of the Department to reduce ammonia discharges from wastewater treatment facilities by oxidizing it to nitrate. Ammonia is more deleterious to the environment because it creates an oxygen demand, thereby lowering dissolved oxygen in the water. In addition, ammonia can also be toxic to aquatic life under certain conditions and is the nutrient of choice for blue green algae, a noxious and sometimes toxic alga when present in large quantities.

TDS and chloride increases have been associated with runoff from urban and agricultural areas, especially runoff of salt used to control ice on roadways. Winter storm-related data supports a correlation between road salting and increased TDS levels in the water column. The data reviewed to develop the Integrated Report identifies numerous occasions of excessive TDS concentrations as well as chlorides that coincide with winter storm events of most years; however, the number of chloride exceedances resulting in use impairment remains relatively low. Discharges from wastewater treatment facilities, including septic systems, can also contribute to increased TDS loadings. The increasing TDS trends were found in all types of land uses (urban, agricultural, mixed, and undeveloped) and physiographic regions.

3.2: Trends in Biological Health of New Jersey Streams

Ambient Biological Monitoring Network (AMNET)

The Department's statewide Ambient Biological Monitoring Network (AMNET) has been in place since 1992, providing an assessment of both current status and historical trends in benthic macroinvertebrate populations (insects, worms, mollusks, and other indicator species) in freshwater streams. As of 2014, the network consisted of over 750 stations distributed equally throughout the State's five water regions: Northwest, Lower Delaware, Atlantic Coastal, Raritan, and Northeast regions (see Figure 3.0). Stations in each region are sampled once every five years. When all the stations in each region are sampled this is called a "round".

New Jersey benthic macroinvertebrate communities can be grouped into three distinct community types based on geographical regions. To account for these distinctions, three separate indices have been developed for each of the unique geographic regions of the State: the high gradient region, the coastal plains, and the Pinelands (see Figure 3.1). The High Gradient Macroinvertebrate Index (HGMI), the Pinelands Macroinvertebrate Index (PMI), and the Coastal Plains Macroinvertebrate Index (CPMI) each provide four tiers of assessment that are applicable to wadeable nontidal streams; Excellent, Good (both regarded as not impaired), Fair and Poor (regarded as impaired).

Figure 3.0: AMNET Stations

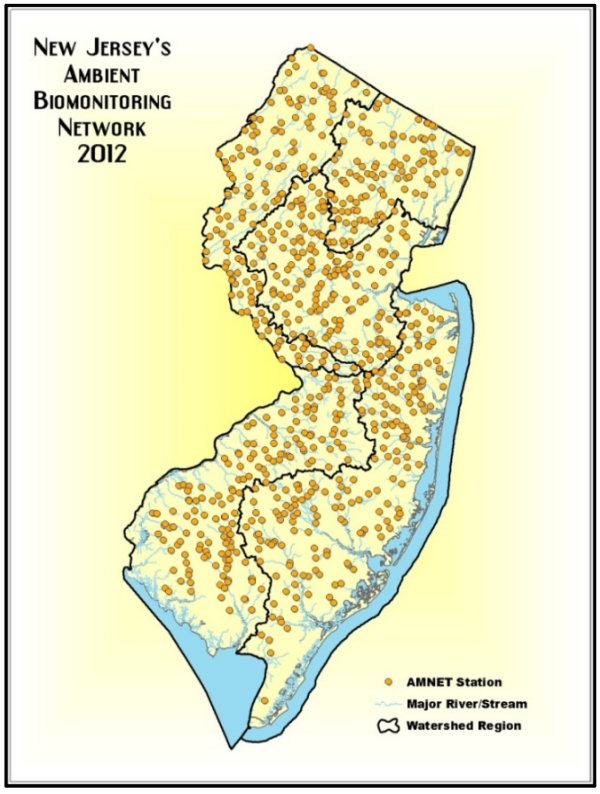
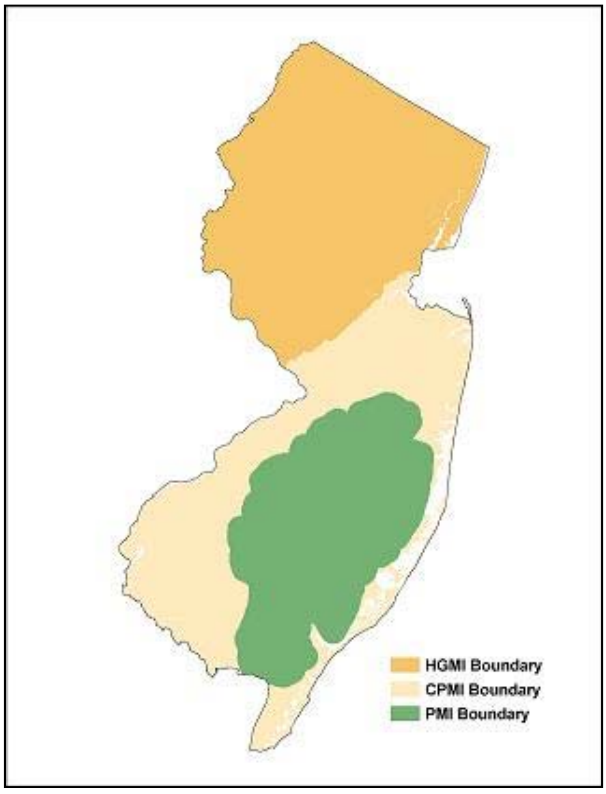


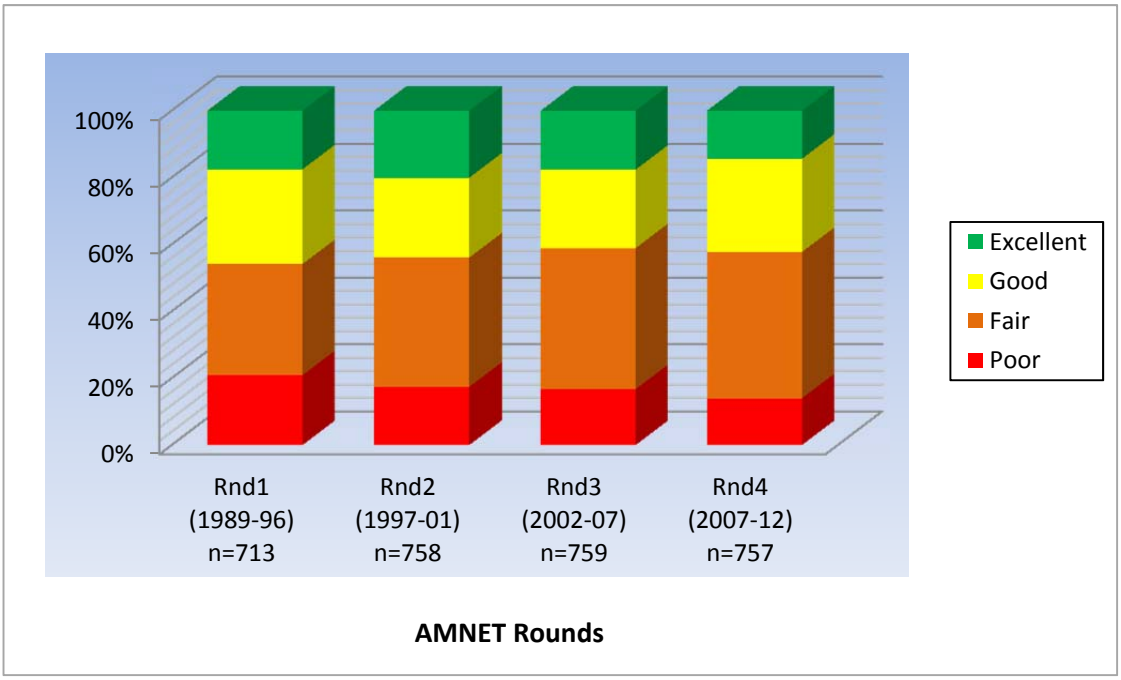
Figure 3.1: Ecoregion/Index Boundaries



For the purposes of this trend assessment and to facilitate comparison purposes, earlier round results have been recalculated using the currently adopted genus level multi-metric indices. Round 1 raw data were recorded for each site at the family level, rather than genus level taxonomy. In addition, some sites in Rounds 1 and 2 were sampled outside the currently accepted index period of April through November; however, the effect on index scores is minimal.

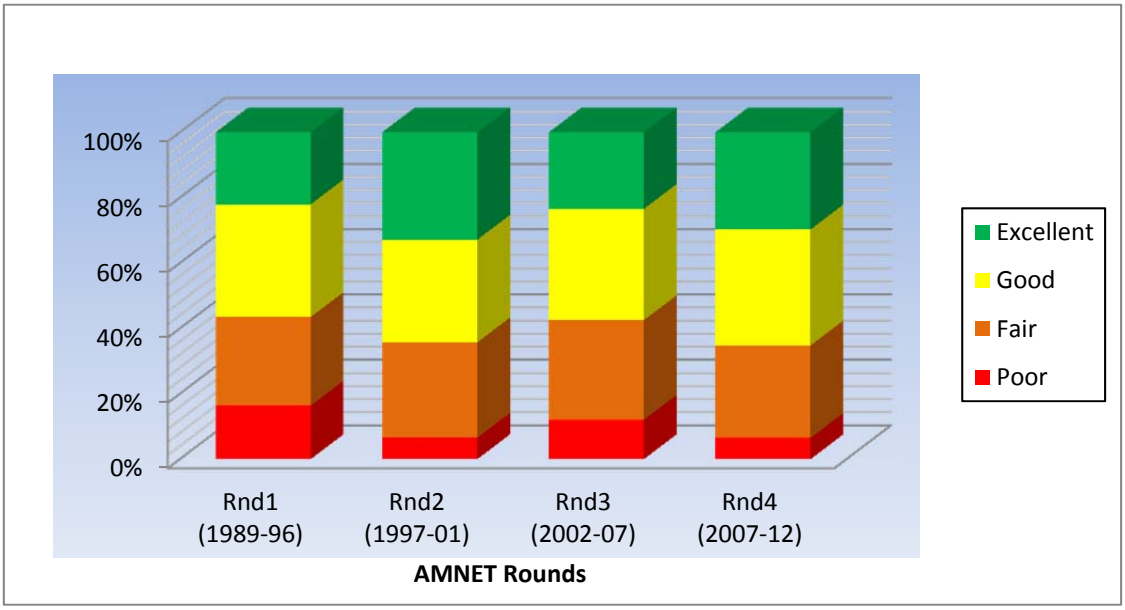
The Department has now completed four rounds of AMNET sampling statewide. Overall, the statewide trend shows very little change from 1989 to 2014, although there was a slight negative trend toward impaired conditions (see Figure 3.2). Stations with the best results ("Excellent") and the worst conditions ("Poor") both showed decreasing numbers over the time period. The strongest trend was the steady increase in the number of "Fair" stations that contributed to the improvement at "Poor" stations and the decline of non-impaired ("Excellent" and "Good") sites.

Figure 3.2: AMNET Results Statewide



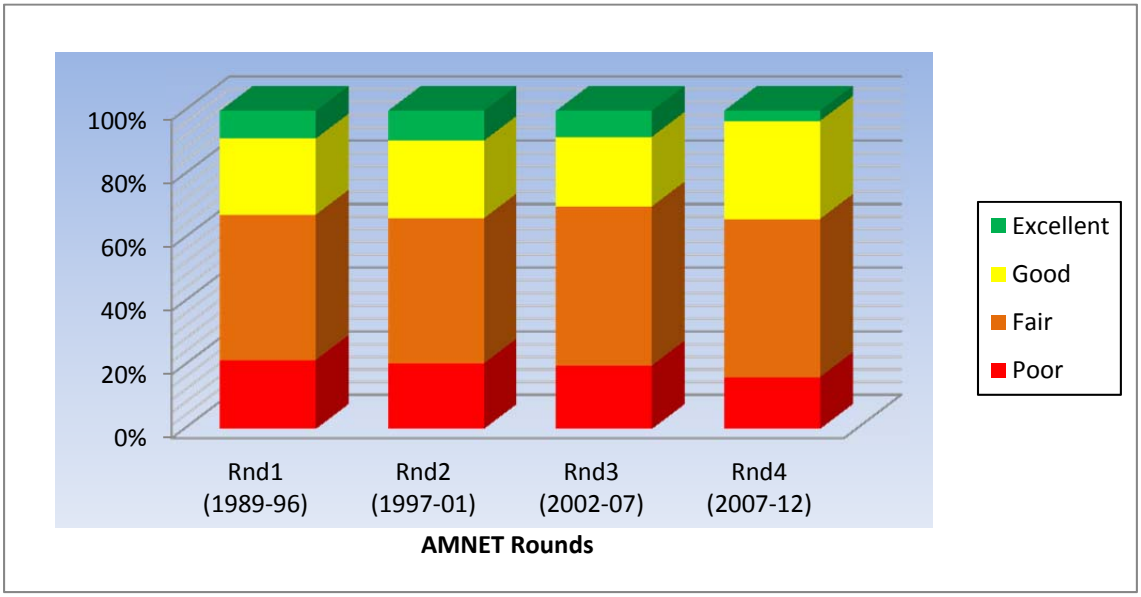
However, this statewide tendency toward "Fair" conditions of macroinvertebrate communities was not evident in all of the water regions of the state. In the Northwest Region for example, overall trends showed improving conditions with some vacillation between Round 2 and Round 4. The number of "Excellent" stations increased, while "Poor" stations decreased, and "Good" and "Fair" stations remained relatively steady (see Figure 3.3).

Figure 3.3: AMNET Results in the Northwest Region



In the Lower Delaware Region, benthic macroinvertebrate communities showed very little change. The number of non-impaired (Excellent, Good) and impaired (Fair, Poor) stations remained stable; however, there was a slight trend from the extreme conditions toward the middle assessment categories with the number of "Excellent" stations decreasing and the number of "Poor" stations improving, with increasing numbers of both "Good" and "Fair" stations (see Figure 3.4).

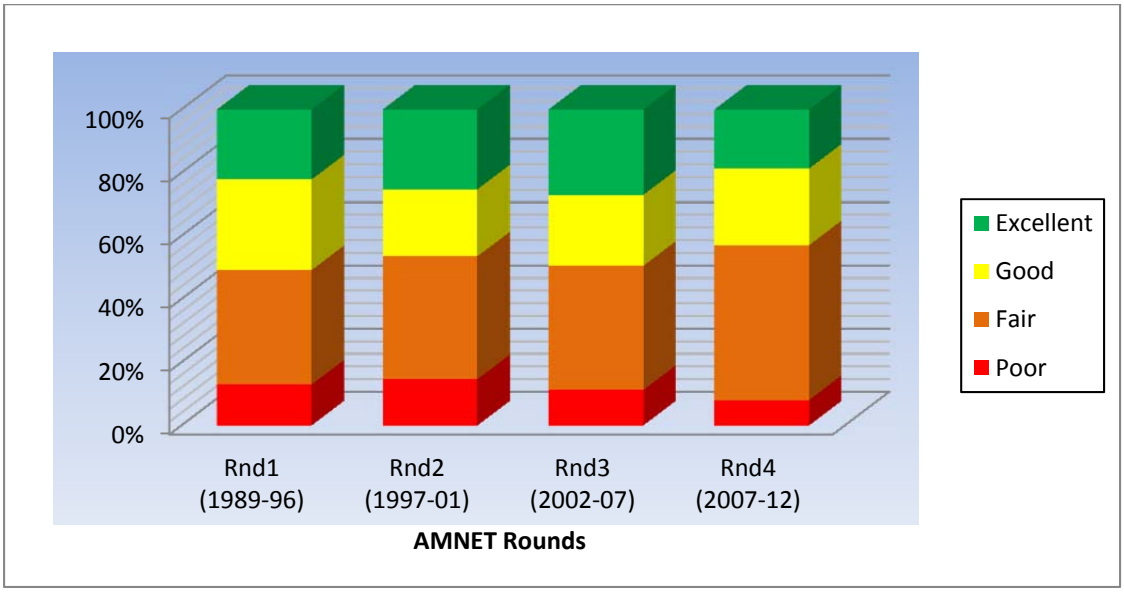
Figure 3.4: AMNET Results in the Lower Delaware Region



In the Atlantic Coastal Region (Figure 3.5), the benthic macroinvertebrate trends were similar to statewide results. The strongest trend was the steady increase in the number of "Fair" stations

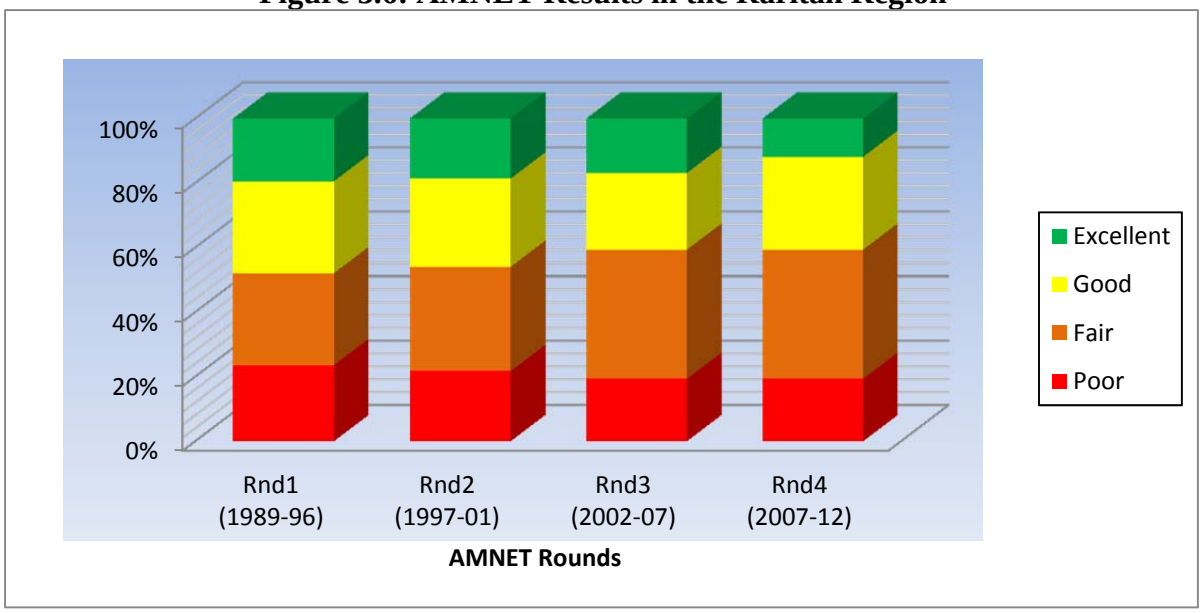
that contributed to the improvement at "Poor" stations and the degradation of non-impaired ("Excellent" and "Good") sites. The exception was the number of "Excellent" stations that showed an increasing trend until the last round, which exhibited a significant drop off.

Figure 3.5: AMNET Results in the Atlantic Coastal Region



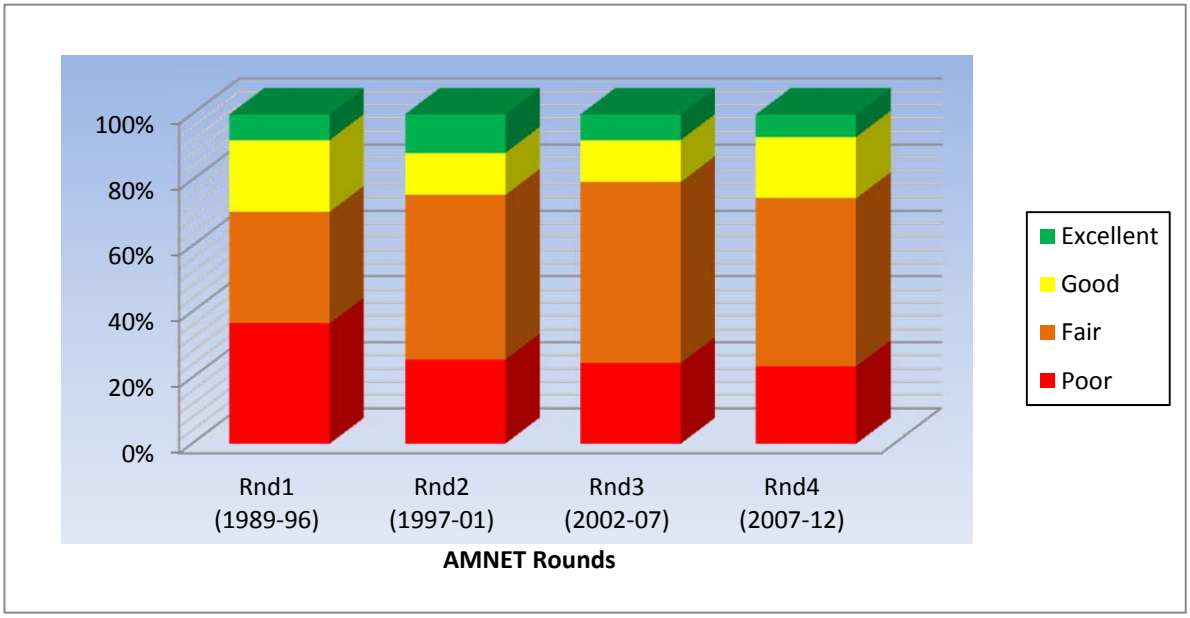
The Raritan Region (see Figure 3.6) also showed results similar to the statewide trend, with a steady increase in "Fair" results accompanied by an overall decrease in the number of "Poor" sites and a decrease in the number of "Excellent" stations. The number of "Good" stations remained stable throughout the time period.

Figure 3.6: AMNET Results in the Raritan Region



In the Northeast Region, conditions still display a highly impacted benthic macroinvertebrate community. While the number of sites reflecting "Poor" conditions have shown a steady improvement toward "Fair" conditions, "Excellent" and "Good" sites have exhibited declining conditions over the same time period (see Figure 3.7).

Figure 3.7: AMNET Results in the Northeast Region



Further investigation is necessary to determine why an individual site's biological assessment declined or improved, and if these changes are related to water quality or to events such as droughts and floods. Ongoing site-specific evaluations, such as stressor identification studies, explore changes in water quality to determine causes of impairment at selected sites; however, the AMNET data show a correlation between benthic macroinvertebrate community impairment and different physiographic land types, land uses, and other anthropogenic factors.[33] A 2000 USGS study[34] concluded the following:

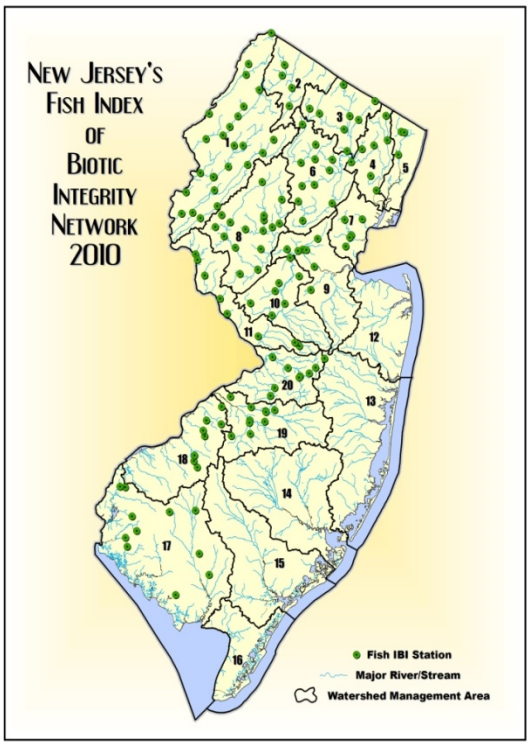
- Invertebrate communities and fish were commonly impaired in urban streams;
- Invertebrate community impairment was related to total urban land and total wastewater flow upstream of a site;
- Changes in aquatic community structure were statistically related to environmental variables. For example, an increase in impervious surfaces was related to a negative response in the aquatic invertebrate community.

[33] U.S. Geological Survey. 1998. Relation Of Benthic Macroinvertebrate Community Impairment To Basin Characteristics In New Jersey Streams. Fact Sheet FS-057-98. USGS. West Trenton, New Jersey.
[34] Ayers, M., Kennen, J., Stackleberg, P., Kauffman, L. 2000. Building A Stronger Scientific Basis For Land Use Planning And Watershed Management Effects On Water Quality And Aquatic Communities In NJ Streams. USGS. West Trenton, New Jersey.

The AMNET network will continue to monitor the combined effect of population growth, improved land use practices, and mitigation efforts on water quality.

Fish Index of Biotic Integrity Network

Figure 3.8: FIBI Monitoring



As discussed above, monitoring of benthic macroinvertebrate populations is widely practiced in New Jersey; however, these species generally are reflective of relatively short-term and local impairment. In summer 2000, the Department began using a fish index of biotic integrity (FIBI) to monitor New Jersey's streams. FIBI measures the health of a stream based on multiple attributes of the resident fish, such as species type and number, and the presence of disease. Each site sampled is then scored based on its deviation from reference conditions and classified as "poor", "fair", "good", or "excellent". In addition, habitat is evaluated at each site and classified as "poor", "marginal", "suboptimal", or "optimal".

The primary objectives of fish collection for this network are to obtain samples with representative species and abundances, at a reasonable level of effort. Using similar stream lengths, collection methods, and habitat types allows standardization of sampling efforts. Stream segments selected for sampling must have a minimum of one riffle, run, and pool sequence to be considered representative. The data provided by the FIBI network has become another component of the Department's suite of environmental indicators and helps assess attainment of aquatic life uses and the Clean Water Act goal of "fishable" waters. FIBI data is also being used to develop biological criteria, prioritize sites for further studies, provide biological impact assessments, and assess status and trends of New Jersey's freshwater fish assemblages. Data collected from the Northern FIBI Network are used, in part, to determine if waters qualify for Category One antidegradation designation based on exceptional ecological significance (see Chapters 2 and 5, Surface Water Quality Standards).

<u>Northern FIBI Network:</u>

With the completion of the 2011 sampling season, the Department established a 98-station FIBI monitoring network in northern New Jersey (see Figure 3.8). The monitoring network consists of fixed, probabilistic and sentinel sites. Fixed stations are visited once every five years as part of the Department's ambient monitoring efforts. The 2009 season marked the end of the second round of sampling, in which the Department returned to the network sites originally sampled in 2004. From 2000-2004, the Department sampled 90 FIBI sites in the northern portion of the state covering the Counties of Sussex, Warren, Hunterdon, Passaic, Bergen, Union, Essex, Mercer, Middlesex, and Somerset. In an effort to ensure sensitivity to anthropogenic stressors, the Northern FIBI was re-evaluated in 2005 using Round 1 data (2000-2004). This recalibration resulted in modifications in scoring criteria and species lists for several metrics. The 2009 season

is the fifth year in which the revised metrics were utilized. Previous year's data (2000-2004) have been rescored for the purposes of trends analysis in this report, with the revised ratings shown in Figure 3.9. From 2005-2007, the Department sampled 90 FIBI sites in the northern portion of the state covering the Counties of Sussex, Warren, Hunterdon, Passaic, Bergen, Union, Essex, Mercer, Middlesex, Morris, and Somerset. This dataset includes five years of data from this second round (see Figure 3.10).

Figure 3.9: FIBI Results, 2000-2004

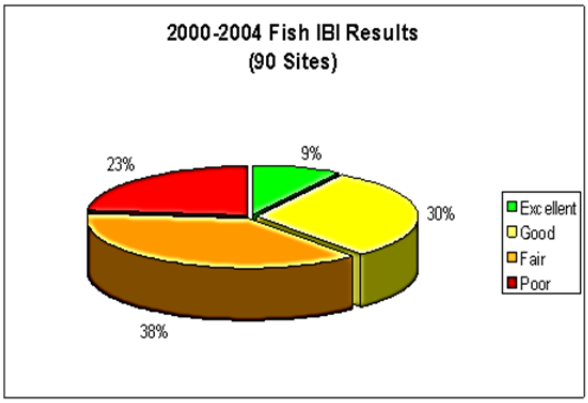
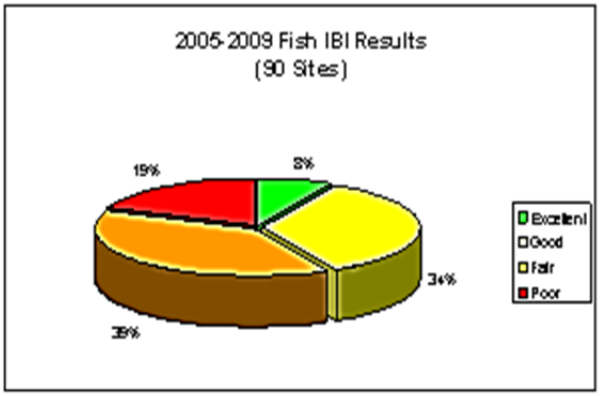
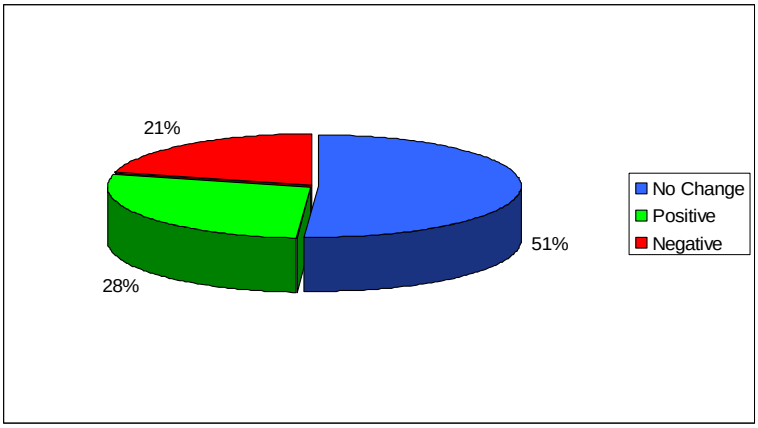


Figure 3.10: FIBI Results, 2005-2008



The observed trend in FIBI ratings for the northern New Jersey stations is summarized in the Figure 3.11. Between the first (2000-2004) and second (2005-2009) round of Fish IBI monitoring, for the 90 common sites sampled, 28% exhibited a positive change in impairment rating, 21% exhibited a negative change in impairment rating, and 51% exhibited no change in impairment rating. On the whole, these trends would seem to indicate a "status-quo", with a slight positive trend. Almost as many stations are showing an improvement as are exhibiting degradation over a five year time period. However, both the negative and positive trends are marginal ones reflecting shifts in impairment to an adjoining category; for example, from a "Poor" rating to a "Fair" rating or the reverse.

Figure 3.11: Ninety Common Sites



Outlook and Implications

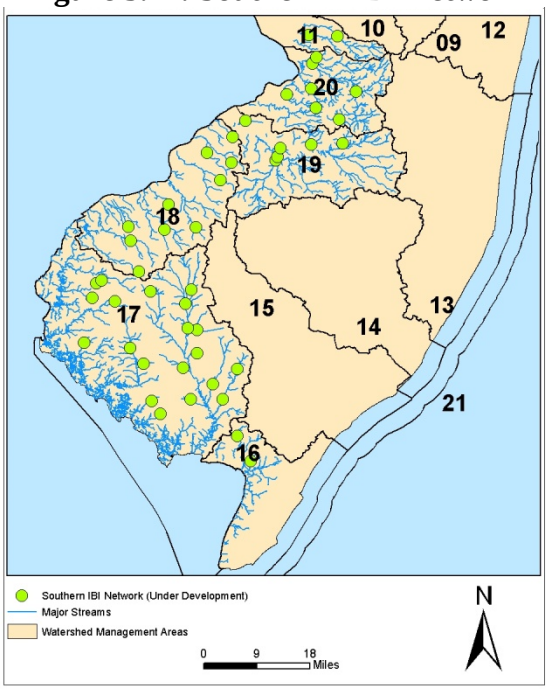
Rounds 1 and 2 data indicate fish biotic integrity is highly sensitive to anthropogenic stressors including impervious cover, siltation, and increased run-off from storm water outfalls. This data concludes the following:

1) Fish IBI data indicates a significant ($r^2 = 0.32$) decline in fish biotic integrity with increasing impervious cover
2) Benthic fish species exhibit a sharp decline ($r^2 = 0.32$) with increasing urbanization
3) Round 2 Fish IBI data indicates a higher occurrence of external deformities (DELT anomalies) in urbanized streams

Southern Fish IBI Network**:**

During the summers from 2007 to 2011, data was collected from an expanded Fish IBI network that included portions of southern New Jersey, marking measurable progress in achieving the Department's goal for a statewide network consisting of at least 150 stations by the end of calendar year 2012. Figure 3.12 shows the location of the sampling stations monitored in southern New Jersey to date. Validation of the Southern FIBI network was completed in 2012.

Figure 3.12: Southern FIBI Network



Lakes Fish IBI Assessment:

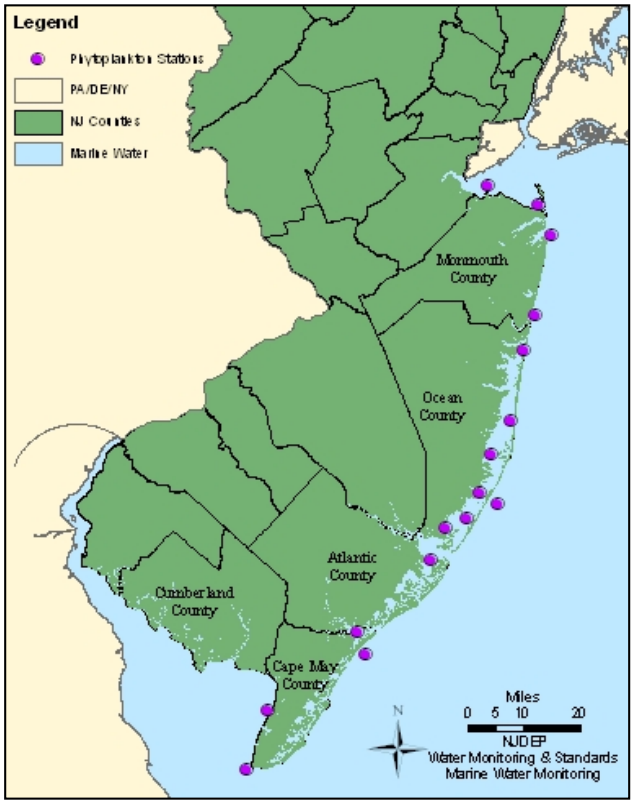
In general, current lake water monitoring programs lack direct assessment and reporting on biological conditions. This is partly attributed to a lack of development of biological assessment protocols. Through the use of boat electrofishing, fish samples were collected from the littoral zone of 22 lakes in New Jersey during the summers 2002-2006. Fish data were evaluated for the potential development of an index of biological integrity (IBI). Twenty-five species of fish in the families: Anguillidae, Catostomidae, Centrarchidae, Clupeidae, Cyprinidae, Cyprinodontidae, Esocidae, Ictaluridae, and Percidae were collected. A set of fish species richness and composition metrics were examined for their general response to a gradient of land use conditions. Results indicate that some attributes of the littoral fish assemblage may be used to assess the ecological health of New Jersey lakes. However, additional information on the responses of the littoral fish assemblage to specific physical habitat and water quality parameters is needed before an IBI can be developed.

Data and reports for the all eleven years (2000-2010) of New Jersey's FIBI network may be obtained by visiting the Department's Web site at www.state.nj.us/dep/wms/bfbm.

3.3: Assessment of Coastal Phytoplankton

Phytoplankton are microscopic plants that float in coastal waters. Under normal conditions, they are beneficial and form the base of the food chain on which most other marine life depend. The Department monitors phytoplankton assemblages and looks for the presence of blooms each summer in New Jersey's coastal waters and major estuaries (see Figure 3.13) as part of the State's compliance with the National Shellfish Sanitation Program (NSSP). The National Shellfish Sanitation Program requires that each coastal state develop a contingency plan that includes control measures for marine biotoxins. Filter-feeding molluscan shellfish, known as bivalves (clams, oysters, and mussels) are capable of accumulating toxins that may be produced by certain algal species. The phytoplankton-monitoring program provides surveillance of shellfish growing areas for possible toxin-producing algal species, which are identified and enumerated along with other phytoplankton present.

Figure 3.13: Coastal Phytoplankton Monitoring Stations



The primary purpose of this program is to ensure that shellfish harvested in New Jersey are not toxic for human consumption due to the presence of certain phytoplankton known to produce toxins. However, algal blooms may have other harmful effects, including marine fauna kills, mild toxicity to bathers, and reduced aesthetic quality. In the past, this information was obtained cooperatively with USEPA Region 2 during their summer New York Bight Water Quality helicopter survey; however, that program was terminated in 2014. The Department will continue to utilize its aircraft remote sensing program to estimate chlorophyll levels in New Jersey's coastal waters. This program provides a valuable perspective on algal conditions and trends see http://www.nj.gov/dep/bmw/phytoplankton.htm.

Historical information on algal conditions in New Jersey's estuarine and coastal waters is available in the weekly reports (June through August) of algal conditions in New Jersey coastal waters, entitled "Annual Summary of Phytoplankton Blooms and Related Conditions in New Jersey Coastal Waters Summer" that are available on the Department's Web site at http://www.state.nj.us/dep/wms/bmw/phytoplankton.htm. Periodically toxic species are identified, but rarely in bloom conditions.

Chapter 4: New Jersey's Water Quality Management Programs - Protecting and Restoring Water Quality

This chapter outlines the Department's approach and associated programs designed to protect, maintain, enhance, and restore water quality and to ensure the protection of ecological and public health in all waters of the State. This overarching goal, articulated in the federal Clean Water Act as well as New Jersey's Water Quality Planning Act, N.J.S.A. 58:11A-1 et seq.; and Water Pollution Control Act, N.J.S.A. 58:10A-1 et seq.; serves as the foundation for the Department's water quality management programs. The New Jersey Water Quality Planning Act (NJWQPA) was adopted in 1977 and provided the authority needed for New Jersey to implement sections 201, 208, and 303 of the federal Clean Water Act. The purpose of the NJWQPA is to restore, maintain, and preserve the quality of the waters of the State, including both surface and ground water, for the protection and preservation of the public health and welfare, food supplies, public water supplies, propagation of fish and wildlife, agricultural and industrial uses, aesthetic satisfaction, recreation, and other beneficial uses. The NJWQPA endeavors to achieve this purpose by instituting a Continuing Planning Process (CPP) broader in scope than that required under the federal Clean Water Act. New Jersey's CPP integrates statewide and areawide water quality management planning, along with specific measures and programs implemented by the Department, including statewide water quality monitoring and assessment, water quality standards development, TMDLs and discharge permitting.

These programs extend beyond the traditional water pollution control programs identified in the federal guidance for the Integrated Report. New Jersey statutes require comprehensive water resource management and planning that addresses issues such as land use and cumulative impacts to water resources, implementation of regulatory and non-regulatory approaches to environmental restoration, and consideration of environmental factors such as alteration of habitat, flow, substrate, climate, and tree canopy on aquatic life and other water resources. In addition to those cited above, these statutes include the New Jersey Water Supply Management Act, N.J.S.A. 58:1A-1 et seq.; Safe Drinking Water Act, N.J.S.A. 58:12A-1 et. seq.; Freshwater Wetlands Protection Act, N.J.S.A. 13:9B-1 et seq.; Stormwater Management Act, N.J.S.A. 40:55D-93 through 99; Watershed Protection and Management Act, N.J.S.A. 58:29-1 et seq.; Flood Hazard Area Control Act, N.J.S.A. 58:16A-50 et seq.; Wetlands Act of 1970, N.J.S.A. 13:9A-1 et seq.; and Coastal Area Facility Review Act, N.J.S.A. 13:19-1 et seq. The Department administers the CPP pursuant to the New Jersey Water Quality Management Planning rules at N.J.A.C. 7:15. The draft 303(d) List is proposed as an amendment to the Statewide Water Quality Management Plan pursuant to these rules and is adopted once it is approved by USEPA. Additional information is available on the Department's Web site at http://www.nj.gov/dep/wqmp/.

4.1: Surface Water Quality Standards, Monitoring and Assessment

An overview of New Jersey's surface water quality standards, monitoring and assessment programs was provided in the Introduction (Chapter 1). This section provides a more detailed explanation about the role these programs play in protecting and restoring water quality in New Jersey. Water quality standards, monitoring, and assessment provide the scientific foundation for

protecting and restoring New Jersey's water resources, and direct and support the Department's efforts to formulate responses to protect and restore water quality. These efforts include regulatory (e.g., permits), non-regulatory (e.g., environmental education, local stewardship), and funding activities.

Surface Water Quality Standards

The Surface Water Quality Standards (SWQS), N.J.A.C. 7:9B, establish the designated uses and antidegradation categories of the State's surface waters, classify surface waters based on those uses (i.e., stream classifications), and specify the water quality criteria and other policies and provisions necessary to attain those designated uses. Designated uses include water supply for drinking, agriculture and industrial uses, fish consumption, shellfish resources, propagation of fish and wildlife, and recreation. In addition, the SWQS specify general, technical, and interstate policies, and policies pertaining to the establishment of water quality-based effluent limitations.

Under the SWQS, all existing and designated uses shall be maintained and protected for all surface waters of the State. Surface water quality that is better than the applicable criteria must also be maintained and protected. These antidegradation protections apply to all surface waters of the State. Surface waters of the State include rivers, lakes, streams, wetlands, estuaries, and near shore coastal waters. The SWQS provide the basis for assessment of water quality and designated use support. The SWQS, including numeric and narrative criteria, classifications, antidegradation and other policies, are explained in more detail at http://www.state.nj.us/dep/wms/bears/swqs.htm.

The SWQS are used to develop regulatory requirements for other Department programs that will serve to protect the existing and designated uses of the State's surface waters. These programs include the New Jersey Pollutant Discharge Elimination System (NJPDES) program, Site Remediation Program, and various programs implemented by the Division of Land Use Regulation. The SWQS also form the basis for the Integrated Report. Waters that exceed SWQS require the development of total maximum daily loads (TMDLs), which represent the assimilative capacity of surface water for a given parameter of concern, or other alternative approaches to address the impairment.

SWQS are intended to be re-evaluated every three years pursuant to the triennial review requirements of the federal Clean Water Act, and updated as necessary to reflect advances in knowledge or legal requirements. The development of new and revised numeric nutrient criteria and/or translators of narrative criteria is currently a national priority for SWQS enhancement. Controlling excessive nutrients is also a State and national priority for water quality restoration. The Department has developed a Nutrient Criteria Enhancement Plan (NCEP), which can be

found at http://www.state.nj.us/dep/wms/bears/nutrient_criteria.htm. This document explains the Department's approach to developing and enhancing the existing SWQS nutrient criteria and policies to protect designated uses of all New Jersey's surface waters, including saline waters (estuarine and marine).

Nutrient criteria development requires an understanding of the causal relationships between nutrient over-enrichment, various response variables, and documented impacts on attainment of designated and existing uses of New Jersey waters. The NCEP outlines the steps to support nutrient criteria development, including monitoring and data collection; research of causal relationships; selection of appropriate indicators of use impairment; development of new assessment methodologies; development of new/enhanced criteria; and promulgation of the new criteria through amendments to the SWQS. The NCEP explains the details of each of these steps by waterbody type, including priorities, milestones, and where possible, timelines for nutrient criteria development and further study. The Barnegat Bay, which is the subject of the Governor's 10-Point Action Plan, is identified as a priority for estuarine criteria development in the NCEP, in order to meet Item 7 of the Action Plan: "Adopt more rigorous water quality standards" for nutrients in the Barnegat Bay. The Department's Web site contains more detailed information about the NCEP (see http://www.state.nj.us/dep/wms/bears/nutrient_criteria.htm) and the Barnegat Bay Action Plan (see http://www.state.nj.us/dep/barnegatbay/plan-wqstandards.htm).

Surface Water Quality Monitoring

The Department operates the primary water quality monitoring networks for the State of New Jersey, which provide the data needed to assess attainment of water quality standards and support of designated uses, and to determine the effectiveness of restoration efforts. These networks employ multiple techniques including collection of physical/chemical data in surface water; collection of chemical data in ground water; biological monitoring, such as benthic macroinvertebrates and fish assemblage surveys and habitat assessment; and pollutant source tracking in the coastal and freshwater environment (e.g., illicit discharges, stormwater, marinas). Details regarding these networks can be found on Bureau Web sites (see http://www.state.nj.us/dep/wms/bfbm/ and http://www.state.nj.us/dep/wms/bmw/) and in the in the "New Jersey Water Monitoring & Assessment Strategy (2005-2014)" at http://www.state.nj.us/dep/wms//longtermstrategyreport.pdf.

This long term strategy (LTS), which is required to be updated every ten years, outlines the various characteristics of a state monitoring and assessment strategy, including goals and objectives, network design, development and use of water quality indicators, field and lab procedures, data management, analytic techniques, reporting requirements, identification of gaps, and feedback processes. The LTS also provides an overview of different monitoring design components used by the state to address its monitoring needs. These monitoring designs include:

- Fixed site network – trends at individual stations over time, frequently at pour point of a HUC or tributary
- Targeted site selection – examine condition at areas of concern or special interest, frequently upstream/downstream of discharge or BMP
- Statistical survey design – unbiased estimates of resource condition

- Extent of waters across the population that support aquatic life, recreation
- Distribution of key stressors
- Rotating basin – planning area and implementation schedule for all or some design components

New Jersey's Long-term Monitoring Strategy will be updated for 2015-2025 and will complement New Jersey's strategy for implementing the newly articulated vision for assessment, restoration, and protection under the Clean Water Act.

Water Quality Assessment

Both federal and state statutes require a routine assessment of statewide water quality to determine if existing and designated uses are fully supported, if any waters are impaired, and what actions are needed to restore water quality. The Department compiles all readily available water quality data and assesses it every two years to determine compliance with the SWQS. The results of this biennial assessment process are reported in the Integrated Water Quality Assessment Report (Integrated Report). The Integrated Report combines the reporting requirements of Sections 303(d) and 305(b) of the federal Clean Water Act and is submitted to USEPA for approval on a biennial basis.

The Integrated Report presents the results of statewide water quality assessment, including long-term water quality trends, support of designated uses, and causes and sources of water quality impairment. Waterbodies that are impaired due to an exceedance of the SWQS require the development of total maximum daily loads (TMDLs) or alternative approaches that define the assimilative capacity of surface waters for a given parameter of concern, and the pollutant load reductions needed to attain water quality standards.

The goal of the Integrated Report is to provide information needed to inform water resource managers, government officials, and the public about the overall health of the State's waters; and where actions are needed to restore, maintain, and enhance water quality so that, ultimately, all designated uses are fully supported in all waters of the State. This information can inform and direct development of regulatory requirements for other Department programs that aim to restore and protect the State's surface waters. These programs include the New Jersey Pollutant Discharge Elimination System (NJPDES) program, Site Remediation Program, and various programs implemented by the Division of Land Use Regulation.

4.2: Water Pollution Control - Regulatory Programs

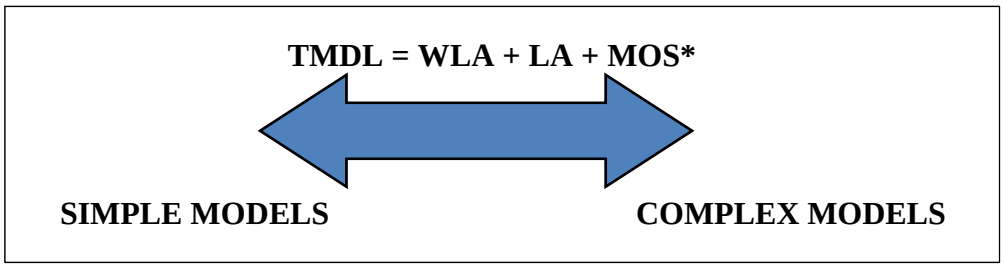
The discharge of pollutants to waters of the State is regulated by the Department under the authority of the New Jersey Water Pollution Control Act (WPCA), N.J.S.A. 58:10A. The WPCA specifies, "No person shall discharge any pollutant except in conformity with a valid NJPDES permit." The Department implements the New Jersey Pollutant Discharge Elimination System (NJPDES) Program pursuant to the NJPDES regulations at N.J.A.C. 7:14A. The NJPDES Program protects New Jersey's ground and surface water quality by assuring the proper treatment and discharge of wastewater (and its residuals) and stormwater from various types of facilities and activities.

Total Maximum Daily Load Program

Total Maximum Daily Loads (TMDLs) represent the assimilative or carrying capacity of the receiving waterbody taking into consideration point and nonpoint sources of pollution, natural background water quality, and surface water withdrawals. A TMDL identifies the sources (point and nonpoint) contributing a pollutant of concern and sets load reductions needed to meet surface water quality standards. Section 303(d) of the federal Clean Water Act requires TMDLs to be developed for the pollutant(s) of concern in waterbodies that cannot meet surface water quality standards after the implementation of technology-based effluent limitations. Waters of the State are regularly assessed to determine if surface water quality standards are attained. Waters that do not meet the applicable standards are placed on the 303(d) List of Water Quality Limited Waters (303(d) List). The 303(d) List is then ranked and prioritized for TMDL development. The Department also identifies TMDLs scheduled for development prior to the next listing cycle (see Appendix B). Additional information about New Jersey's TMDL Program is available on the Department's Web site at http://www.state.nj.us/dep/wms/bears/tmdls.html.

TMDL Development

Federal regulations concerning TMDLs are contained in USEPA's Water Quality Planning and Management Regulations (40 CFR 130,7(c)), and the New Jersey Water Quality Management Planning rules at N.J.A.C. 7:15-6. Section 303(d) of the federal Clean Water Act requires development of a TMDL for the pollutant(s) responsible for each impairment. The TMDL must be calculated so that standards will be attained, in consideration of critical conditions and seasonal variation, and must include a margin of safety (MOS) to account for uncertainty. The TMDL is allocated among all of the sources of the pollutant, including point sources, nonpoint sources, and natural background. Point sources are those regulated under the federal Clean Water Act, such as wastewater treatment facilities, combined sewer overflows and stormwater, and receive wasteload allocations (WLAs). Nonpoint sources (NPS) of pollution are diffuse sources, such as overland runoff and air deposition, which are not regulated under the federal Clean Water Act. NPS receive Load Allocations (LAs) as part of the TMDL. The MOS can be an explicit part of the TMDL equation or may be accounted for through conservative assumptions made in calculating the TMDL.



A TMDL implementation plan is developed to identify the measures needed to reduce loads from each identified source so that surface water quality standards can be attained. These measures include regulatory as well as non-regulatory actions. Regulatory measures typically include effluent limitations or other measures that are incorporated into NJPDES permits for wastewater or stormwater discharges. Non-regulatory measures include best management practices for

agricultural land use and riparian restoration, as well as promotion of watershed/local stewardship activities such as construction of rain gardens and rain barrels.

Discharge to Surface Water Permits

The Department's NJPDES Discharge to Surface Water (DSW) Program regulates the discharge of treated and untreated effluent from various municipal and industrial facilities directly into surface waters of the State (e.g., rivers, streams, ocean waters) via a point source. These facilities operate under the authority of an individual or general NJPDES permit that limits the mass and/or concentration of pollutants discharged. The NJPDES DSW permit program is operated under the authority of the federal Clean Water Act, which has been delegated to New Jersey by USEPA to implement the National Pollutant Discharge Elimination System (NPDES) program, as well as the New Jersey Water Pollution Control Act and the New Jersey Water Quality Planning Act. Permit recipient ("permittees") include various industries; federal, state, county, and municipal facilities; private companies; private residential developments; hospitals; and schools. The NJPDES DSW permits establish technology- or water quality-based effluent limitations that limit the mass and/or concentration of pollutants discharged to levels that will not cause the receiving water to exceed applicable surface water quality standards, which include designated uses, stream classifications, narrative and numeric water quality criteria, as well as general and technical policies to protect the public health and the environment. Permitted discharges to surface water are required to submit monthly Discharge Monitoring Reports (DMR's) for Department review to determine compliance with effluent limitations. Additional water quality monitoring may also be required. A facility that exceeds its effluent limitations or otherwise does not comply with its permit limits is referred to the Department's Division of Water Compliance and Enforcement for appropriate action pursuant to the New Jersey Clean Water Enforcement Act. Additional information about surface water discharge permits is available on the Department's Web site at http://www.nj.gov/dep/dwq/sw.htm.

Discharge to Ground Water Permits

The Department regulates facilities that discharge sanitary and industrial wastewater to ground water under the NJPDES Discharge to Ground Water (DGW) Permit Program. The pollution control requirements contained in NJPDES discharge to ground water (DGW) permits are those conditions necessary to restrict the discharge of pollutants to ground waters of the State so that they do not exceed applicable ground water quality standards; which including designated uses, ground water classifications, criteria and policies established to protect the public health and the environment. The types of discharge activities that are regulated include surface impoundments, infiltration/percolation lagoons, overland flow systems, spray irrigation systems, and various types of subsurface disposal systems that are classified as underground injection systems. The types of facilities regulated include: mines, pits and quarries; schools and hospitals; potable water treatment plants; large corporate office buildings; industrial manufacturing facilities; campgrounds and mobile home parks; food processors; and sewage treatment plants and other discharges of wastewater that can impact ground water, including the management of dredged materials at upland locations. Additional information about the NJPDES DGW Permit Program is available on the Department's Web site at www.state.nj.us/dep/dwq/dgw_home.htm.

Stormwater Permits

The Stormwater Permitting Program was mandated by Congress in the 1987 amendments to the federal Clean Water Act under Section 402(p). Consistent with the corresponding federal regulations, New Jersey's Stormwater Permitting Program is divided into two sections: Industrial Stormwater Permitting ("Phase I") and Municipal Stormwater Regulation ("Phase II"). Both programs emphasize pollution prevention techniques and source control rather than "end-of-pipe" treatment. The program is implemented through the issuance of individual permits and general permits. These stormwater permits rely primarily on pollution prevention and reasonable and cost effective best management practices (BMPs) that eliminate or minimize the contact between source materials and stormwater, preventing pollution and saving industry money by reducing inventory and material losses. Additional information about the Stormwater Permitting Program is available on the Department's Web site at http://www.nj.gov/dep/dwq/bnpc_home.htm and the Flood Hazard Control Act is located at http://www.nj.gov/dep/landuse/lawsrules/fhacar_index.html.

Stormwater Management

The Stormwater Management rules (N.J.A.C. 7:8) provide the basis for municipalities to develop stormwater management plans and specify stormwater management standards that are mandatory for new major development. The New Jersey Stormwater Best Management Practices Manual (BMP manual) has been developed to provide guidance to review agencies and the regulated community on complying with the standards in the Stormwater Management rules. The Stormwater Management rules also establish performance standards for ground water recharge to increase the integrity of the State's aquifers and protect dry weather base flow in streams. The rules require that 100 percent of the average annual ground water recharge be maintained for new development projects, to help mitigate future droughts and flooding. Generally, recharge requirements do not apply in urban areas.

In addition to recharge standards, the rules promote low impact development techniques by requiring consideration of non-structural design methods for stormwater management. These include maintaining natural vegetation, reducing unnecessary loss of trees, minimizing existing drainage surfaces, preventing large contiguous areas of impervious surfaces, and maintaining existing drainage characteristics and patterns. Consideration of these techniques will require that stormwater management be considered early in the project design and not as a secondary concern. Once nonstructural measures have been fully integrated into the site design, any remaining water quality concerns must be addressed using best management practices to reduce runoff of total suspended solids (TSS) by 80 percent and other pollutants up to the maximum extent feasible. Additional information about the Stormwater Management rules is available on the Department's Web site at http://www.njstormwater.org/.

Special water resource protection area (SWRPA) or riparian zones are also acknowledged as effective BMPs and provide 300-foot buffers to C1 waters under Storm Water Management Rules at N.J.A.C. 7:8 and the New Jersey Flood Hazard Area Control Act (FHACA) rules at N.J.A.C. 7:13, respectively. Additional information on these rules is available on the

Department's Web site at http://www.nj.gov/dep/landuse/. Additional information on C1 buffers is available at http://www.state.nj.us/dep/wms/bears/docs/buffer_fact_sheet_2.pdf.

Green Infrastructure

Traditional stormwater infrastructure design focuses on collecting and conveying rainwater off-site, so it is ultimately discharged into a downstream waterway. Green infrastructure mimics natural processes utilizing soils and vegetation to manage rainwater where it falls by allowing it to infiltrate into the soils, be taken up by plants, or stored for re-use as irrigation. USEPA strongly promotes the use of green infrastructure as a best management practice to address stormwater runoff. Likewise, the Department supports the use of green infrastructure as a preferred method of stormwater management. Green infrastructure GI strategies reduce runoff volume by allowing rainfall to infiltrate into the soil where it can be used by plants or where it can recharge aquifers and stream base flow. Another way to reduce volume is to capture the rainfall in manufactured structures like rain barrels or cisterns where it is stored until it can be reused; however, the use of this stored water is limited to non-potable uses, such as irrigation. Green infrastructure encourages the idea that stormwater is a resource that can be reused, rather than simply conveyed elsewhere. A comprehensive list of the Department's recommended green stormwater practices and completed projects is available on the Department's Web site at http://www.nj.gov/dep/gi/.

Residuals, Biosolids, Sewage Sludge

Residuals are generated by both domestic treatment plants (sewage sludge) and industrial treatment plants (industrial residuals). Residuals are managed in a variety of ways, including the development of Marketable Residuals Products (often referred to as biosolids) used to fertilize or condition the soil. Examples include pellets, compost, and alkaline materials. Residuals are also incinerated in New Jersey and managed in a variety of ways at out-of-state facilities. Beneficial use of residuals as a fertilizer or soil conditioner is regulated under a NJPDES permit. Incineration of residuals is regulated under New Jersey's Air Pollution Control Program (see the Department's Web site at http://www.nj.gov/dep/aqpp/). Residuals managed in other states are regulated by the receiving state.

The Department oversees the Statewide Sludge Management Plan (a component of the Statewide Solid Waste Management Plan), and reviews and approves long-term generator residuals management plans. Through the implementation of the Sludge Quality Assurance Regulations (N.J.A.C. 7:14C), residuals generators must test their residuals and report the results to the Department on a regular basis. This data is available to assure compliance with the appropriate residuals management criteria in much the same way that the surface water program uses effluent data to assure compliance with wastewater discharge requirements. Additional information about residuals management is available on the Department's Web site at http://www.state.nj.us/dep/dwq/sludge.htm.

Significant Industrial Users

Some industrial dischargers do not discharge their wastewater directly into a surface waterbody like a stream or river, but rather discharge into a sanitary sewer system or publicly owned treatment works (POTW). The wastewater is conveyed to a local agency's treatment plant where it is treated and usually discharged into a river or stream. These dischargers are known as "indirect users." Although not all indirect users require individual NJPDES permits, all must comply with at least minimum regulatory requirements under N.J.A.C. 7:14A-21.2, as well as the rules and regulations or sewer use ordinance of the local agency. When this type of discharge meets one or more specific criteria, the discharger becomes a significant indirect user (SIU), and requires a permit. The criteria include discharging from specific operations, discharging high strength or high volume wastewaters, being subject to Federal Categorical Pretreatment Standards, and failure to comply with regulatory requirements under N.J.A.C. 7:14A-21.2. The Division of Water Quality's Bureau of Pretreatment and Residuals is responsible for issuing permits for SIUs discharging to POTWs.

The Department may grant "delegated" status to a local agency that demonstrates to the Department that it has the legal authority, procedures, and resources to adequately administer an SIU permitting program, as required under the Federal General Pretreatment Regulations (40 CFR Part 403) and NJPDES regulations. Such a program requires setting appropriate discharge limits for SIUs, enforcing those limits to ensure compliance, conducting site inspections, and performing sampling of the regulated SIUs. Once a pretreatment program has been delegated to a local agency, SIU permits are no longer issued by the Department in that service area. Additional information about SIUs is available on the Department's Web site at http://www.state.nj.us/dep/dwq/sius.htm.

Combined Sewer Overflow Program

Combined Sewer Systems (CSSs) are wastewater collection systems designed to carry sanitary sewage, industrial and commercial wastewater, and stormwater runoff in a single system of pipes to a publicly owned treatment works (POTW). During periods of rainfall or snowmelt, the total wastewater flows entering the collection system can exceed the capacity of the system or the treatment facility. Under such conditions, CSSs are designed to overflow at predetermined Combined Sewer Overflow Points and result in discharges of excess wastewater flows, known as Combined Sewer Overflows (CSOs), directly to surface waterbodies such as rivers, estuaries, and coastal waters.

CSO discharges contain raw sewage consisting of a combination of untreated human waste and pollutants discharged by commercial and industrial establishments. CSOs also have a significant stormwater component that includes pollutants from urban and rural runoff. The pathogens, solids, and toxic pollutants carried by CSOs may be discharged directly to the waters of the state during wet weather events. CSOs are a human health concern because they can create the potential for exposure to disease-causing pathogens including protozoa, bacteria, and viruses.
CSOs are point sources subject to federal NPDES permit requirements, including both technology-based and water quality-based requirements of the federal Clean Water Act. The National Combined Sewer Overflow Control Policy (National Policy) requires CSO permit

holders to develop Combined Sewer Overflow Long Term Control Plans (CSO-LTCPs) that include the evaluation of alternatives for attaining compliance with the Clean Water Act, including compliance with surface water quality standards and protection of designated uses of waters of the state.

The Department is implementing a Statewide Combined Sewer Overflow Control Strategy consistent with the National Policy. As a first step, New Jersey has required its owners and operators of CSSs to develop and implement the Nine Minimum Control Measures (NMCs), specified in the National Policy. NMCs are actions or measures that can reduce CSO discharges and their effect on receiving water quality. The CSO permit holders must capture and remove solids and floatables above a certain size at every CSO Point. In 2013, 93 percent of the planned solids and floatables control facilities were constructed and operational. It is estimated that New Jersey's CSO Solids/Floatables Control Facilities currently capture, remove, or otherwise prevent the discharge of over 700 tons of solids and floatables materials per year. Additionally, over 60 CSO discharge points were eliminated since the onset of the program.

Currently, the Department has issued 25 permits to address the remaining 217 CSO discharge points, or outfalls, in the state. The new permits require operators, including municipalities and regional sewerage authorities, to develop long-term control strategies, including gray infrastructure projects, such as holding tanks, lagoons, rain gardens, or green roofs, to capture or store stormwater for later release. To improve public awareness, permit holders are required to post identification signs at discharge points stating the possibility that contact with the water may cause illness. Financing is made available through the New Jersey Environmental Infrastructure Financing Program. Additional information on New Jersey's CSO Program is available on the Department's Web site at http://www.nj.gov/dep/dwq/cso.htm.

Soil Erosion and Sediment Control Act Implementation

The New Jersey Soil Erosion and Sediment Control Act, P.L. 1975, c.251, otherwise known as "Chapter 251" (NJSA 4:24-39 et seq.), is administered by the State's 15 Soil Conservation Districts (SCDs) and overseen by the NJDA to minimize soil erosion from construction sites, reduce nonpoint source pollution from sediment, and enhance water quality and stormwater quality. Conservation practices such as stormwater inlet protection, silt fencing, stabilized construction access, and temporary soil stabilization are just a few of many measures that help reduce soil erosion on active construction sites. The SCDs review development and site plans and to ensure that they comply with standards established by the State Soil Conservation Committee pursuant to Chapter 251. SCDs also conduct a detailed review of Requests for Authorization (RfAs) to discharge stormwater from a developed site, which include stormwater management runoff designs that ensure runoff will not contribute to long-term water quality degradation in the receiving waters. SCD staff routinely inspect active constructions sites to make sure the soil erosion and sediment control measures are carried out in the correct construction sequence on the site. SCD inspectors also perform final site inspections once construction is finished, to ensure that the site has been properly and permanently stabilized. Additional information about Chapter 251 and New Jersey SCDs is available on the NJDA Web site at http://www.nj.gov/agriculture/divisions/anr/nrc/conservdistricts.html.

Coastal Management Program

Concerted coastal management efforts began in New Jersey in 1970 with the passage of the Wetlands Act of 1970, N.J.S.A. 13:9A, followed by the Coastal Area Facility Review Act (CAFRA), N.J.S.A. 13:19, in 1973. In response to the 1972 passage of the federal Coastal Zone Management Act, New Jersey developed and gained federal approval of the New Jersey Coastal Management Program, which addresses the complex coastal ecosystem as a whole. The Coastal Management Program defines goals and standards for the purpose of integrating protection and enhancement of natural resources, appropriate land use and development, and public access to, and use of, New Jersey's coastal resources. The program, which was first approved in 1978, brings together the above laws as well as the Waterfront Development Law, the Freshwater Wetlands Protection Act, the Public Trust Doctrine for access to, and use of, state-owned tidelands, and the regulatory activities of the New Jersey Meadowlands Commission. These laws establish a set of over-arching policies that guide implementation of the New Jersey Coastal Management Program.

A primary mission of the Coastal Management Program is ensuring that coastal resources and ecosystems are conserved as a vital aspect of local, state, and federal efforts to enhance sustainable coastal communities. The coastal zone boundary of New Jersey encompasses the CAFRA Area and the New Jersey Meadowlands District. It also includes coastal waters to the limit of tidal influence, including the Atlantic Ocean (to the limit of New Jersey's seaward jurisdiction); Upper New York Bay, Newark Bay, Raritan Bay and the Arthur Kill; the Hudson, Raritan, Passaic, and Hackensack Rivers, and the tidal portions of the tributaries to these bays and rivers. The Delaware River and Bay, and other tidal streams of the Coastal Plain, are also in the coastal zone, as is a narrow band of adjacent uplands in the Waterfront Development Area outside of the CAFRA Area. Through the Coastal Management Program, the Department manages the State's diverse coastal zone, which includes portions of 17 counties and 245 municipalities. Additional information about New Jersey's Coastal Management Program, as well as the Assessment and the Strategy, are available on the Department's Web site at http://www.nj.gov/dep/cmp.

4.3: Water Pollution Control: Non-regulatory Programs

Nonpoint source (NPS) pollution is caused by precipitation moving over and through the land and carrying natural and synthetic pollutants into surface and ground water. The significance of NPS loadings can vary widely depending upon the watershed and the pollutant. NPS pollution is diffuse in origin, can emanate from anywhere in the watershed and is significantly associated with human activity. It is also not generally subject to regulatory controls. NPS pollution may include chemicals and pathogens carried into streams by rainfall, such as oil and grease from roadways and parking lots; fertilizers from lawns, golf courses, and agricultural fields; and bacteria from improperly maintained septic systems, pet waste, and large congregations of waterfowl. NPS pollution may also include other adverse impacts on water resources caused by anthropogenic activity. For example, clearing of streamside vegetation can cause increased water temperature that impairs aquatic life uses, such as trout production and maintenance. Increased development may result in increased water withdrawals or loss of recharge, which can cause reduced base flow during dry weather and impair aquatic life and public water supply uses.

Increased impervious cover can increase stormwater runoff and exacerbate erosion of streambed and banks. This can significantly alter stream hydrology, increase turbidity and flashiness of streams, and increase flooding.

New Jersey Nonpoint Source Management Program Plan

The Department has developed a Nonpoint Source Management Program Plan for 2015-2019 (NPS Plan), which highlights the key actions the Department and our partners will take to address water quality issues caused by nonpoint source (NPS) pollution. The NPS plan identifies New Jersey's strategies to protect, maintain, and improve water quality and is a key element of New Jersey's Continuing Planning Process. USEPA requires states to have an updated NPS Management Program in place to qualify for federal Clean Water Act (CWA) Section 319(h) grant funds. USEPA issued new 319(h) grant program guidelines in 2013 (see http://www.epa.gov/sites/production/files/2015-09/documents/319-guidelines-fy14.pdf). These guidelines describe the components that must be included in a state NPS Management Program. They also emphasize the importance of states updating their NPS management programs to ensure that Section 319(h) grant funds are targeted to the highest priority activities.

New Jersey's NPS Management Program is implemented cooperatively with many other Department programs along with other State agencies, including the New Jersey Department of Agriculture, local governments and the watershed associations. The program combines regulatory controls, non-regulatory strategies, watershed-based plans and restoration actions, and targeted funding to address NPS pollution on a scale that ranges from statewide to individual watersheds or sources of NPS. The NPS Plan is updated every five years and progress reports are published annually. Additional information about the Department's NPS Program is available on the Department's Web site at http://www.state.nj.us/dep/wms/bears/nps.htm.

New Jersey Statewide 319(h) Nonpoint Source Pollution Control Grant Program

The New Jersey Statewide 319(h) Nonpoint Source (NPS) Pollution Control Grant Program is an integral component and funding source for statewide NPS management programs, which aim to control NPS pollution to achieve and maintain designated uses of waters of the State. This program is supported by pass-through grants from USEPA under Section 319(h) of the federal Clean Water Act whose purpose is to maintain and improve water quality by:

- Strategically focusing on water quality goals to achieve water quality standards in the state's priority waters/watersheds;
- Clearly articulating program goals and developing annual work plans that reflect actions to advance those goals;
- Reflecting a balance between planning, staffing, statewide action, and watershed project implementation that best utilizes resources to deliver measurable water quality results;
- Leveraging and integrating with other programs to align planning, priority-setting and resources to make the best use of available resources to control NPS pollution; and
- Tracking and reporting results to demonstrate program progress and success**.**

Each year, New Jersey publishes a notice in the New Jersey Register (NJR) announcing the availability of 319(h) pass-through grants along with a Request for Proposals (RfP) to solicit applications for projects eligible for the grant funds. The RfP serves as a guidance document that establishes criteria for projects based on federal requirements and state priorities; identifies specific administrative, procedural, and programmatic requirements for applicants; and provides timetables and deadlines for the grant application and related decision-making processes. Funding priorities established in the RfPs for state fiscal year (SFY) 2014 and 2015 319(h) grant awards were:

- Implement approved Watershed Based Plans and TMDLs in Atlantic Coastal and Raritan Water Regions
- Green Infrastructure in CSO sewersheds
- Living shorelines in tidal areas

Federal 319(h) grant funds have also been used as leverage to secure additional funding and in-kind contributions from other sources (in the form of labor, materials, and professional guidance) and expand the scope of restoration efforts in targeted priority watersheds. For example, the Department has worked with New Jersey's Soil Conservation Districts (SCDs) through the State Soil Conservation Committee (see description below) to administer 319(h) grants in conjunction with programs administered through the SCDs. Several of these 319(h) grant projects include implementation of conservation practices on agricultural lands, using NRCS and SSCC funds and resources, in agricultural-dominated watersheds, currently the Upper Salem, Upper Cohansey, Neshanic, Assiscunk, Paulins Kill, Musconetcong, Papakating, and Clove Acres watersheds. The accomplishments of the 319(h) grant program, including pollutant load reductions, are tracked through USEPA's Grant Reporting Tracking System (GRTS), which is available on USEPA's Web site at http://iaspub.epa.gov/apex/grts/f?p=110:199. Additional information about the agricultural NPS program is provided below. Additional information about the Department's 319(h) NPS Grant Program is available on the Department's Web site at http://www.state.nj.us/dep/wms/bears/319_grant_program.htm.

Watershed Based Plans

Due to the diffuse nature of nonpoint source pollution, costs associated to address it, and the need for voluntary action, implementing NPS controls that will attain water quality standards often requires support from a coalition of stakeholders, coordination of programs, and availability of funding sources that will span multiple years. Watershed planning helps address water quality problems in a holistic manner by fully assessing the potential contributing causes and sources of pollution, then prioritizing restoration and protection strategies to address these problems.

Beginning in State Fiscal Year (SFY) 2006, the Department supported development of Watershed Restoration and Protection Plans, also referred to as Watershed Based Plans (WBPs), that focused on reducing NPS pollution. The Department issued Section 319(h) grants to fund planning and implementation of projects that would address water quality impairment through implementation of NPS pollution controls, including those specifically identified in approved total maximum daily load (TMDL) implementation plans, or necessary to address pollutants

identified on an adopted 303(d) List of Water Quality Limited Waters. WBPs initiated after June 30, 2007 include the nine minimum components of a watershed plan set forth in the USEPA's "Handbook for Developing Watershed Plans to Restore and Protect Our Waters" (USEPA, 2005) to be eligible for Section 319(h) grant funds. These nine minimum elements are:

1. Identify causes and sources of pollution
2. Estimate pollutant loading into the watershed and the expected load reductions
3. Describe management measures that will achieve load reductions and targeted critical areas
4. Estimate amounts of technical and financial assistance and the relevant authorities needed to implement the plan
5. Develop an information/education component
6. Develop a project schedule
7. Describe the interim, measurable milestones
8. Identify indicators to measure progress
9. Develop a monitoring component

The following 17 WBPs have been approved by the Department and deemed to meet all nine elements by USEPA:

- Alexauken Creek Watershed Plan
- Assiscunk Creek Watershed Plan
- Cedar Grove Watershed Plan
- Clove Brook Watershed Restoration Plan
- Long Swap Creek Watershed Restoration Plan
- Manalapan Watershed Restoration Plan
- Metedeconk Watershed Plan
- Mulhockaway Creek Watershed Restoration Plan
- Neshanic River Watershed Restoration Plan
- Papakating Creek Watershed Restoration Plan
- Pleasant Run and Holland Brook Watershed Restoration Plan
- Sidney Brook Protection Plan
- Sourland Mountain Watershed Plan
- Tenakill Brook Watershed Restoration
- Troy Brook Watershed Plan
- Upper Cohansey River Watershed Plan
- Upper Salem River Watershed Plan

AUs that are impaired by a parameter associated with NPS that is addressed under one of these approved WBPs are identified on Subpart 5R of the 2014 Integrated List. As explained in Chapter 1, Subpart 5R identifies AUs impaired primarily by nonpoint sources of pollution that are not subject to regulation under the federal CWA, or regulated stormwater, which is most effectively addressed through source control. Watershed restoration plans, including 319(h) funded WBPs, can be an effective alternative to a TMDL to characterize pollutant sources, the reductions needed to attain standards, and the means to achieve the reductions.

Agricultural Nonpoint Source Pollution Control Program

The Department continues to foster a partnership with the New Jersey Department of Agriculture (NJDA), the United States Department of Agriculture - Natural Resources Conservation Service (USDA-NRCS), and other agricultural organizations to achieve New Jersey's water quality goals. In some of New Jersey's more rural watersheds, agricultural land uses are the major nonpoint source of pathogens and nutrients. Implementing best management and conservation practices on agricultural lands is an important component of New Jersey's nonpoint source pollution control strategy because it will improve water quality, conserve water and energy, prevent soil erosion, and reduce the use of nutrients and pesticides. The following are conservation programs that address nonpoint source pollution from agricultural activities.

Farm Security and Rural Investment Act (Farm Bill) Funding Programs

The USDA-NRCS provides technical and financial assistance to help farmers, ranchers, and forest landowners conserve soil, water, air, and other natural resources. All programs are voluntary and offer science-based solutions that benefit both the landowner and the environment. NRCS provides conservation technical assistance (CTA) through their staff at NRCS Field Offices and through NRCS-certified Technical Service Providers, in cooperation with New Jersey's fifteen Soil Conservation Districts and the New Jersey Association of Conservation Districts. Other key partners include the NJDA, Rutgers University, and other State and Federal Agencies. New Jersey receives funds under the Farm Bill that are administered through the following USDA voluntary programs for eligible New Jersey landowners and agricultural producers (see descriptions below).

- Agricultural Management Assistance (AMA): provides cost share assistance to voluntarily address issues such as water management, water quality and erosion control.
- Agricultural Water Enhancement Program (AWEP): provides financial and technical assistance to agricultural producers in approved watersheds.
- Environmental Quality Incentives Program (EQIP): provides financial assistance for permanent measures or management strategies that address existing resource concerns.
- Grassland Reserve Program (GRP): offers private landowners the opportunity to protect, restore, and enhance grasslands on their property.
- Farm and Ranch Lands Protection Program (FRPP): provides matching funds to purchase conservation easements to keep productive farmland in agricultural uses.
- Wildlife Habitat Incentives Program (WHIP): provides financial assistance to create, enhance, or maintain five priority wildlife habitat types on nonfederal lands. Creation or improvement of wildlife habitat is generally as effective as buffers at controlling nonpoint source pollution.
- Wetlands Reserve Program (WRP): provides technical and financial assistance to enhance wetlands in exchange for retiring marginal land from agriculture.
- Conservation Security Program (CSP): rewards farmers who have demonstrated high levels of conservation and management on their farms by protecting soil and water quality.
- Conservation Effects Assessment Project (CEAP): a national effort through which the NRCS works with the Department and other partners to monitor and quantify the effects and benefits of conservation practices.

Additional information about USDA-NRCS programs is available on the USDA Web site at http://www.nrcs.usda.gov/wps/portal/nrcs/main/national/programs/.

Farm Service Agency (FSA) Programs

NRCS provides technical assistance to applicants and contract holders working with the FSA Programs, which include the following:

Conservation Reserve Program (CRP): USDA's largest environmental improvement program on private lands allows producers to retire highly erodible or marginal cropland or pastureland and receive rental payments as well as financial assistance to convert the land to grass or trees. Cost sharing is provided to cover part of the cost to establish conservation measures on the land. This may include re-establishing native or perennial grasses, planting trees or fencing animals out of streams. Incentive payments are offered in some cases to encourage participation and to protect highly sensitive land surrounding waterways.

Conservation Reserve Enhancement Program (CREP): The New Jersey Departments of Environmental Protection and Agriculture, in partnership with the Farm Service Agency and Natural Resources Conservation Service, signed a $100 million CREP agreement in 2004 to help farmers reduce nonpoint source pollution caused by agricultural runoff in an effort to improve water quality in New Jersey. Under NJCREP, farmers receive financial incentives from the FSA and the NJDA to voluntarily remove marginal pastureland or cropland from agricultural production and convert the land to native grasses, trees and other vegetation. The vegetation can then serve as a buffer to filter or contain agricultural runoff and prevent polluted stormwater runoff generated by farms from reaching neighboring waterbodies.

Through this program, $23 million of State money was matched with $77 million from the Commodity Credit Corporation within USDA. Through CREP, financial incentives are offered for agricultural landowners to voluntarily implement conservation practices on agricultural lands. NJ CREP is part of the USDA's Conservation Reserve Program (CRP). There will be a ten-year enrollment period, with CREP leases ranging between 10-15 years. The enrollment of farmland into CREP in New Jersey is expected to improve stream health through the installation of water quality conservation practices on New Jersey farmland. As of June 19, 2013, there are 192 New Jersey CREP contracts, totaling 703.8 acres with significant potential for future enrollment to achieve nutrient and TSS reductions. Additional information on these and other FSA programs is available on the FSA Web site at http://www.fsa.usda.gov/FSA/webapp?area=home&subject=copr&topic=landing.

Coastal Nonpoint Source Pollution Control Program

The Coastal Nonpoint Source Pollution Control Program (Section 6217 of the Coastal Zone Act Reauthorization Amendments of 1990) addresses NPS pollution in coastal waters. This program is administered jointly by the US Environmental Protection Agency (USEPA) and the National Oceanic and Atmospheric Administration (NOAA). Section 6217 requires the 29 states and territories with approved Coastal Zone Management Programs to develop Coastal Nonpoint Pollution Control Programs (CNPCP). A CNPCP describes how a state will implement NPS

BMPs to reduce pollution associated with several sources such as forestry practices, urban development, marinas and boating activities, hydromodification, and others. The Department has an approved CNPCP, a description of which may be found at http://www.state.nj.us/dep/cmp/czm_cnpp.html.

Floatables Control

New Jersey Clean Communities Council (NJCCC) works with partners to accomplish removal of debris that would otherwise be washed into waterways. In 2014, the New Jersey Clean Communities Council (NJCCC) reported 760 projects across the state that removed 1,930 tons of debris from waterways, beaches, greenways, and roads. The council had established an aggressive goal at the beginning of 2014 to coordinate 350 clean-ups, to celebrate the 350th birthday of the State of New Jersey. Through aggressive outreach to county coordinators and local volunteer groups, the number of coordinated clean-ups surpassed anyone's expectation, with various organizations across the state helping the NJCCC tally up 760 cleanups.

Most major cleanups in 2014 were the Barnegat Bay Blitz, the Raritan River Cleanup in Somerset County, the Great Falls Cleanup in Paterson and the Beach and Bay Cleanups in Brigantine. The services of 18,181 volunteers were rallied who collected 11,310 large bags of litter and 34 tons of recyclables across 131 miles in 2014. In addition, volunteers were able to collect 8,300 tires that had been illegally disposed on public property. These major cleanups were made possible through volunteers from the Adopt-a-Beach Program, New Jersey Clean Communities Coordinators, the Passaic Valley Sewerage Commissioners River Restoration Program, and the Department's Barnegat Bay Blitz, Clean Shores, Open Space, and AmeriCorps NJ Watershed Ambassadors programs.

The Department administers both the Clean Shores Program and the Adopt-A-Beach Program to address coastal debris. The Clean Shores Program uses inmates from state correctional facilities to remove wood and garbage from tidal shorelines. Cleaning up these wastes helps prevent the deleterious effects of marine debris upon recreational ocean bathing beaches and the coastal environment. Since its inception in 1989, the total amount of wastes removed from New Jersey beaches under this program exceeds 125 million pounds. The program is funded entirely from the sale of "Shore to Please" shore protection license plates. The sponsoring municipalities and state/federal parks provide support to the program and lay out the initial costs of the cleanup. The Clean Shores program in turn reimburses the sponsors for the cost of waste disposal and contracted services incurred during cleanup activities. The program is also responsible for building dune fencing and planting dune grass in several oceanfront communities and one state park. In an average year, cleanups are carried out with the cooperation of more than 45 municipalities, seven county agencies, two state parks, one federal park, and the Department of Corrections. In 2010, the Clean Shores Program won the U.S. Environmental Protection Agency's Environmental Quality Award for demonstrating an outstanding commitment to protecting and enhancing environmental quality and public health. Additional information about the Clean Shores Program is available on the Department's Web site at http://www.nj.gov/dep/bmw/cleanshores/csindex.html.

The Adopt-A-Beach program fosters volunteer stewardship of the State's coastal beaches to reduce the threat of marine debris to marine fish and wildlife. The Department partners with the New Jersey Clean Communities Council and Clean Ocean Action to conduct the twice-a-year program. Participants are encouraged to adopt one of New Jersey's ocean beaches and become responsible for cleaning up debris and floatables that wash up on the shore. Since 1993, Adopt-A-Beach volunteers have been cleaning up litter and debris from about 60 beaches statewide. The cleanup results are forwarded to our national partner the Ocean Conservancy for analysis and inclusion in national and international marine debris databases. The results are used to gauge the type of education and outreach activities needed to change public attitudes and behavior about litter and the importance of keeping our waterways clean. Adopt-A-Beach volunteers have removed over 50,000 pounds of trash since 2004 that would have otherwise become pollution in our coastal waters. Additional information about the Adopt-A-Beach Program is available on the Department's Web site at www.state.nj.us/dep//seeds/aabeach.htm.

Don't Waste Our Open Space Initiative

Illegal dumping on public land has been a growing problem in recent years throughout New Jersey. More than 170 publicly owned tracts are held in trust by the State of New Jersey, including 813,000 acres of state-preserved open space, parks, forests, wildlife management areas, natural lands, and preserves. Nearly all have been impacted by illegal dumping. Debris left behind by illegal dumpers is not only unsightly, but also potentially harmful to public health, wildlife, and ecosystems. Waste includes everything from cigarette butts, beverage containers and food wrappers to construction debris, old TVs and computers, car parts and tires, refrigerators and even entire vehicles. Illegal dumping undermines volunteer community clean-up efforts and wastes taxpayer dollars on clean-ups costs.

The Department launched a new program in April 2014 to stop illegal dumping in state parks and natural lands that combines increased enforcement efforts with enhanced public education and outreach. The goal of the "Don't Waste Our Open Space" campaign is to crackdown on illegal dumping by raising public awareness and encouraging residents to get involved as stewards of public lands. The anti-dumping campaign is a coordinated effort involving several Department programs, including the State Parks Service, State Park Police, the State Forestry Service, the Division of Fish and Wildlife, Compliance and Enforcement, Solid Waste, Water Resources Management, and the Natural Lands Trust. Investigations of illegal dump sites on state properties, including a few involving motion-sensor camera discoveries, are conducted by State Park Police, Division of Fish & Wildlife's Conservation Officers, and Compliance & Enforcement staff. Activities and outcomes are posted on the Department's Web site at www.stopdumping.nj.gov, along with opportunities for local involvement. The progress of the "Don't Waste Our Open Space" pilot program will be evaluated after one year. If education and enforcement measures prove successful, it may serve as a model for county systems in New Jersey or other states throughout the Country.

4.4: New Jersey Environmental Infrastructure Financing Program

The NJWPCA requires the Department to inventory and rank needs, in order of priority, for the construction of municipal waste treatment works needed to meet water quality goals and

standards. This requirement is satisfied by the New Jersey Environmental Infrastructure Financing Program (NJEIFP). The NJEIFP is a revolving loan program administered by the Department and the New Jersey Environmental Infrastructure Trust (EIT), an independent state financing authority, pursuant to the New Jersey Wastewater Treatment Trust Act (58:11B-1 to 27), the Financial Assistance Programs for Wastewater Treatment Facilities rules and Wastewater Treatment Trust Procedures & Requirements (N.J.A.C. 7:22), and the Sewage Infrastructure Improvement Act Grants rules (NJAC 7:22A). The 1987 amendments to the federal Clean Water Act required states to establish a Clean Water State Revolving Fund (CWSRF) to provide financial assistance for the construction of projects that protect, maintain, and improve water quality. New Jersey's CWSRF program is included in the New Jersey Environmental Infrastructure Financing Program (NJEIFP).

The NJEIFP provides loans to local government units for the construction of wastewater treatment facilities, sludge management systems for wastewater and water treatment systems, combined sewer overflow abatement, stormwater, and other nonpoint source management projects. The financing program also provides loans to both publicly and privately owned drinking water systems for the construction or upgrade of drinking water facilities, transmission and distribution systems, storage facilities, and source development. Funds are made available under the Federal Clean Water and Safe Drinking Water Acts and various state bond acts. The Department offers zero percent interest rate loans to local government units for up to half the allowable project costs, and the EIT offers market rate loans for the remaining allowable costs.

Every year, the Department develops a Proposed Priority System, Intended Use Plan, and Project Priority List for public review and USEPA approval. The Priority System (PS) describes the ranking methodology for the municipal water pollution control projects that are eligible for financial assistance through the NJEIFP. The Intended Use Plan (IUP) provides information on funds available through the clean water component of the EIFP, including all federal funds allotted to the State under the CWA and available to the CWSRF. The Priority List identifies projects targeted for financial assistance from the CWSRF and identifies the estimated total eligible building costs under the appropriate project category. Projects must be identified on the Project Priority List to be eligible for funding. Additionally, project sponsors must meet established planning, design and application deadlines as identified in the Priority System, Intended Use Plan and Project Priority List for the applicable funding cycle. In federal fiscal year 2010, CWSRFs were required to add provisions promoting “green” technologies and establishing a Green Project Reserve (GPR). The GPR provision of the federal budget generally requires States to reserve not less than 20% of the annual federal allocation for CWSRF capitalization grants to address green infrastructure, water or energy efficiency improvements, or other environmentally innovative activities. Projects meeting GPR criteria are subject to all SRF program requirements. Additional information about the New Jersey Environmental Infrastructure Trust: Financing Program is available on the Department’s Web site at http://www.nj.gov/dep/dwq/mface_njeifp.htm.

4.5: Land Acquisition for Water Quality Protection

New Jersey has long recognized the importance of protecting headwater areas of rivers, streams, lakes reservoirs, wetlands and associated buffers and coastal waters safeguards our water

supplies and other natural resources, and provided outdoor recreational opportunities. These lands protect ecological resources and water quality, provide water-based recreational opportunities, and serve as linear open space linkages.

Environmental Infrastructure Financing Program

Land acquisition financed through the NJEIFP must demonstrate a water quality benefit. Preserving open space safeguards water supplies and other natural resources. The NJEIFP works closely with the Green Acres Program to maximize a community's limited funds for land acquisition. Public Law 2002, Chapter 76, directs the Green Acres State Land Acquisition Program to prioritize land for acquisition for the protection of water resources and flood prone areas. Pursuant to this legislation, Green Acres revised the ranking system used to evaluate state land projects based on water resource features, biodiversity, and other relevant factors. The Department has awarded over 96.8 million in loans for 25 land acquisition projects from 2001 through 2012, contributing to the acquisition of over 4500 acres of land. Additional information about Clean Water Financing for open space preservation is available on the Department's Web site at http://www.state.nj.us/dep/dwq/cwpl.htm and http://www.nj.gov/dep/greenacres/.

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, Green Acres acquires land for state parks, forests, natural areas, and wildlife management areas. The Program also provides matching grants and low interest (two percent) loans to municipal and county governments, and matching grants to nonprofit organizations to acquire open space and develop outdoor recreational facilities. To date Green Acres has protected more than 673,173 acres of open space and developed hundreds of parks, bringing the statewide system of preserved open space and farmland to more than 1.47 million acres. While the protection of water resources through land preservation has been a goal of Green Acres since its inception, the legislation further focuses Green Acres preservation efforts on lands that protect important water resources. Additional information about New Jersey's Green Acres Program is available on the Department's website at: http://www.nj.gov/dep/greenacres/. The New Jersey Open Space Preservation Funding Amendment, Public Question No. 2 was placed on the November 4, 2014 ballot by the New Jersey Legislature as a constitutional amendment, which was approved and enacted. The measure was designed to dedicate 6 percent of corporate business tax revenues to open space, farmland, and historic preservation. The tax allocation will last from 2016 to 2045.

Acquiring available, ecologically sensitive lands along the Barnegat Bay and its tributaries is Action Item 5 from the Governor's ten-point action plan, as it is a cost-effective and critical measure to further prevent degradation to the Bay's water and ecological quality. Green Acres has acquired over 3,350 acres in the Barnegat Bay watershed alone since 2011. Many of the land acquisitions include additions to State wildlife management areas. Continuing actions include targeting and additional 1,015 acres in the watershed for future acquisition.

4.6: Source Water Assessment

The 1996 Amendments to the Safe Drinking Water Act required all states to establish a Source Water Assessment Program (SWAP). The purpose of SWAP is to provide for the protection and benefit of public water systems and to increase public awareness and involvement in protecting the sources of public drinking water. New Jersey's SWAP Plan incorporates the following four fundamental steps:

1. Determine the source water assessment area of each ground and surface water source of public drinking water.
2. Inventory the potential contamination sources within the source water assessment area.
3. Determine the public water system sources' susceptibility to regulated contaminants.
4. Incorporate public education and participation.

Source water assessments provide the foundation for source water protection. Source water protection focuses on preserving and protecting the public drinking water source, particularly from the contaminants to which the source is most vulnerable, as identified in the source water assessments. The information developed from the SWAP provides communities with the tools necessary to begin protecting their valuable drinking water source. Additional information about the Source Water Assessment Program is available on the Department's Web site at http://www.nj.gov/dep/swap/index.html.

4.7: Water Education and Engagement of Partners

In recognition that some water pollution problems, such as nonpoint source pollution, require approaches other than the traditional regulatory approach (i.e., discharge permits with numeric effluent limitations), the Department administers a cadre of regulatory programs and initiatives for water quality restoration, protection, and enhancement. In addition, some of the Department's water pollution control programs also employ non-regulatory elements, such as education and outreach, either in lieu of, or in tandem with, other permit requirements. The Department also administers a number of water-focused public education and outreach programs.

AmeriCorps NJ Watershed Ambassadors Program

The New Jersey Department of Environmental Protection began hosting the AmeriCorps New Jersey Watershed Ambassadors Program (NJWAP) in September of 2000 under an AmeriCorps State contract with the Corporation for National and Community Service. By working with local communities, the NJWAP promotes capacity building by raising public awareness about water quality and watershed issues through direct community involvement. AmeriCorps members are each assigned to one of New Jersey's 20 Watershed Management Areas (WMA) and work with "host" agencies to serve as "Watershed Ambassadors" to their watershed communities. Additional information about the NJWAP, along with a current list of ambassadors and host agencies, is available on the Department's web page at http://www.nj.gov/dep/wms/bears/americorps.htm.

AmeriCorps NJ Watershed Ambassadors train and work with community volunteers to monitor the waters in their community using state and federally-approved visual and biological monitoring techniques. AmeriCorps New Jersey Watershed Ambassadors also visit schools and community organizations to share information and educate the community about water and watershed issues in New Jersey and to encourage students and residents to become involved in protecting their watershed. The Program works to improve water quality by exploring relationships between people and the environment, nurturing community-based environmental activities, and empowering residents to make responsible and informed decisions regarding their watershed to reduce NPS pollution.

Each year, the NJWAP commits to completing a set of objectives that serve to raise awareness of the importance of individual actions in controlling NPS, build capacity at the local level to assess water quality condition and directly accomplish source control projects. The objectives may be revised from year to year, but remain focused on NPS control. In support of stormwater management and NPS abatement, during 2014 AmeriCorps New Jersey Watershed Ambassadors accomplished the following:

Commitment:	**Accomplishment:**
1000 Presentations	1286 Presentations to over 15,000 people
10,000 Volunteer Monitoring Hours	10,556 hours generated
700 Stream Assessments	720 assessments completed
60 Volunteer Monitoring Trainings	64 Trainings Conducted
80 Partnership Projects	87 projects completed
5 Acres Parks/Public Land Improved	30 Acres Improved
3 Tons of Materials Recycled	3 Tons Materials Recycled
5 Miles of River Improved	11 Miles of River Improved

- 29 partnership projects were held within local and county parks and state parks, forests and open lands, e.g. cleanups and tree plantings in support of the Department's Don't Waste Our Open Space Campaign
- Collected 1125 bags of trash and debris resulting in 225 pounds of phosphorus prevented from entering our waterbodies (1 lb. TP prevented from entering waterbody for every 5 bags of debris collected within ½ mile of a waterbody)
- Conducted 44 cleanups resulting in 11 miles of river improvement (every cleanup held within 1/2 mile of a waterbody result in ¼ mile of restoration to waterbody)

Volunteer Monitoring/Citizen Scientist Program

An important element of non-regulatory NPS control is the cumulative effect of the actions of citizens within their communities. Citizens practice water conservation and participate in stream walks, beach cleanups, and other environmental activities sponsored by community-based organizations. By helping out in such efforts, citizens address New Jersey's largest water quality problem, nonpoint source pollution, advancing the goal of making more of our rivers, lakes, and coastal waters safe for swimming, fishing, drinking, and aquatic life.

The Department's Volunteer Monitoring and Citizen Scientist Program provides opportunities for community engagement through the collection of scientific data that helps determine the ecological condition of local waterbodies, as well as causes and sources of impairment. The information provided by citizen volunteers enables the Department to better understand and evaluate what is happening in watershed and assists policy officials in making more informed decisions to protect public health, conserve sensitive habitats, and preserve the integrity of New Jersey's waterways.

The goal of the Department's Volunteer Monitoring and Citizen Science Program is twofold. First, it strives to support those organizations whose volunteers are monitoring local streams, rivers, and lakes and collecting data for use locally or for inclusion in the Department's Integrated Water Quality Monitoring and Assessment Report, supplementing the Department's networks. Second, the Program anticipates calling upon such organizations and other volunteers to assist the Department collect data for specific research, monitoring and assessment initiatives. Volunteer monitoring programs coordinated by conservation organizations, such as watershed associations, can have objectives that range from educating participants about basic stream ecology and how data are collected and used to assess stream conditions to using scientifically rigorous assessment protocols to collect data that can be incorporated into a national database for use by the Department to make critical policy decisions. Regardless of where on the spectrum the organization's goals lie, the Department's Program can assist with various parts of the effort such as: defining goals; developing Quality Assurance Project Plans; training volunteers; managing and submitting data (in coordination with the EPA); and networking and collaborating with other organizations statewide.

Citizen scientists can monitor for:

- physical conditions (e.g., flow, temperature, electrical conductivity)
- biological conditions (e.g., macroinvertebrate community, bacteria, chlorophyll-a),
- chemical characteristics (e.g. nutrients, metals) of water bodies, and
- perform visual observations of habitat or assess the abundance and diversity of living creatures in the aquatic environment.

Citizen scientists have been and will continue to be called upon to assist with key program initiatives. The model for this was the intensive monitoring program undertaken in support of the Barnegat Bay 10 Point Action Plan, described further below. Going forward, a specific geographic area or resource may be targeted by the Department for further research or data collection. Under this template, the Department anticipates the need for additional resources and staff to accomplish targeted monitoring and will call upon its partners, including the volunteer monitoring programs, to be the "boots on the ground" locally collecting data, monitoring existing or changing conditions and reporting to the Department. Participating by volunteers in these citizen science projects can provide critical data that are then used for water resource protection, conservation, and restoration efforts.

Other Departmental education and outreach programs aimed at improving water quality are:

- The *Clean Water Raingers* publications offer educators free teaching materials and other resources for their students as well as background information on watersheds and nonpoint source pollution.

- **"**Project WET" (Water Education for Teachers at http://www.projectwet.org/) is an international program that offers teachers a better understanding of the world's water resources through hands-on, multi-disciplinary lessons. Through teacher workshops on multiple curriculum activity guides related to water resources, NJ Project WET teaches about the importance and value of water in our everyday life while offering specialized programs about New Jersey's water resources and watersheds.

- The Urban Watershed Education Program educates young students living in New Jersey's urban estuaries about the hazards of eating contaminated fish and helps them to enjoy and respect their local water resources by focusing on healthier fishing and shellfishing alternatives in their community. This intensive four-day program gives students the opportunity to experience their local waters first-hand through storm drain marking, water monitoring, aquatic biology, and fishing activities. (See http://www.state.nj.us/dep/dsr/urbanfishing/ for more information.)

- Clean Water NJ is aimed at reducing nonpoint source pollution carried by stormwater runoff by encouraging New Jersey citizens to change behavior that results in water pollution. The campaign includes television commercials, radio ads, posters, a Web site, and educational brochures. The Clean Water NJ Web site (www.cleanwaternj.org) provides information to the general public about "stormwater pollution" and what citizens can do to help reduce it in their homes, cars, and communities. The Web site also provides links to educational resources for teachers and for the general public.

- "SEEDS" is the Department's nationally acclaimed Web site, the "State Environmental Education Directory", which provides educational materials and links to additional educational resources on many environmental topics, including water pollution, conservation, and stewardship. Additional information about SEEDS is available on the Department's Web site at http://www.nj.gov/dep/seeds.

4.8: Regional Water Quality Initiatives

A number of regional initiatives have been formulated to address issues important within those regions. Planning, regulatory, and non-regulatory measures aim to identify and respond to water quality issues in each:

- **Highlands Region Water Resource Protection Program:** The purpose of the Highlands Water Protection and Planning Act (Highlands Act) is to preserve an essential source of clean and plentiful drinking water for one-half of the State's population, and to protect the State's great diversity of natural resources. The Highlands Act establishes a Highlands Preservation

Area (Preservation Area) and a Highlands Planning Area (Planning Area), each of roughly 400,000 acres. Additional information about the Highlands Act and its implementation is available on the Department's Web site at http://www.nj.gov/dep/highlands/.

- **Pinelands Protection Program:** The Pinelands National Reserve (PNR) was created by Congress under the National Parks and Recreation Act of 1978. The PNR is the first National Reserve in the nation. The PNR encompasses approximately 1.1 million acres covering portions of seven counties and all or parts of 56 municipalities. The Pinelands Preserve occupies 22% of New Jersey's land area. It is the largest body of open space on the Mid-Atlantic seaboard between Richmond and Boston and is underlain by aquifers containing 17 trillion gallons of some of the purest water in the land. The Pinelands Comprehensive Management Plan sets forth the regulations and standards designed to promote orderly development of the Pinelands so as to preserve and protect the region's significant and unique ecology and natural resources. The Plan is administered by the New Jersey Pinelands Commission. Additional information is available on the Pinelands Commission Web site at http://www.state.nj.us/pinelands/index.shtml.

- **New Jersey Meadowlands:** Also known as the Hackensack Meadowlands, the New Jersey Meadowlands is the largest system of wetlands in New York/New Jersey Harbor Estuary. It contains the largest (8,400 acres) remaining brackish wetland complex in the New York - New Jersey Harbor Estuary. The New Jersey Meadowlands stretch along the terminus of the Hackensack and Passaic Rivers as they flow into Newark Bay, encompassing a range of aquatic ecosystems including fresh water, brackish, and saltwater environments. The Meadowlands Regional Commission (MRC) is the zoning and planning agency for a 30.4 square-mile area of the Meadowlands complex, covering parts of 14 municipalities in Bergen and Hudson Counties. Additional information about the MRC is available on the Commission's website at http://www.njmeadowlands.gov/home.

- **Barnegat Bay Partnership (BBP):** The Barnegat Bay Partnership (BBP), operates the Barnegat Bay National Estuary Program and is a partnership of federal, state, and local interests overseeing the development and implementation of a management plan for the entire Barnegat Bay watershed. Additional information about the Barnegat Bay Partnership (BBP), including actions, projects, programs, and publications, is available on the BBP Web site at www.bbep.org

- **The Delaware Estuary Program (Partnership for the Delaware Estuary):** The Delaware Estuary Program activities are coordinated by the Partnership for the Delaware Estuary (PDE). The PDE is charged with addressing the full complement of actions called for in the CCMP. Additional information about the Partnership for the Delaware Estuary (PDE), including actions, projects, programs, and publications, is available on PDE's Web site at www.DelawareEstuary.org.

- **New York/New Jersey Harbor Estuary Program (HEP):** The primary focus of the New York/New Jersey Harbor Estuary Program (HEP) is on the core area of the Harbor. Additional information about the New York/New Jersey Harbor Estuary Program (HEP),

including actions, projects, programs, and publications, is available on the HEP Web site at http://www.harborestuary.org.

4.9: New Jersey's Wetlands Protection Program

In New Jersey, the chemical, physical, and biological integrity of wetlands is protected under both federal and state laws. Federal protection is provided under sections 303, 401, and 404 of the federal Clean Water Act (the Act). Section 303 provides protection through the antidegradation provisions of the Surface Water Quality Standards. (New Jersey's Surface Water Quality Standards include wetlands in the definition of "surface waters". When USEPA approves the state standards, they become the federal standards for state waters.) Section 401 is designed to allow the state to control any discharges to its waters that may result from the issuance of a federal permit or license, through a certification process. Section 404 addresses and regulates the discharge of dredge and/or fill material into wetlands and other waters of the state. In 1994, New Jersey began implementing its state program in place of the Section 404 program after being granted the authority by USEPA pursuant to Section 404(g) of the Act.

Several New Jersey statutes provide various levels of protection to wetlands, including the Freshwater Wetlands Protection Act (N.J.S.A. 13:9B-1 et seq.), the New Jersey Water Quality Planning Act (N.J.S.A. 588:11A-1) and the New Jersey Water Pollution Control Act (N.J.S.A. 58:10A-1). New Jersey protects coastal resources (including wetlands) under a variety of laws, including the Waterfront Development Law (N.J.S.A. 12:5-3), the Coastal Area Facility Review Act (N.J.S.A. 13:19), and the Wetlands Act of 1970 (N.J.S.A. 13:9A). The Department applies the New Jersey Coastal Permit Program Rules (N.J.A.C. 7:7), the Coastal Zone Management Rules (N.J.A.C. 7:7E), Water Quality Certification (Section 401), and Federal Consistency Determinations (Section 307 of the Federal Coastal Zone Management Act) to determine permitted uses and development of coastal resources. Specific protection is provided for New Jersey tidal wetlands through the Wetlands Act of 1970. Additional information about the Department's Wetlands Programs is available on the Department's Web site at http://www.nj.gov/dep/landuse/fww.html.

Wetlands Monitoring, Assessment and Research

The Department, in collaboration with Rutgers University, has been undertaking research focusing on quantitative wetland biological assessment methods. A goal of this research is to explore development of a wetlands index of biotic integrity (IBI) for New Jersey. To date, research has focused on riparian forested wetlands, primarily vegetative species, and macroinvertebrates, including possibly linking to the Department's macroinvertebrate monitoring network for streams. Reports will be available on the Department's web site at http://www.state.nj.us/dep/dsr/wetlands once they receive final approval.

In June 2010, the Department was awarded a new USEPA Wetlands Program Development Grant entitled, "Developing a Wetland Condition Monitoring Network for New Jersey: Application of New Assessment Methods." This project is currently being implemented and should be completed in 2016. Key outcomes will include:

- A statewide wetland monitoring network for freshwater and tidal wetlands in twelve HUC8 watersheds that complements the first USEPA NARS 2011 National Wetland Condition Assessment;
- Greater watershed protection by providing maps, a classification system, water quality information, and macroinvertebrate data for vulnerable springs as well as ecological integrity assessment of headwater seepage wetlands associated with springs;

- New floristic quality assessment metrics to assess the success of wetland mitigation projects; and

- Informed water allocation permitting decisions based on detailed hydrology, vegetation and soils condition data, and 5) and public investment in assessing, monitoring and protecting significant wetland resources statewide.

Long-term monitoring of coastal wetlands in Barnegat Bay and the Delaware Estuary is being conducted by the Partnership for the Delaware Estuary, Academy of Natural Sciences of Drexel University, Barnegat Bay Partnership, and the USFWS. Surface Elevation Tables (SET) and associated wetland assessments utilizing the Mid-Atlantic Tidal Rapid Assessment Method (MidTRAM) are being employed at a number of sites along the coast to assess the impacts of rising sea level on tidal marsh integrity. In 2014 the EPA awarded funding to the NJDEP to research reference diatom assemblages in sediments of the Barnegat Bay.

The Department's Coastal Management Program established a Coastal Shoreline Resiliency Program to prioritize and implement ecological restoration and protection of coastal wetlands including the creation of living shorelines to protect vegetated shorelines, beaches, and habitat in the littoral zone of coastal waterways from the effects of erosion due to sea level rise and storm surges.

In January 2014, the USEPA approved the Department's December 2013 New Jersey Wetland Program Plan 2014-2018 that addresses five core elements, 1) Monitoring and Assessment; 2) Regulation; 3) Voluntary Wetland Restoration, Creation, Enhancement and Protection and Improved Coastal Shoreline Resiliency; 4) Water Quality Standards for Wetlands; and 5) Public Outreach and Education. The first four are defined by USEPA; the fifth element was added by the Department to elevate the importance of cross-program coordination in wetlands monitoring. Detailed information is provided in the Program Plan, which is available on USEPA's Web site at http://water.epa.gov/type/wetlands/upload/njdep-wpp_2014-2018.pdf.

4.10: Water Compliance and Enforcement

Compliance and enforcement plays a critical role within the Department by deterring violations that would otherwise threaten our environment and the health of New Jersey's citizens. The Department seeks innovative ways to provide incentives, information, and assistance to the regulated community and the interested public to encourage compliance and environmental stewardship. The Department's Division of Water Compliance and Enforcement is responsible for ensuring compliance with the State's water programs, with a particular focus on inspections

of wastewater discharge and community drinking water supply facilities. The Department employs site inspections and detailed reviews of reported information to ascertain compliance and takes administrative actions, levies penalties, and where necessary, works cooperatively with criminal prosecutors, to ensure compliance.
In 1990, the Legislature enacted substantial amendments to the Water Pollution Control Act (WPCA), commonly known as the Clean Water Enforcement Act, P.L. 1990, c. 28 (CWEA). The CWEA requires the Department to inspect permitted facilities and municipal treatment works at least annually. Additional inspections are required when the permittee is identified as a significant noncomplier. The CWEA also requires the assessment of mandatory minimum penalties for violations of the WPCA that are considered serious violations and for violations by permittees designated as significant noncompliers. The CWEA requires the Department to submit a report on the implementation of the CWEA's requirements to the Governor and the Legislature by March 31 of each year. The statute also specifies the items that the Department must include in the report. The Department has organized the required information into several categories, including Permitting, Enforcement, Delegated Local Agencies, Criminal Actions, Fiscal, and Water Quality Assessment. Copies of these CWEA reports are available on the Department's Web site at http://www.nj.gov/dep/enforcement/report-cwea.html. Additional information about the Water Compliance and Enforcement is also available on the Department's Web site at http://www.nj.gov/dep/enforcement/water.html.

4.11: Water Quality Assurance Program

The Office of Quality Assurance (OQA) administers the Department's Quality Assurance Program, which is required by USEPA to ensure that environmental data used by the Department is generated, compiled, and reviewed using specific quality assurance/quality control (QA/QC) procedures. These procedures help to ensure that data is of documented quality and suitable for its intended use. OQA is responsible for developing and implementing the Department's Quality Management Plan (QMP) http://www.nj.gov/dep/oqa/qap.html, which defines the Department's mission and planned quality assurance work outputs for the forthcoming fiscal years. The QMP documents the Department's environmental principles and objectives, organizational responsibilities, and policies and procedures for the generation, compilation, review, and use of data of documented quality. The QMP was written to conform to the requirements outlined in the USEPA document, "EPA Requirements for Quality Management Plans", EPA QA/R-2. March 2001. USEPA requires that states receiving federal grants have a QMP with quality assurance work outputs as promulgated in Title 40 Code of Federal Regulations Parts 31 and 35. The Code of Federal Regulations lists both general and specific requirements for a state's environmental program and acceptable quality assurance (QA) for federally funded programs.

OQA is also responsible for certifying that the laboratories that analyze data used by the Department operate using appropriate quality control measures and analytic methods. OQA certifies over 800 laboratories granting nearly 125,000 certifications each year. Certification is available in ambient water quality as well as drinking water, wastewater, soils, solid/hazardous waste, and sludge and air for microbiological, toxicity, inorganic, organic, radon, radiochemical, and biological properties. Most Department programs requiring the collection of data require the use of a certified laboratory for data analysis. Certification is offered through both the State

Environmental Laboratory Certification Program and the state-run National Environmental Laboratory Accreditation Program.

The Office of Quality Assurance (OQA) offers certification for environmental testing laboratories to ensure that regulatory decisions made by federal, state, and municipal government agencies are based upon accurate and dependable analytical data. The OQA certifies laboratories in 36 states, Canada and overseas, and offers certification in: Drinking Water, Solid and Hazardous Waste, Air, Wastewater, Non-potable Water, and Radon. For more information on the Department's Water Quality Assurance program, visit the Department's Web site at http://www.nj.gov/dep/oqa.

4.12: Ground Water Quality Monitoring and Protection Programs

While the focus of the federal Clean Water Act is the protection of surface waters, New Jersey's Water Quality Planning Act and Water Pollution Control Act explicitly require protection of ground water quality, primarily as a source of potable water supplies. The primary goal of New Jersey's ground water quality programs is to provide safe drinking water, as required under the federal Safe Drinking Water Act (see also Source Water Protection Programs).

Groundwater Quality Standards

The New Jersey Ground Water Quality Standards (GWQS), N.J.A.C 7:9C, establish the designated uses of the State's ground waters, classify ground waters based on those uses, and specify the water quality criteria and other policies and provisions necessary to attain those designated uses. Ground water quality criteria are numerical values assigned to each constituent (pollutant) discharged to ground waters of the State. The GWQS also contain technical and general policies to ensure that the designated uses can be adequately protected. Ground water is classified according to its hydrogeologic characteristics and designated uses. Designated uses are assigned as primary or secondary uses of ground water and include maintenance of special ecological resources, provision of, and conversion to potable water, agricultural and industrial water supply, and other reasonable uses. For all ground waters of the State, the GWQS assign designated uses of the ground water within each classification (see N.J.A.C. 7:9C- 1.5), and establish numerical water quality criteria to support those uses (see N.J.A.C. 7:9C-1.7). The GWQS also establish antidegradation policies (see N.J.A.C. 7:9C-1.8), which are designed to protect the existing and designated uses of the State's ground waters.

The GWQS provide the objectives for regulatory and non-regulatory actions to protect and restore ground water quality, including NJPDES discharge to ground water permits and site remediation projects that must restore ground water quality to meet established ground water quality criteria. Ground water quality criteria are derived using the same human health risk assessments as drinking water maximum contaminant limits established pursuant to the federal Safe Drinking Water Act. More detailed information about the GWQS is available on the Department's Web site at http://www.state.nj.us/dep/wms/bears/gwqs.htm.

Ground Water Quality Monitoring

The Ambient Ground Water Quality Monitoring Network (AGWQMN) is a cooperative effort by the Department and USGS that monitors and provides information about land use-related nonpoint source contaminant effects on shallow ground water quality in the New Jersey. This information is important because this water recharges deeper aquifers used for potable water supplies and provides base flow to local streams and wetlands. Goals of the AGWQMN are to: (1) assess ground water quality status, (2) assess ground water quality trends, (3) evaluate contaminant sources, and (4) identify emerging water quality issues. The New Jersey Geological Survey (NJGS) is responsible for network design, well installation, well maintenance, collection of ground water samples, interpretation of data, and publication of reports. The Department and the USGS collect ground water samples at 150 wells and data are analyzed by USGS. Key parameters include pH, specific conductivity, dissolved oxygen, temperature, alkalinity, major ions, trace elements, nutrients, gross-alpha particle activity, volatile organic compounds (VOC), and pesticides. Samples are drawn just below the water table and generally represent relatively young groundwater. Wells are sampled, 30 per year, on a 5-year cycle. The first sampling cycle was completed between 1999 and 2003, and the second between 2004 and 2009. Assessment results for the Ambient Ground Water Quality Monitoring Network are available on the NJGS Web site at http://www.nj.gov/dep/njgs/enviroed/infocirc/ambient.pdf. Preliminary results of more recent ground water quality monitoring network are provided in Appendix F.

In addition to ambient ground water quality, the Department also conducts sampling of private wells pursuant to the New Jersey Private Well Testing Act. Approximately 400,000 private wells (about 13 percent of New Jersey residents) are used for drinking water in New Jersey, which are not subjected to federal regulation. New Jersey requires sampling of private wells when property is sold or leased. Wells statewide are required to be tested for bacteria (total coliform, fecal coliform, and *E. coli*), nitrates, lead, and 26 volatile organic compounds. All samples are raw water collected prior to any treatment. More details, along with monitoring results, are provided in Appendix F.

4.13 Air Quality Control

Airborne pollutants from human and natural sources can deposit back onto land and waterbodies, sometimes at great distances from the source, and can be an important contributor to declining water quality. Pollutants in waterbodies that may originate in part from atmospheric sources include nitrogen compounds, sulfur compounds, mercury, pesticides, and other toxics.Both human and natural processes can lead to air pollution. Human sources include the combustion of fossil fuels for power generation and transportation, the release of chemical byproducts from industrial and agricultural processes, and the incineration of waste. Natural processes that can release substantial amounts of pollutants into the air include volcanoes and forest fires.

Airborne pollution can fall to the ground in precipitation, in dust, or simply due to gravity. This type of pollution is called “atmospheric deposition” or “air deposition”. Pollution deposited from the air can reach water bodies in two ways. It can either be deposited directly onto the surface of the water (direct deposition) or be deposited onto land and be carried to water bodies through run

off (indirect deposition). Once these pollutants are in the water, they can have undesirable health and environmental impacts, such as contaminated fish, harmful algal blooms, and unsafe drinking water.

Addressing water quality impacts from atmospheric deposition of toxics and nitrogen is an increasingly important challenge since these pollutants can adversely impact both human health and the environment. Atmospheric deposition is a major contributor to the overall loading of mercury to U.S. waters. Nationally, mercury is the most frequently listed reason for fish consumption advisories. As of December 1999, 41 States had issued fish advisories for mercury. Additionally, atmospheric deposition of nitrogen contributes to eutrophication in a significant number of our coastal watersheds. According to EPA, roughly 10-40% of the nitrogen that reaches East and Gulf Coast estuaries is transported and deposited via the atmosphere.

Chapter 5: Special State Concerns and Recommendations - Barnegat Bay

The New Jersey Legislature passed the Barnegat Bay Act in 1987 (P.L. 1987, c. 397) requiring a study of the nature and extent of extensive the impacts that development was causing on the bay. The work of the Barnegat Bay Study Group resulted in a three-part study of Barnegat Bay, which included a profile, management recommendations, and a Watershed Management Plan for the Bay. In July 1995, USEPA accepted the nomination of the Barnegat Bay into the National Estuary Program (NEP).[35] As part of the NEP, USEPA was required to coordinate the development of a Comprehensive Conservation and Management Plan (CCMP) to restore and protect the ecological health and biological integrity and diversity of the Barnegat Bay Estuary. In 1997, the Barnegat Bay National Estuary Program was renamed the "Barnegat Bay Partnership". The Final CCMP for the Barnegat Bay Estuary was approved in May 2002.

The Barnegat Bay Partnership (BBP) completed two Strategic Plans through a collaborative effort between federal, state, and local partners to identify program priorities and refocus partnership efforts on implementing the CCMP. The 2008-2011 Strategic Plan identified the following five priorities:

1) Improving and strengthening working relationships and partnerships to focus on priority issues;
2) Understanding of the bay's condition and addressing the causes of water quality degradation within the ecosystem, especially eutrophication in the bay and stormwater and nonpoint source pollution in the watershed;
3) Addressing water supply and flow issues;
4) Preventing habitat loss, especially of submerged aquatic vegetation, and supporting habitat restoration; and
5) Improving understanding of, and addressing, fisheries declines.[36]

The 2012-2016 Strategic Plan builds on the progress made under the first and refines the priorities as:

1) Improve water quality throughout Barnegat Bay by focusing on causes of water quality degradation, especially eutrophication, stormwater, and other sources of pollution;
2) ensure adequate water supplies and water flow for ecological and human uses that will support a sustainable watershed; protect, restore, and enhance habitats, especially submerged aquatic vegetation, marshes, shellfish, and large terrestrial tracts;
3) Protect, restore and enhance healthy populations of finfishes, shellfishes, and other wildlife by increasing our understanding of the dynamics of fish communities and other biota; and
4) Identify and promote holistic and collaborative approaches to land-use planning, and practices that will improve soil function and hydrology that will restore and enhance water quality and quantity.[37]

[35] Barnegat Bay Partnership Web site at http://bbp.ocean.edu/pages/131.asp
[36] Ibid.
[37] Ibid.

On December 9, 2010 the Governor of New Jersey announced the Barnegat Bay Action Plan to address the ecological health of the 660-square-mile Barnegat Bay watershed. Based on the issues identified in the CCMP and a broader stakeholder process, the Action Plan recognizes that there are multiple stressors potentially responsible for the observed conditions of the Bay, including water quality, and identified several areas that would be the focus of immediate action:

Action Plan Item #1: Close Oyster Creek Nuclear Power Plant
Action Plan Item #2: Fund Stormwater Runoff Mitigation Projects
Action Plan Item #3: Reduce Nutrient Pollution from Fertilizer
Action Plan Item #4: Require Post-Construction Soil Restoration
Action Plan Item #5: Acquire Land in the Watershed
Action Plan Item #6: Special Area Management Planning
Action Plan Item #7: Adopt More Rigorous Water Quality Standards
Action Plan Item #8: Educate the Public
Action Plan Item #9: Fill in the Gaps on Research
Action Plan Item #10: Reduce Water Craft Impacts

There has been growing concern about the health of the Bay based on observed loss of sea grasses such as eelgrass and widgeon grass, collectively referred to as submerged aquatic vegetation (SAV), episodic blooms of macro algae and brown tides, decline of hard clams, and increasing numbers of invasive species such as sea nettles. The full suite of stressors and biological, chemical, and physical processes responsible for these observations is not entirely known. Alteration of the shoreline, hydrologic modification, resource harvesting, boating, the effects of the Oyster Creek nuclear generation facility, and declining water quality are all suspected causes.

Action Plan Items #7 and #9:

Numeric water quality standards already exist for some parameters in estuarine waters; and on December 21, 2010, the Department adopted narrative nutrient criteria for coastal waters. However, developing numeric translators for narrative nutrient criteria is a complex and challenging task that not yet been completed. To develop narrative criteria translators and to determine if existing numeric criteria are protective of designated uses in the Barnegat Bay requires a better understanding of the complex processes that define water quality in the Bay. To that end, and in support of Action Item 7, the Department launched a comprehensive ambient water quality monitoring initiative in the Bay on June 6, 2011. The Department engaged multiple partners to carry out New Jersey's most comprehensive water quality monitoring project to date, generating over 5,000 water samples collected over a two-year period.

The monitoring initiative was designed to determine the locations and extent of water quality impairments, and to calibrate and validate modeling tools used to define the relationship between pollutants loads and water quality. These relationships will be used in combination with the findings of ecological research conducted under Action Item 9. Ten research projects are expected to provide information that will clarify linkages between water quality and the health of the various plant and animal communities that define the health of the Bay. This information will be used to interpret the narrative criteria and to determine if new or revised numeric water

quality criteria are appropriate for Barnegat Bay. The new water quality data being generated under Action Items #7 and #9 will also be used to establish the baseline conditions of the Bay and to assess these conditions against current water quality standards and confirm the nature and extent of water quality impairment. This assessment will direct action, including possible establishment of a TMDL, needed to restore water quality in the Bay.

Additional information and the current status of Action Item 7 is available on the Department's Web site at http://www.state.nj.us/dep/barnegatbay/plan-wqstandards.htm. Information and status regarding all ten Action Items is available on the Department's website at http://www.state.nj.us/dep/barnegatbay/index.htm.

Action Plan Item #3: Fertilizer Law

One of the primary sources of nutrients in New Jersey's waters is stormwater runoff from residential and commercial lawns containing fertilizer. Generally, excess nitrogen is a threat to coastal water (estuaries) quality while excess phosphorus is a greater concern for fresh water quality.[38] Both nutrients are also important for plant growth and health.

In 2007, the Department began working with the lawn care industry to voluntarily reduce the content of phosphorus in fertilizer by 50%. New Jersey's 2009-2010 Annual Nonpoint Source Report documented a statewide phosphorus reduction of 172,000 pounds per year (lbs/yr) in federal fiscal year 2008, which is mainly attributed to the Department's "Healthy Lawns Healthy Water" campaign, in conjunction with 319(h) nonpoint source pollution control grant projects. The New Jersey Department of Agriculture also reported a declining trend in tons of fertilizer used between 2008 and 2012, based on New Jersey fertilizer sales data. See http://www.soildistrict.org/wp-content/uploads/2012/07/Fertilizer_Law_A2290_QuickFacts.pdf.

On January 5, 2011 the fertilizer reduction initiative was elevated to a new level when Governor Chris Christie, in support of Barnegat Bay Action Item No. 3, signed into law one of the most restrictive fertilizer content standards in the nation for nitrogen and phosphorus. The New Jersey Fertilizer Law (P.L.2010, c. 112) is implemented in three phases. Phase 1 became effective when the law was signed and requires the use of best management practices to reduce the impacts of fertilizers on waterways, along with public education regarding correct fertilizer use. Phase 2 commenced in 2012 with the creation of a certification program for professional fertilizer applicators and lawn care providers. To date, over 1,500 professionals have been tested and are certified through the New Jersey Agricultural Experiment Station at Rutgers, the State University of New Jersey. An additional 700 staff and seasonal employees have been trained by a certified professional. Phase III began in 2013 and requires manufacturers to reformulate fertilizers with reduced nitrogen and zero phosphorus content, except in certain situations such as when establishing a new lawn or turf, or when a soil test indicates a need for additional phosphorus. (This requirement is not applicable to home gardens.) Additional information about the fertilizer law and its implementation is available on the Department's Web site at http://www.nj.gov/dep/healthylawnshealthywater/.

[38] Rutgers, New Jersey Agricultural Experiment Station, Cooperative Extension. Quick Facts: 2011 New Jersey Fertilizer Law. http://snyderfarm.rutgers.edu/pdfs/Fertilizer_Law_A2290_QuickFacts.pdf.

Chapter 6: Cost/Benefit Analysis

Although the value of water quality protection is hard to quantify, it is obvious that water quality conditions impact the dollars expended on water-related activities such as recreational boating, swimming, and fishing; dollars generated by commercial fisheries, including shellfish, and the seafood industry; as well as the economic benefit generated by jobs, housing, retail sales, and tourism associated with these industries. Good water quality provides economic benefits associated with recreation, tourism, and marine industries, as well as the resultant tax revenues, and reduces the costs of treatment required to meet drinking water standards for potable water supplies. Therefore, protecting, restoring, and maintaining water quality in all our waterways has a direct and positive impact on the State's economy.

While water of adequate quality and quantity is important for all types of ecosystems, it is particularly important for aquatic ecosystems. Aquatic ecosystems provide a number of long-term economic benefits to society, including ecosystem "services" such as temporary storage of floodwaters by wetlands, water purification from wetlands, and numerous others. In 2007, the Department estimated the economic value of New Jersey's aquatic ecosystems at more than 19 billion dollars (see Table 6.1).[39] These estimated values make it clear that water of a quality and quantity sufficient to support these ecosystems in a state of healthy functioning is an essential part of a natural environment that provides extremely large economic benefits to New Jersey.

Table 6.1: Annual Ecosystem Service Values for Aquatic Ecosystems in New Jersey

Ecosystem Type	Total Acres as of 2002	Ecosystem Service Value (2009 $/acre/yr)	Ecosystem Service Value (2009 $/yr)
Freshwater wetlands	814,479	$13,141	$10,703,270,530
Estuaries	455,700	$13,238	$6,032,469,106
Saltwater wetlands	190,520	$6,965	$1,326,936,744
Coastal shelf	299,835	$1,476	$442,455,715
Beaches/dunes	7,837	$47,879	$375,227,660
Open fresh water	86,232	$869	$74,939,057
Riparian buffers	15,146	$3,842	$58,190,205
Total	**1,869,749**		**$19,013,489,018**

In 2008, the Department estimated the cost of protecting New Jersey's water resources from nonpoint sources alone as more than 17 billion dollars – the highest in the nation. In 2012, the

[39] NJDEP. Valuing New Jersey's Natural Capital: An Assessment of the Economic Value of the State's Natural Resources. April 2007. http://www.nj.gov/dep/dsr/naturalcap. Table 7.1 is based on data from Table 4 of Part II this report. Dollar amounts were converted from 2004 to 2009 dollars using the change in the Consumer Price Index for All Urban Consumers published by the U.S. Department of Labor's Bureau of Labor Statistics at http://www.bls.gov/cpi/.

Department calculated over 21 billion dollars in total clean water needs for New Jersey. These numbers were derived from the Clean Watersheds Needs Survey (CWNS) conducted every four year pursuant to CWA Sections 205(a) and 516. The 2012 figure is draft and not final until USEPA submits the Clean Water Needs Survey 2012 Report to Congress later this year. The CWNS is a comprehensive assessment of the capital needs required to meet the CWA's water quality goals. Under the CWNS, USEPA and states collect information about publicly owned wastewater collection and treatment facilities, stormwater and combined sewer overflows (CSOs) control facilities, nonpoint source (NPS) pollution control projects, and decentralized wastewater management. This information includes estimated needs (costs) to address water quality impairment or public health concerns related to water quality. USEPA compiles the CWNS results to document national needs in its Report to Congress. The report provides Congress, as well as state legislatures, with information to assist their budgeting efforts. The data are also used to help measure environmental progress, provide information to the public, and to assist local and state governments implement water quality programs.

New Jersey's 2008 CWNS utilized the Innovative Method option offered by USEPA. This approach included: demonstrating needs utilizing TMDLs, 303(d) Listings, and regulations; choosing best management practices (BMPs) appropriate to address the identified needs (i.e., constructed wetlands, porous pavement, peak reduction, rain gardens and Special Water Resource Protection Area projects); determining an eligible cost for each BMP (USEPA required three actual costs or engineering estimates for each BMP); and applying the needs/costs statewide. USEPA required that information and costs be provided on a HUC 14 subwatershed basis, based on appropriate land uses. Regional costs were adjusted by utilizing location factors. Additional information about the CWNS is available on USEPA's Web site at http://water.epa.gov/scitech/datait/databases/cwns/index.cfm.

For the 2012 draft Clean Water Needs Survey results for New Jersey, the largest cost percent was associated with total wastewater treatment and conveyance needs as well as combined sewer overflow needs at 42% or 16.8 billion dollars. While these cost estimates may seem overwhelming, the economic benefits, as documented above, far outweigh the costs, as shown in Table 7.1. Improved water quality, achieved through the investments identified in the CWNS, will result in an increase in the number of recreational freshwater fishing licenses issued by the State, increased marine fishing and shellfish harvesting, and a decrease in closures at New Jersey's ocean and bay beaches; all of which provide economic benefits associated with recreation, tourism, and marine industries, as well as the resultant tax revenues. The reduction in combined sewer overflows discharge to New Jersey's waterbodies will improve both aquatic life and recreational designated uses of these waters.

Additional economic benefit is realized from the natural services that help protect and maintain water quality in New Jersey's, including wetlands; marine ecosystems; forests; urban green space; beaches and dunes; agricultural land, cropland, and pasture; and open fresh water and riparian buffers. All contribute to ecosystem services ("ecoservices") such as temporary storage of flood waters by wetlands, long-term storage of greenhouse gases in forests, dilution and assimilation of wastes by rivers, recreational opportunities, and numerous others. All of these services provide economic value to human beings and offset the significant costs borne for their protection.

Chapter 7: Public Participation

Summary of the Public Participation Process for the 2014 Integrated List

The Integrated Report combines the reporting requirements of Sections 305(b) and 303(d) of the federal Clean Water Act. The Integrated List component of the Report, which categorizes the results of use assessments for all the State's assessment units as fully supporting, not supporting, or insufficient information, satisfies the reporting requirements of Section 305(b) formerly addressed by the Statewide Water Quality Inventory Report. The 303(d) List component of the Report, which satisfies the reporting requirements of Section 303(d), includes the assessment units identified as not supporting one or more designated uses, the pollutants causing non-support of those assessment units, and their priority ranking for TMDL development. The requirements identified in this section regarding public participation, USEPA approval, and adoption apply only to the 303(d) List component of the Integrated Report.

The Department is required under 40 CFR 130.7(b)(6) to provide a description of the methodology used to develop the 303(d) List. This Methods Document lays out the framework for assessing data and categorizing assessment units as fully supporting, not supporting, or insufficient information for the Integrated List. The Department develops a draft Methods Document that is made available for public review and comment through public notification, as outlined below. After finalizing the Methods Document, the Department assesses the data in accordance with those methods and develops the Integrated Report, which includes the draft Integrated List, draft 303(d) List, and two-year TMDL Schedule. A public notice is published in the New Jersey Register announcing that the draft Integrated List and draft 303(d) List are available for public review and comment. The Integrated List and 303(d) List are revised, as appropriate, after full consideration of comments received. The public is afforded the opportunity to participate in three key phases of development of the Integrated List: 1) submission of data, 2) review of and comment on the proposed assessment methods; and 3) review of and comment on the proposed Integrated List and 303(d) List. These phases are summarized below.

Public Submission of Data

Public participation begins with a public request for data submissions. The Department provides several avenues for announcing its intent to seek water quality data from the general public, including publication of a notice in the New Jersey Register, posting on the Department's Web site, and electronic announcement sent to subscribers of the Department's Listservs (see the Department's Web site at http://www.nj.gov/dep/wms/subscribe.htm).

A public notice regarding data submittal requirements for the 2014 303(d) List and Integrated Report was published in the New Jersey Register on February 19, 2013(see 45 N.J.R. 378(a)). The public notice (and other notifications) specified that, for the 2014 Integrated Report, the Department was seeking data collected by December 31, 2012 that met all Department data requirements, was collected in compliance with a Department-approved (and signed) Quality Assurance and Quality Control Plan, was available to the public (i.e., not proprietary in nature), and was submitted electronically via the Department's Water Quality Data Exchange (WQDE) System or through USEPA's Water Quality Exchange (WQX) system. The deadline for

submitting data for consideration in the development of the 2014 Integrated Report was July 1, 2013.

In determining which data were appropriate and "readily available" for assessment purposes, the Department considered quality assurance/quality control, monitoring design, age of data, accurate sampling location information, data documentation, and use of electronic data management. Data requirements are discussed in detail in Chapter 3 of the 2014 Methods Document. Data that was rejected for quality concerns or other reasons are identified in Appendix E: Date Sources for the 2014 Integrated Report. The Department continues to work with data-generating organizations to organize their data, provide training in acceptable sampling techniques, and certify laboratories and field measurement protocols.

Public Review of Draft Documents

Once the Department has completed its review of the data submitted by other entities and incorporates the results as appropriate, the Department provides an opportunity for public review of the Integrated Water Quality Monitoring and Assessment Methods Document and the Draft Integrated List. The Department publishes a notice in the New Jersey Register and on the Department Web site announcing the availability of these documents for public review and comment. Adjacent states, federal, and interstate agencies are also notified, as appropriate.

Methods Document: On July 21, 2014, the Department published a public notice (see 46 N.J.R. 1719(c)) announcing availability for review of the draft 2014 Integrated Water Quality Monitoring and Assessment Methods Document. This document includes a description of the quality assurance requirements as well as the rationale for the placement of waterbodies on the Integrated List. The public comment period ended on August 20, 2014. After review and consideration of comments received, the Department will publish the final 2014 Methods Document concurrent with the draft 2014 303(d) List) in the New Jersey Register and on the Department's Web site at http://www.state.nj.us/dep/wms/bears/2014_integrated_report.htm.

303(d) List: The Department is required to propose the 303(d) List of Water Quality Limited Waters (303(d) List) as an amendment to the Statewide Water Quality Management Plan, provide an opportunity for public comment, and adopt the amendment in accordance with N.J.A.C. 7:15-6.4. A public notice announcing the availability for review of the draft 2014 303(d) List, as a component of the 2014 Integrated Report, will be published in the New Jersey Register and on the Department's Web site at http://www.state.nj.us/dep/wms/bears/2014_integrated_report.htm, followed by a 30-day public comment period. After the public comment period closes, the 2014 303(d) List and the Integrated Report will be revised as needed to address comments submitted by USEPA and other commenters, and will be submitted to USEPA for formal approval. Upon receiving approval from USEPA, the 2014 303(d) List will be adopted as an amendment to the Statewide Water Quality Management Plan pursuant to N.J.A.C. 7:15-6, a public notice announcing the adoption will be published in the New Jersey Register, and the final versions of the 2014 303(d) List and Integrated Report will be published on the Department's Web site.

Appendices

- **Appendix A**: **Designated Use Assessment Results**
  - 2014 Draft Integrated List of Waters (Integrated List) – Sublists 1-5
  - Changes in Designated Use Assessment Results from 2012 IR

- **Appendix B: Causes of Use Non-support (Water Quality Impairment)**
  - 2014 Draft 303(d) List of Water Quality Limited Waters (303(d) List) with Sublist 5 Subpart and Priority Ranking for TMDL Development
  - 2014 Draft Two-Year Schedule for Total Maximum Daily Load (TMDL) Development
  - Source(s) of Parameter(s) Causing Use Impairment (Sublists 4 and 5)

- **Appendix C: Causes Removed from Sublists 4 or 5**
  - 2014 Draft Causes Removed from Sublist 4 (with Reasons and Explanations)
  - 2014 Draft Causes Removed from Sublist 5/303(d) List (Delisted Waters, with Reasons and Explanations)

- **Appendix D: Causes Not Added to Sublist 5/303(d)**
  - 2014 Draft Decisions to Not List Causes on the 2014 303(d) List/Sublist 5 (Waters Not Listed, with Reasons and Explanations)
  - Justification for pH Not Listed Due to Natural Conditions

- **Appendix E**: Data Sources for the 2014 Integrated Report

- **Appendix F: Ground Water Quality Monitoring Results**
  - Ambient Ground Water Quality Monitoring Network (1999-2008)
  - New Jersey Private Well Testing Results

WMA	Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Aquatic Life - Trout	Recreation	Water Supply	Shellfish	Fish Consumption
15	02040302020030-01	Absecon Creek (AC Reserviors) (gage to SB)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Not Supporting
15	02040302020040-01	Absecon Creek (below gage)	Not Supporting	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting
15	02040302020010-01	Absecon Creek NB	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Not Supporting
15	02040302020020-01	Absecon Creek SB	Fully Supporting	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
14	02040301160110-01	Albertson Brook / Gun Branch	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
11	02040105210010-01	Alexauken Ck (above 74d 55m)	Not Supporting	Not Supporting	Insufficient Data	Fully Supporting	N/A	Insufficient Data
11	02040105210020-01	Alexauken Ck (below 74d 55m to 11BA06)	Not Supporting	Not Supporting	Not Supporting	Not Supporting	N/A	Insufficient Data
17	02040206060020-01	Alloway Ck (above Alloway-Woodstown Rd)	Not Supporting	N/A	Insufficient Data	Not Supporting	N/A	Insufficient Data
17	02040206060090-01	Alloway Ck (below HancocksBr) to Salem R	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting
17	02040206060080-01	Alloway Ck (HancocksBridge to NewBridge)	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting
17	02040206060060-01	Alloway Ck (New Bridge to Quinton)	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting
17	02040206060050-01	Alloway Ck (Quinton to Alloway-WdstwnRd)	Insufficient Data	N/A	Insufficient Data	Insufficient Data	Not Supporting	Not Supporting
18	02040202120060-01	Almonesson Creek	Not Supporting	N/A	Insufficient Data	Not Supporting	N/A	Not Supporting
14	02040301160010-01	Alquatka Branch	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
09	02030105120110-01	Ambrose Brook (above/incl Lake Nelson)	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
09	02030105120120-01	Ambrose Brook (below Lake Nelson)	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
07	02030104050120-01	Arthur Kill waterfront (below Grasselli)	Not Supporting	N/A	Fully Supporting	N/A	N/A	Not Supporting
20	02040201100010-01	Assiscunk Ck (above Rt 206)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
20	02040201100060-01	Assiscunk Ck (below Neck Rd)	Fully Supporting	N/A	Not Supporting	Fully Supporting	N/A	Not Supporting
20	02040201100040-01	Assiscunk Ck (Jacksonville rd to Rt 206)	Not Supporting	N/A	Insufficient Data	Not Supporting	N/A	Insufficient Data
20	02040201100050-01	Assiscunk Ck (Neck Rd to Jacksonville rd)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
11	02040105230010-01	Assunpink Ck (above Assunpink Lake)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
11	02040105240060-01	Assunpink Ck (below Shipetaukin Ck)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
11	02040105230020-01	Assunpink Ck (NewSharonBr to/incl Lake)	Not Supporting	N/A	Insufficient Data	Not Supporting	N/A	Not Supporting
11	02040105230050-01	Assunpink Ck (Shipetaukin to Trenton Rd)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
11	02040105230040-01	Assunpink Ck (TrentonRd to NewSharonBr)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
16	02040302940010-01	Atl Coast(34th St to Corson Inl)	Not Supporting	N/A	Fully Supporting	N/A	Fully Supporting	Insufficient Data
15	02040302920010-01	Atl Coast(Absecon In to Ventnor)	Not Supporting	N/A	Fully Supporting	N/A	Fully Supporting	Insufficient Data
13	02040301920010-01	Atl Coast(Barnegat to Surf City)	Not Supporting	N/A	Fully Supporting	N/A	Fully Supporting	Insufficient Data
16	02040302940050-01	Atl Coast(CM Inlet to Cape May Pt)	Not Supporting	N/A	Fully Supporting	N/A	Fully Supporting	Insufficient Data
16	02040302940020-01	Atl Coast(Corson to Townsends In)	Not Supporting	N/A	Fully Supporting	N/A	Fully Supporting	Insufficient Data

WMA	Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Aquatic Life - Trout	Recreation	Water Supply	Shellfish	Fish Consumption
15	02040302930010-01	Atl Coast(Great Egg to 34th St)	Not Supporting	N/A	Fully Supporting	N/A	Fully Supporting	Insufficient Data
13	02040301920030-01	Atl Coast(Haven Bch to Lit Egg)	Not Supporting	N/A	Fully Supporting	N/A	Fully Supporting	Insufficient Data
16	02040302940040-01	Atl Coast(Hereford to Cape May In)	Not Supporting	N/A	Fully Supporting	N/A	Fully Supporting	Insufficient Data
13	02040301910020-01	Atl Coast(Herring Is to Rt 37)	Not Supporting	N/A	Fully Supporting	N/A	Fully Supporting	Insufficient Data
14	02040302910010-01	Atl Coast(Ltl Egg to Absecon In)	Not Supporting	N/A	Fully Supporting	N/A	Fully Supporting	Insufficient Data
13	02040301910010-01	Atl Coast(Manasquan/Herring Is)	Not Supporting	N/A	Fully Supporting	N/A	Fully Supporting	Insufficient Data
12	02030104920020-01	Atl Coast(Navesink R to WhalePond)	Not Supporting	N/A	Fully Supporting	N/A	Fully Supporting	Insufficient Data
16	02040303060201-01	Atl Coast(off Cape May Pt)	Not Supporting	N/A	Fully Supporting	N/A	Fully Supporting	Insufficient Data
13	02040301910030-01	Atl Coast(Rt 37 to Barnegat Inlet)	Not Supporting	N/A	Fully Supporting	N/A	Fully Supporting	Insufficient Data
12	02030104920010-01	Atl Coast(Sandy H to Navesink R)	Not Supporting	N/A	Fully Supporting	N/A	Fully Supporting	Insufficient Data
12	02030104930020-01	Atl Coast(Shark R to Manasquan)	Not Supporting	N/A	Fully Supporting	N/A	Fully Supporting	Insufficient Data
13	02040301920020-01	Atl Coast(Surf City to Haven Be)	Not Supporting	N/A	Fully Supporting	N/A	Fully Supporting	Insufficient Data
16	02040302940030-01	Atl Coast(Townsends to Hereford In)	Not Supporting	N/A	Fully Supporting	N/A	Fully Supporting	Insufficient Data
15	02040302920020-01	Atl Coast(Ventnor to Great Egg)	Not Supporting	N/A	Fully Supporting	N/A	Fully Supporting	Insufficient Data
12	02030104930010-01	Atl Coast(Whale Pond to Shark R)	Not Supporting	N/A	Fully Supporting	N/A	Fully Supporting	Insufficient Data
12	02030104090090-01	Atl Drainage (Shark R - Deal Lk)	Insufficient Data	N/A	Insufficient Data	N/A	Insufficient Data	Insufficient Data
15	02040302050020-01	Babcock Creek (GEHR)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
08	02030105030050-01	Back Brook	Not Supporting	N/A	Not Supporting	Insufficient Data	N/A	Insufficient Data
20	02040201070010-01	Back Creek (above Yardville-H Sq Road)	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
17	02040206100030-01	Back Creek (Sea Breeze Rd to Cedar Ck)	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting
14	02040301200070-01	Ballanger Creek	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Insufficient Data
07	02030104050030-01	Baltusrol trib (above Springfield Sta)	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
09	02030105150050-01	Barclay Brook	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
20	02040201100020-01	Barkers Brook (above 40d02m30s)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
13	BarnegatBay07	Barnegat Bay Central Bottom	Insufficient Data	N/A	Fully Supporting	N/A	Fully Supporting	Insufficient Data
13	BarnegatBay06	Barnegat Bay Central East	Insufficient Data	N/A	Fully Supporting	N/A	Fully Supporting	Insufficient Data
13	BarnegatBay05	Barnegat Bay Central West	Not Supporting	N/A	Fully Supporting	N/A	Fully Supporting	Insufficient Data
13	02040301100020-01	Barnegat Cntrl tribs (CedarCk - Forked R)	Insufficient Data	N/A	Insufficient Data	N/A	Fully Supporting	Insufficient Data
13	02040301050040-01	Barnegat North tribs (Tide Ck to Rt 37)	Insufficient Data	N/A	Fully Supporting	Insufficient Data	Insufficient Data	Insufficient Data
13	02040301120020-01	Barnegat South tribs (below Lochiel Ck)	Insufficient Data	N/A	Insufficient Data	N/A	Fully Supporting	Insufficient Data
17	02040206090010-01	Barrett Run (above West Ave)	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data

WMA	Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Aquatic Life - Trout	Recreation	Water Supply	Shellfish	Fish Consumption
19	02040202060040-01	Barton Run (above Kettle Run Road)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
19	02040202060050-01	Barton Run (below Kettle Run Road)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
14	02040301200060-01	Bass River (below WB / EB)	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Insufficient Data
14	02040301200050-01	Bass River EB	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Not Supporting
14	02040301200040-01	Bass River WB	Fully Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
14	02040301150010-01	Batsto River (above Hampton Gate)	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
14	02040301150080-01	Batsto River (Batsto gage to Quaker Bridge)	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Not Supporting
14	02040301150050-01	Batsto River (CNJRR to Hampton Gate)	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
14	02040301150060-01	Batsto River (Quaker Bridge to CNJRR)	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
10	02030105100120-01	Bear Brook (above Trenton Road)	Fully Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
10	02030105100130-01	Bear Brook (below Trenton Road)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
01	02040105080010-01	Bear Brook (Sussex/Warren Co)	Not Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
01	02040105080020-01	Bear Creek	Fully Supporting	Fully Supporting	Insufficient Data	Insufficient Data	N/A	Insufficient Data
19	02040202060060-01	Bear Swamp River	Not Supporting	N/A	Fully Supporting	Insufficient Data	N/A	Insufficient Data
14	02040301200010-01	Beaver Branch (Wading River)	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Not Supporting
01	02040105100030-01	Beaver Brook (above Hope Village)	Fully Supporting	Insufficient Data	Insufficient Data	Insufficient Data	N/A	Insufficient Data
01	02040105100040-01	Beaver Brook (below Hope Village)	Fully Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
08	02030105020050-01	Beaver Brook (Clinton)	Not Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
06	02030103030110-01	Beaver Brook (Morris County)	Not Supporting	Insufficient Data	Not Supporting	Not Supporting	N/A	Not Supporting
18	02040202160040-01	Beaver Creek (Oldmans Creek)	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Not Supporting
02	02020007010060-01	Beaver Run	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
13	02040301040010-01	Beaverdam Creek	Not Supporting	N/A	Insufficient Data	Insufficient Data	Not Supporting	Insufficient Data
10	02030105110040-01	Beden Brook (above Province Line Rd)	Fully Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
10	02030105110050-01	Beden Brook (below Province Line Rd)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
03	02030103070010-01	Belcher Creek (above Pinecliff Lake)	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
03	02030103070020-01	Belcher Creek (Pinecliff Lake & below)	Fully Supporting	Fully Supporting	Fully Supporting	Fully Supporting	N/A	Insufficient Data
17	02040206180040-01	Berryman Branch (Menantico Creek)	Fully Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
05	02030103180060-01	Berrys Creek (above Paterson Ave)	Not Supporting	N/A	Insufficient Data	N/A	N/A	Not Supporting
05	02030103180070-01	Berrys Creek (below Paterson Ave)	Not Supporting	N/A	Fully Supporting	N/A	N/A	Not Supporting
16	02040206230010-01	Bidwell Creek (above Rt 47)	Not Supporting	N/A	Insufficient Data	Insufficient Data	Not Supporting	Not Supporting
16	02040206230020-01	Bidwell Creek (below Rt 47)-Dias to GoshenCk	Not Supporting	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting

WMA	Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Aquatic Life - Trout	Recreation	Water Supply	Shellfish	Fish Consumption
12	02030104070030-01	Big Brook	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
01	02040104140010-01	Big Flat Brook (above Forked Brook)	Insufficient Data	N/A	Fully Supporting	Insufficient Data	N/A	Not Supporting
01	02040104140040-01	Big Flat Brook (Confluence to Kittle Rd)	Insufficient Data	Not Supporting	Fully Supporting	Not Supporting	N/A	Insufficient Data
01	02040104140030-01	Big Flat Brook (Kittle Rd to Forked Bk)	Insufficient Data	Insufficient Data	Fully Supporting	Fully Supporting	N/A	Insufficient Data
18	02040202120080-01	Big Timber Creek (below NB/SB confl)	Insufficient Data	N/A	Insufficient Data	Fully Supporting	N/A	Not Supporting
18	02040202120010-01	Big Timber Creek NB (above Laurel Rd)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
18	02040202120020-01	Big Timber Creek NB (below Laurel Rd)	Not Supporting	Insufficient Data	Not Supporting	Not Supporting	N/A	Not Supporting
18	02040202120030-01	Big Timber Creek SB (above Lakeland Rd)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Not Supporting
18	02040202120050-01	Big Timber Creek SB (below Bull Run)	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Not Supporting
18	02040202120040-01	Big Timber Creek SB (incl Bull Run to LakelandRd)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
18	02040202150070-01	Birch Creek	Insufficient Data	N/A	Fully Supporting	Insufficient Data	N/A	Not Supporting
19	02040202030080-01	Bisphams Mill Creek (below McDonalds Br)	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
06	02030103010060-01	Black Brook (Great Swamp NWR)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
06	02030103020070-01	Black Brook (Hanover)	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
02	02020007040010-01	Black Creek (above/incl G.Gorge Resort trib)	Not Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
02	02020007040020-01	Black Creek (below G. Gorge Resort trib)	Not Supporting	Insufficient Data	Not Supporting	Not Supporting	N/A	Insufficient Data
13	02040301070050-01	Blacks Branch (above 74d22m05s)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
20	02040201080010-01	Blacks Creek (above 40d06m10s)	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
20	02040201080020-01	Blacks Creek (Bacons Run to 40d06m10s)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
20	02040201080030-01	Blacks Creek (below Bacons Run)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Not Supporting
17	02040206140040-01	Blackwater Branch (above/incl Pine Br)	Fully Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
17	02040206140050-01	Blackwater Branch (below Pine Branch)	Insufficient Data	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
01	02040105050020-01	Blair Creek	Fully Supporting	Not Supporting	Insufficient Data	Fully Supporting	N/A	Insufficient Data
14	02040301160100-01	Blue Anchor Brook	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
19	02040202070010-01	Bobbys Run	Not Supporting	N/A	Fully Supporting	Insufficient Data	N/A	Not Supporting
09	02030105120100-01	Bound Brook (below fork at 74d 25m 15s)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Not Supporting
12	02030104080030-01	Branchport Creek	Not Supporting	N/A	Not Supporting	Insufficient Data	Not Supporting	Not Supporting
17	02040206100020-01	Bridges Sticks Creek / Ogden Creek	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting
20	02040201040010-01	Brindle Lake and above (Jumping Brook)	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
01	02040105110020-01	Buckhorn Creek (incl UDRV)	Fully Supporting	Not Supporting	Insufficient Data	Fully Supporting	N/A	Insufficient Data
19	02040202030050-01	Bucks Cove Run / Cranberry Branch	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Not Supporting

WMA	Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Aquatic Life - Trout	Recreation	Water Supply	Shellfish	Fish Consumption
17	02040206170040-01	Buckshutem Creek (above Rt 555)	Fully Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
17	02040206170050-01	Buckshutem Creek (below Rt 555)	Not Supporting	N/A	Fully Supporting	Not Supporting	Not Supporting	Not Supporting
14	02040301170050-01	Bull Creek / Little Bull Creek	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
08	02030105060020-01	Burnett Brook (above Old Mill Rd)	Fully Supporting	Insufficient Data	Fully Supporting	Fully Supporting	N/A	Insufficient Data
17	02040206140020-01	Burnt Mill Branch / Hudson Branch	Not Supporting	N/A	Insufficient Data	Not Supporting	N/A	Insufficient Data
19	02040202050010-01	Burrs Mill Bk (above 39d51m30s road)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
19	02040202050020-01	Burrs Mill Bk (Burnt Br Br- 39-51-30 rd)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
19	02040202050030-01	Burrs Mill Bk (BurrsMill to Burnt Br Br)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
08	02030105020060-01	Cakepoulin Creek	Fully Supporting	Fully Supporting	Fully Supporting	Fully Supporting	N/A	Fully Supporting
06	02030103010140-01	Canoe Brook	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
17	02040206070030-01	Canton Drain (above Maskell Mill)	Insufficient Data	N/A	Fully Supporting	Insufficient Data	N/A	Not Supporting
17	02040206070040-01	Canton Drain (below Maskell Mill)	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting
16	02040302080040-01	Cape May Bays (Reubens Wharf-BigElderCk)	Not Supporting	N/A	Fully Supporting	N/A	Fully Supporting	Insufficient Data
16	02040302080070-01	Cape May Bays (Rt 47 to Reubens Wharf)	Not Supporting	N/A	Fully Supporting	N/A	Not Supporting	Insufficient Data
16	02040302080050-01	Cape May Courthouse tribs	Not Supporting	N/A	Insufficient Data	N/A	Not Supporting	Insufficient Data
16	02040302080090-01	Cape May Harbor & Bays (below Rt 47)	Not Supporting	N/A	Fully Supporting	N/A	Not Supporting	Insufficient Data
17	02040206180020-01	Cedar Branch (Menantico Creek)	Fully Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
10	02030105100080-01	Cedar Brook (Cranbury Brook)	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
17	02040206060030-01	Cedar Brook / Carlisle Run	Insufficient Data	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
13	02040301090030-01	Cedar Creek (74-16-38 to Chamberlain Br)	Insufficient Data	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
17	02040206100040-01	Cedar Creek (above Rt 553)	Not Supporting	N/A	Insufficient Data	Not Supporting	N/A	Not Supporting
13	02040301090060-01	Cedar Creek (below GS Parkway)	Fully Supporting	N/A	Fully Supporting	Fully Supporting	Not Supporting	Insufficient Data
17	02040206100050-01	Cedar Creek (below Rt 553)	Not Supporting	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting
13	02040301090050-01	Cedar Creek (GS Parkway to 74d16m38s)	Fully Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Not Supporting
13	02040301130040-01	Cedar Run	Not Supporting	N/A	Insufficient Data	Not Supporting	Not Supporting	Insufficient Data
15	02040302070090-01	Cedar Swamp Ck (below Rt 50)	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Insufficient Data
15	02040302070080-01	Cedar Swamp Ck/Cedar Swamp (above Rt 50)	Insufficient Data	N/A	Insufficient Data	Fully Supporting	Not Supporting	Insufficient Data
13	02040301090020-01	Chamberlain Branch	Insufficient Data	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
08	02030105070020-01	Chambers Brook	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
17	02040206160020-01	Chatfield Branch (Mill Creek)	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
12	02030104060010-01	Cheesequake Creek / Whale Creek	Not Supporting	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting

WMA	Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Aquatic Life - Trout	Recreation	Water Supply	Shellfish	Fish Consumption
18	02040202130030-01	Chestnut Branch (above Sewell)	Not Supporting	N/A	Fully Supporting	Insufficient Data	N/A	Not Supporting
12	02030104060040-01	Chingarora Creek to Thorns Creek	Not Supporting	N/A	Not Supporting	Insufficient Data	Not Supporting	Not Supporting
14	02040301160090-01	Clark Branch (above/incl Price Branch)	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
14	02040301200090-01	Clarks Mill Stream	Fully Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
03	02030103050040-01	Clinton Reservior/Mossmans Brook	Fully Supporting	Not Supporting	Fully Supporting	Not Supporting	N/A	Not Supporting
01	02040104090020-01	Clove Brook (Delaware R)	Not Supporting	Not Supporting	Insufficient Data	Fully Supporting	N/A	Not Supporting
02	02020007020060-01	Clove Brook (Papakating Ck)	Not Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
17	02040206090060-01	Cohansey R (75d15m to/incl Rocaps Run)	Not Supporting	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting
17	02040206090070-01	Cohansey R (75d17m50s to 75d15m)	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting
17	02040206080010-01	Cohansey R (above Beals Mill)	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
17	02040206090100-01	Cohansey R (below Greenwich)	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting
17	02040206090080-01	Cohansey R (Greenwich to 75d17m50s)	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting
17	02040206080040-01	Cohansey R (incl Beebe Run to HandsPond)	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
17	02040206080050-01	Cohansey R (incl CornwellRun - BeebeRun)	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Not Supporting
17	02040206080020-01	Cohansey R (incl HandsPond - Beals Mill)	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
17	02040206090030-01	Cohansey R (Rocaps Run to Cornwell Run)	Not Supporting	N/A	Insufficient Data	Fully Supporting	Not Supporting	Not Supporting
08	02030105050060-01	Cold Brook	Fully Supporting	Insufficient Data	Insufficient Data	Insufficient Data	N/A	Insufficient Data
05	02030103180010-01	Coles Brook / Van Saun Mill Brook	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
15	02040302040050-01	Collings Lakes trib (Hospitality Branch)	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Not Supporting
17	02040206060010-01	Cool Run	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
18	02040202110030-01	Cooper River (above Evesham Road)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
18	02040202110060-01	Cooper River (below Rt 130)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
18	02040202110050-01	Cooper River (Rt 130 to Wallworth gage)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
18	02040202110040-01	Cooper River (Wallworth gage to Evesham Rd)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
18	02040202110010-01	Cooper River NB (above Springdale Road)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
18	02040202110020-01	Cooper River NB (below Springdale Road)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
16	02040302080020-01	Corson Inlet & Sound / Ludlam Bay	Not Supporting	N/A	Fully Supporting	N/A	Fully Supporting	Insufficient Data
16	02040206230060-01	Cox Hall Creek / Mickels Run (to Villas)	Not Supporting	N/A	Insufficient Data	Not Supporting	Insufficient Data	Not Supporting
20	02040201090010-01	Crafts Creek (above Rt 206)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
20	02040201090020-01	Crafts Creek (below Rt 206)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
01	02040105150060-01	Cranberry Lake / Jefferson Lake & tribs	Not Supporting	Insufficient Data	Insufficient Data	Insufficient Data	N/A	Not Supporting

WMA	Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Aquatic Life - Trout	Recreation	Water Supply	Shellfish	Fish Consumption
10	02030105100070-01	Cranbury Brook (above NJ Turnpike)	Fully Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
10	02030105100090-01	Cranbury Brook (below NJ Turnpike)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
16	02040302080010-01	Crook Horn Creek (above Devils Island)	Not Supporting	N/A	Fully Supporting	N/A	Not Supporting	Insufficient Data
20	02040201070020-01	Crosswicks Ck (below Doctors Creek)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
20	02040201050070-01	Crosswicks Ck (Doctors Ck-Ellisdale trib)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
20	02040201050050-01	Crosswicks Ck (Ellisdale trib - Walnford)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
20	02040201050030-01	Crosswicks Ck (Lahaway Ck to New Egypt)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Not Supporting
20	02040201040070-01	Crosswicks Ck (NewEgypt to/incl NorthRun)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Not Supporting
20	02040201050040-01	Crosswicks Ck (Walnford to Lahaway Ck)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
10	02030105110090-01	Cruser Brook / Roaring Brook	Not Supporting	N/A	Not Supporting	Insufficient Data	N/A	Insufficient Data
03	02030103100060-01	Crystal Lake/Pond Brook	Not Supporting	Insufficient Data	Insufficient Data	Fully Supporting	N/A	Not Supporting
09	02030105120070-01	Cuckels Brook	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
01	02040105040010-01	Culvers Creek	Not Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
13	02040301080030-01	Davenport Branch (above Pinewald Road)	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Not Supporting
13	02040301080040-01	Davenport Branch (below Pinewald Road)	Fully Supporting	N/A	Not Supporting	Insufficient Data	N/A	Insufficient Data
06	02030103010080-01	Dead River (above Harrisons Brook)	Fully Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
06	02030103010100-01	Dead River (below Harrisons Brook)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
12	02030104090030-01	Deal Lake	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Not Supporting
09	02030105160010-01	Deep Run (above Monmouth Co line)	Not Supporting	N/A	Not Supporting	Insufficient Data	N/A	Insufficient Data
17	02040206060040-01	Deep Run (Alloway)	Insufficient Data	N/A	Insufficient Data	Not Supporting	N/A	Insufficient Data
09	02030105160040-01	Deep Run (below Rt 9)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
15	02040302040120-01	Deep Run (GEHR)	Not Supporting	N/A	Insufficient Data	Not Supporting	N/A	Insufficient Data
09	02030105160020-01	Deep Run (Rt 9 to Monmouth Co line)	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
04	02030103120060-01	Deepavaal Brook	Not Supporting	N/A	Not Supporting	Insufficient Data	N/A	Insufficient Data
11	02040105200070-01	Del R -Lambertville to Bulls Island	Insufficient Data	Insufficient Data	Insufficient Data	Insufficient Data	N/A	Insufficient Data
01	02040105060020-01	Delawanna Creek (incl UDRV)	Not Supporting	Not Supporting	Insufficient Data	Not Supporting	N/A	Not Supporting
17	Delaware River 6	Delaware Bay Zone 6 (New Jersey portion)	Not Supporting	N/A	Fully Supporting	N/A	Not Supporting	Not Supporting
01	Delaware River 2	Delaware River 1C	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Not Supporting
01	Delaware River 8	Delaware River 1D	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Not Supporting
11	Delaware River 14	Delaware River 1E	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Not Supporting
20	Delaware River 15	Delaware River 2	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting

WMA	Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Aquatic Life - Trout	Recreation	Water Supply	Shellfish	Fish Consumption
18	Delaware River 16	Delaware River 3	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Not Supporting
18	Delaware River 17	Delaware River 4	Not Supporting	N/A	Insufficient Data	N/A	N/A	Not Supporting
17	Delaware River 18	Delaware River 5	Not Supporting	N/A	Fully Supporting	N/A	N/A	Not Supporting
06	02030103030120-01	Den Brook	Not Supporting	Insufficient Data	Insufficient Data	Not Supporting	N/A	Insufficient Data
16	02040206220010-01	Dennis Ck / Cedar Swamp (Rt 47 to Rt 550)	Not Supporting	N/A	Insufficient Data	Insufficient Data	Insufficient Data	Not Supporting
16	02040206220040-01	Dennis Creek (below Jakes Landing Rd)	Not Supporting	N/A	Fully Supporting	Fully Supporting	Insufficient Data	Not Supporting
16	02040206220030-01	Dennis Creek (Jakes Landing Rd to Rt 47)	Fully Supporting	N/A	Fully Supporting	Not Supporting	Insufficient Data	Not Supporting
10	02030105100110-01	Devils Brook	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
16	02040206230030-01	Dias Creek	Not Supporting	N/A	Insufficient Data	Not Supporting	Insufficient Data	Not Supporting
13	02040301130070-01	Dinner Point Creek & tribs	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Insufficient Data
17	02040206110050-01	Dividing Creek (above Mill Creek)	Not Supporting	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting
17	02040206110060-01	Dividing Creek (below Mill Creek)	Not Supporting	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting
20	02040201060010-01	Doctors Creek (above 74d28m40s)	Insufficient Data	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
20	02040201060020-01	Doctors Creek (Allentown to 74d28m40s)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
20	02040201060030-01	Doctors Creek (below Allentown)	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
13	02040301060050-01	Dove Mill Branch (Toms River)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
08	02030105010010-01	Drakes Brook (above Eyland Ave)	Fully Supporting	Not Supporting	Insufficient Data	Insufficient Data	N/A	Insufficient Data
08	02030105010020-01	Drakes Brook (below Eyland Ave)	Fully Supporting	Insufficient Data	Insufficient Data	Fully Supporting	N/A	Insufficient Data
01	02040105040020-01	Dry Brook	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
20	02040201030010-01	Duck Creek and UDRV to Assunpink Ck	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Not Supporting
10	02030105090080-01	Duck Pond Run	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
09	02030105160030-01	Duhernal Lake / Iresick Brook	Not Supporting	N/A	Insufficient Data	Not Supporting	N/A	Not Supporting
01	02040104240020-01	Dunnfield Creek (incl UDRV)	Fully Supporting	Fully Supporting	Fully Supporting	Not Supporting	N/A	Insufficient Data
05	02030103170050-01	Dwars Kill	Fully Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
16	02040206210060-01	East Creek	Insufficient Data	N/A	Insufficient Data	N/A	Insufficient Data	Not Supporting
18	02040202130050-01	Edwards Run	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
07	02030104020010-01	Elizabeth R (above I-78)	Insufficient Data	N/A	Not Supporting	Insufficient Data	N/A	Insufficient Data
07	02030104020030-01	Elizabeth R (below Elizabeth CORP BDY)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Not Supporting
07	02030104020020-01	Elizabeth R (Elizabeth CORP BDY to I-78)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
20	02040201050060-01	Ellisdale trib (Crosswicks Creek)	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Not Supporting
15	02040302050090-01	English Ck / Flat Ck / Cranberry Ck	Not Supporting	N/A	Insufficient Data	Insufficient Data	Not Supporting	Insufficient Data

WMA	Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Aquatic Life - Trout	Recreation	Water Supply	Shellfish	Fish Consumption
13	02040301090040-01	Factory Br / Newbolds Br / Daniels Br	Fully Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
17	02040206040020-01	Fenwick Creek / Keasbeys Creek	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Not Supporting
11	02040105210050-01	Fiddlers Creek (Jacobs Ck to Moore Ck)	Insufficient Data	Insufficient Data	Not Supporting	Insufficient Data	N/A	Insufficient Data
08	02030105030010-01	First Neshanic River	Not Supporting	Insufficient Data	Insufficient Data	Insufficient Data	N/A	Insufficient Data
17	02040206070010-01	Fishing Creek / Bucks Ditch / Pattys Fork	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting
16	02040206230050-01	Fishing Creek / Fishing Mill Stream	Not Supporting	N/A	Fully Supporting	Not Supporting	Insufficient Data	Not Supporting
01	02040104150020-01	Flat Brook (below Tillman Brook)	Fully Supporting	Fully Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
01	02040104150010-01	Flat Brook (Tillman Brook to Confluence)	Fully Supporting	Fully Supporting	Not Supporting	Insufficient Data	N/A	Insufficient Data
01	02040104140020-01	Forked Brook / Parker Brook	Insufficient Data	Insufficient Data	Fully Supporting	Insufficient Data	N/A	Insufficient Data
13	02040301110030-01	Forked River (below NB incl Mid/South Br)	Fully Supporting	N/A	Not Supporting	Fully Supporting	Not Supporting	Insufficient Data
13	02040301110010-01	Forked River NB (above old RR grade)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
13	02040301110020-01	Forked River NB (below old RR grade)	Fully Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
17	02040206110020-01	Fortesque Ck / Fishing Ck / Straight Ck	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting
15	02040302030030-01	Four Mile Branch (GEHR)	Fully Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
13	02040301130010-01	Four Mile Branch (Mill Creek)	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
02	02020007010030-01	Franklin Pond Creek	Insufficient Data	Not Supporting	Insufficient Data	Fully Supporting	N/A	Insufficient Data
19	02040202050040-01	Friendship Creek (above Burrs Mill Bk)	Fully Supporting	N/A	Fully Supporting	Insufficient Data	N/A	Insufficient Data
19	02040202050050-01	Friendship Creek (below/incl Burrs Mill Bk)	Fully Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
01	02040105090050-01	Furnace Brook	Not Supporting	Insufficient Data	Insufficient Data	Not Supporting	N/A	Not Supporting
17	02040206030050-01	Game Creek (above Rt 48)	Not Supporting	N/A	Not Supporting	Insufficient Data	N/A	Insufficient Data
17	02040206030070-01	Game Creek (below Rt 48)	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
19	02040202020010-01	Gaunts Brook / Hartshorne Mill Stream	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
15	02040302060040-01	GEH Bay/Lakes Bay/Skull Bay/Peck Bay	Not Supporting	N/A	Fully Supporting	N/A	Not Supporting	Insufficient Data
15	02040302040080-01	GEHR (39d32m50s to Hospitality Branch)	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
15	02040302030010-01	GEHR (above New Freedom Rd)	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
15	02040302030020-01	GEHR (AC Expressway to New Freedom Rd)	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Not Supporting
15	02040302030040-01	GEHR (Broad Lane road to AC Expressway)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
15	02040302050140-01	GEHR (GEH Bay to Gibson Ck)	Not Supporting	N/A	Insufficient Data	N/A	Not Supporting	Insufficient Data
15	02040302050130-01	GEHR (GEH Bay to Miry Run)	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Insufficient Data
15	02040302030080-01	GEHR (Hospitality Br to Piney Hollow Rd)	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
15	02040302040130-01	GEHR (Lake Lenape to Mare Run)	Not Supporting	N/A	Fully Supporting	Insufficient Data	N/A	Not Supporting

WMA	Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Aquatic Life - Trout	Recreation	Water Supply	Shellfish	Fish Consumption
15	02040302040110-01	GEHR (Mare Run to Rt 322)	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
15	02040302050060-01	GEHR (Miry Run to Lake Lenape)	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Insufficient Data
15	02040302030060-01	GEHR (Piney Hollow Rd to Broad Lane rd)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
15	02040302040090-01	GEHR (Rt 322 to 39d32m50s)	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
15	02040302050100-01	Gibson Creek / Jackson Creek	Fully Supporting	N/A	Fully Supporting	Fully Supporting	Not Supporting	Insufficient Data
04	02030103120050-01	Goffle Brook	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
15	02040302050050-01	Gravelly Run (above Gravelly Run road)	Fully Supporting	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
14	02040301210040-01	Great Bay	Insufficient Data	N/A	Insufficient Data	N/A	Fully Supporting	Insufficient Data
14	02040301210050-01	Great Bay tribs	Not Supporting	N/A	Insufficient Data	N/A	Fully Supporting	Insufficient Data
06	02030103010030-01	Great Brook (above Green Village Rd)	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
06	02030103010050-01	Great Brook (below Green Village Rd)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
09	02030105130010-01	Great Ditch / Pigeon Swamp	Insufficient Data	N/A	Not Supporting	Insufficient Data	N/A	Insufficient Data
14	02040301160120-01	Great Swamp Branch (above Rt 206)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
14	02040301160130-01	Great Swamp Branch (below Rt 206)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
09	02030105120010-01	Green Bk (above/incl Blue Brook)	Insufficient Data	Not Supporting	Not Supporting	Insufficient Data	N/A	Insufficient Data
09	02030105120130-01	Green Bk (below Bound Brook)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Not Supporting
09	02030105120040-01	Green Bk (Bound Bk to N Plainfield gage)	Not Supporting	N/A	Not Supporting	Insufficient Data	N/A	Insufficient Data
09	02030105120020-01	Green Bk (N Plainfield gage to Blue Bk)	Not Supporting	Insufficient Data	Not Supporting	Not Supporting	N/A	Insufficient Data
17	02040206140030-01	Green Branch / Endless Branch	Fully Supporting	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
16	02040206230040-01	Green Ck (Norburys Landng to Pierces Pt)	Not Supporting	N/A	Insufficient Data	Not Supporting	Insufficient Data	Not Supporting
06	02030103030050-01	Green Pond Brook (above Burnt Meadow Bk)	Insufficient Data	Insufficient Data	Insufficient Data	Fully Supporting	N/A	Insufficient Data
06	02030103030060-01	Green Pond Brook (below Burnt Meadow Bk)	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
19	02040202030090-01	Greenwood Br (below CountryLk & MM confl)	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Not Supporting
06	02030103020030-01	Greystone / Watnong Mtn tribs	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
14	02040301160160-01	Gun Branch	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
05	02030103170030-01	Hackensack R (above Old Tappan gage)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
05	02030103180090-01	Hackensack R (Amtrak bridge to Rt 3)	Not Supporting	N/A	Fully Supporting	N/A	N/A	Not Supporting
05	02030103180050-01	Hackensack R (Bellmans Ck to Ft Lee Rd)	Insufficient Data	N/A	Insufficient Data	N/A	N/A	Not Supporting
05	02030103180100-01	Hackensack R (below Amtrak bridge)	Not Supporting	N/A	Fully Supporting	N/A	N/A	Not Supporting
05	02030103180030-01	Hackensack R (Ft Lee Rd to Oradell gage)	Not Supporting	N/A	Not Supporting	N/A	N/A	Not Supporting
05	02030103170060-01	Hackensack R (Oradell to OldTappan gage)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting

WMA	Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Aquatic Life - Trout	Recreation	Water Supply	Shellfish	Fish Consumption
05	02030103180080-01	Hackensack R (Rt 3 to Bellmans Ck)	Insufficient Data	N/A	Fully Supporting	N/A	N/A	Not Supporting
11	02040105170020-01	Hakihokake Creek	Fully Supporting	Not Supporting	Not Supporting	Not Supporting	N/A	Insufficient Data
15	02040302070070-01	Halfway Creek	Insufficient Data	N/A	Insufficient Data	Insufficient Data	Not Supporting	Insufficient Data
14	02040301170010-01	Hammonton Creek (above 74d43m)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
14	02040301170030-01	Hammonton Creek (below Columbia Rd)	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
14	02040301170020-01	Hammonton Creek (Columbia Rd to 74d43m)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
17	02040206170010-01	Hankins Pond trib (Millville)	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Not Supporting
02	02020007010050-01	Hardistonville tribs	Not Supporting	Insufficient Data	Insufficient Data	Fully Supporting	N/A	Insufficient Data
11	02040105170030-01	Harihokake Creek (and to Hakihokake Ck)	Not Supporting	Fully Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
17	02040206060070-01	Harmony trib (Alloway Creek)	Fully Supporting	N/A	Insufficient Data	Insufficient Data	Not Supporting	Not Supporting
13	02040301070020-01	Harris Branch / Bordens Mill Branch	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
06	02030103010090-01	Harrisons Brook	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
19	02040202060030-01	Haynes Creek (below Lake Pine)	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
14	02040301160050-01	Hays Mill Creek (above Tremont Ave)	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
13	02040301020030-01	Haystack Brook	Fully Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
08	02030105030030-01	Headquarters trib (Third Neshanic River)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
10	02030105110010-01	Heathcote Brook	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
06	02030103030100-01	Hibernia Brook	Insufficient Data	Not Supporting	Insufficient Data	Fully Supporting	N/A	Insufficient Data
02	02020007040040-01	Highland Lake/Wawayanda Lake	Insufficient Data	Insufficient Data	Insufficient Data	Fully Supporting	N/A	Not Supporting
05	02030103180020-01	Hirshfeld Brook	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
04	02030103140010-01	Hohokus Bk (above Godwin Ave)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
04	02030103140030-01	Hohokus Bk (below Pennington Ave)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
04	02030103140020-01	Hohokus Bk (Pennington Ave to Godwin Ave)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
08	02030105040030-01	Holland Brook	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
11	02040105170010-01	Holland Twp (Hakihokake to Musconetcong)	Insufficient Data	Insufficient Data	Insufficient Data	Insufficient Data	N/A	Insufficient Data
01	02040105100020-01	Honey Run	Not Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
12	02030104070010-01	Hop Brook	Not Supporting	Not Supporting	Not Supporting	Not Supporting	N/A	Insufficient Data
17	02040206060100-01	Hope Creek / Artificial Island	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting
15	02040302040010-01	Hospitality Br (above Whitehouse Rd)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
15	02040302040070-01	Hospitality Br (below Piney Hollow Rd)	Not Supporting	N/A	Insufficient Data	Not Supporting	N/A	Insufficient Data
15	02040302040030-01	Hospitality Br (Piney HollowRd to Rt538)	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data

WMA	Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Aquatic Life - Trout	Recreation	Water Supply	Shellfish	Fish Consumption
15	02040302040020-01	Hospitality Br (Rt 538 to Whitehouse Rd)	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
05	02030101170030-01	Hudson River (lower)	Not Supporting	N/A	Fully Supporting	N/A	N/A	Not Supporting
05	02030101170010-01	Hudson River (upper)	Not Supporting	N/A	Fully Supporting	N/A	N/A	Not Supporting
17	02040206130030-01	Indian Branch (Scotland Run)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
14	02040301170090-01	Indian Cabin Creek	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
17	02040206090020-01	Indian Fields Branch / Jackson Run	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
14	02040301150030-01	Indian Mills Brook / Muskingum Brook	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
17	02040206150040-01	Indian Run (Muddy Run)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
09	02030105130040-01	Ireland Brook	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
01	02040105050030-01	Jacksonburg Creek	Fully Supporting	Insufficient Data	Fully Supporting	Fully Supporting	N/A	Insufficient Data
20	02040201100030-01	Jacksonville trib (above Barkers Brook)	Insufficient Data	N/A	Not Supporting	Insufficient Data	N/A	Insufficient Data
11	02040105210060-01	Jacobs Creek (above Woolsey Brook)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
11	02040105210070-01	Jacobs Creek (below/incl Woolsey Brook)	Fully Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
19	02040202050070-01	Jade Run	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
13	02040301080070-01	Jakes Branch (Lower Toms River)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
12	02030104090050-01	Jumping Brook (Monmouth Co)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
20	02040201040040-01	Jumping Brook (Ocean Co)	Not Supporting	N/A	Insufficient Data	Not Supporting	N/A	Not Supporting
13	02040301050010-01	Kettle Creek (above Lake Riviera outlet)	Not Supporting	N/A	Insufficient Data	Not Supporting	N/A	Insufficient Data
13	02040301050020-01	Kettle Creek (below Lake Riviera outlet)	Insufficient Data	N/A	Insufficient Data	Not Supporting	Not Supporting	Insufficient Data
19	02040202060010-01	Kettle Run (above Centennial Lake)	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
07	02030104010020-01	Kill Van Kull West	Not Supporting	N/A	Fully Supporting	N/A	N/A	Not Supporting
11	02040105170070-01	Kingwood Twp (Rt 519 to Warford Ck)	Fully Supporting	Insufficient Data	Fully Supporting	Insufficient Data	N/A	Insufficient Data
11	02040105170060-01	Kingwood Twp(Warford-Little Nishisakawk)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
01	02040105040040-01	Lafayette Swamp tribs	Not Supporting	Not Supporting	Insufficient Data	Insufficient Data	N/A	Insufficient Data
20	02040201050010-01	Lahaway Ck (above Prospertown)	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
20	02040201050020-01	Lahaway Ck (Allentwn/NE Road-Prospertown)	Not Supporting	N/A	Insufficient Data	Not Supporting	N/A	Insufficient Data
01	02040105150020-01	Lake Hopatcong	Not Supporting	Not Supporting	Insufficient Data	Fully Supporting	N/A	Not Supporting
01	02040105040030-01	Lake Kemah tribs	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
01	02040105070010-01	Lake Lenape trib	Insufficient Data	Not Supporting	Insufficient Data	Insufficient Data	N/A	Insufficient Data
19	02040202060020-01	Lake Pine / Centennial Lake & tribs	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
15	02040302050110-01	Lakes Creek (GEHR)	Not Supporting	N/A	Insufficient Data	N/A	Not Supporting	Insufficient Data

WMA	Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Aquatic Life - Trout	Recreation	Water Supply	Shellfish	Fish Consumption
08	02030105050010-01	Lamington R (above Rt 10)	Insufficient Data	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
08	02030105050030-01	Lamington R (Furnace Rd to Hillside Rd)	Fully Supporting	Insufficient Data	Not Supporting	Insufficient Data	N/A	Insufficient Data
08	02030105050070-01	Lamington R (HallsBrRd-HerzogBrk)	Not Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
08	02030105050130-01	Lamington R (Hertzog Brk to Pottersville gage)	Fully Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
08	02030105050020-01	Lamington R (Hillside Rd to Rt 10)	Not Supporting	Insufficient Data	Not Supporting	Fully Supporting	N/A	Insufficient Data
08	02030105050040-01	Lamington R (Pottersville gage-FurnaceRd)	Fully Supporting	Fully Supporting	Not Supporting	Not Supporting	N/A	Insufficient Data
14	02040301170100-01	Landing Creek (above Rt 563)	Not Supporting	N/A	Insufficient Data	Not Supporting	N/A	Insufficient Data
14	02040301170120-01	Landing Creek (below Indian Cabin Ck)	Fully Supporting	N/A	Insufficient Data	Fully Supporting	Not Supporting	Insufficient Data
14	02040301170110-01	Landing Creek (Indian Cabin Ck to Rt563)	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
09	02030105130020-01	Lawrence Bk (above Deans Pond dam)	Not Supporting	N/A	Insufficient Data	Not Supporting	N/A	Insufficient Data
09	02030105130070-01	Lawrence Bk (below Milltown/Herberts br)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Not Supporting
09	02030105130050-01	Lawrence Bk (Church Lane to Deans Pond)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
09	02030105130060-01	Lawrence Bk (Milltown to Church Lane)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
20	02040201090030-01	LDRV tribs (Assiscunk Ck to Blacks Ck)	Not Supporting	N/A	Fully Supporting	Insufficient Data	N/A	Not Supporting
20	02040201110010-01	LDRV tribs (Beverly to Assiscunk Ck)	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Not Supporting
20	02040201090040-01	LDRV tribs (Bustleton Creek area)	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Not Supporting
17	02040206020010-01	LDRV tribs (Lakeview Ave to Oldmans Ck)	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Not Supporting
17	02040206020020-01	LDRV tribs (Marsh Pt-Main St Pennsville)	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Not Supporting
18	02040202110070-01	LDRV tribs (Pennsauken Ck to 28th St)	Insufficient Data	N/A	Not Supporting	Insufficient Data	N/A	Insufficient Data
17	02040206160010-01	Lebanon Branch (Mill Creek)	Fully Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
13	02040301140040-01	LEH Bay tribs (Westecunk Ck-Tuckerton Ck)	Insufficient Data	N/A	Fully Supporting	N/A	Fully Supporting	Insufficient Data
13	02040301140050-01	LEH Bay tribs (Willis Creek to LE Inlet)	Insufficient Data	N/A	Insufficient Data	N/A	Fully Supporting	Insufficient Data
03	02030103110010-01	Lincoln Park tribs (Pompton River)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
14	02040301210030-01	Little Bay & tribs	Insufficient Data	N/A	Insufficient Data	N/A	Fully Supporting	Insufficient Data
19	02040202060070-01	Little Creek (above Bear Swamp River)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
19	02040202060090-01	Little Creek (below Bear Swamp River)	Fully Supporting	N/A	Not Supporting	Insufficient Data	N/A	Insufficient Data
17	02040206120010-01	Little Ease Run (above Academy Rd)	Not Supporting	N/A	Fully Supporting	Insufficient Data	N/A	Insufficient Data
17	02040206120020-01	Little Ease Run (below Academy Rd)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
01	02040104130010-01	Little Flat Brook (Beerskill and above)	Fully Supporting	Not Supporting	Fully Supporting	Fully Supporting	N/A	Not Supporting
01	02040104130030-01	Little Flat Brook (Confluence to Layton)	Fully Supporting	Not Supporting	Fully Supporting	Fully Supporting	N/A	Insufficient Data
01	02040104130020-01	Little Flat Brook (Layton to Beerskill)	Fully Supporting	Not Supporting	Fully Supporting	Fully Supporting	N/A	Insufficient Data

WMA	Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Aquatic Life - Trout	Recreation	Water Supply	Shellfish	Fish Consumption
11	02040105240050-01	Little Shabakunk Creek	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
12	02030104080010-01	Little Silver Creek / Town Neck Creek	Insufficient Data	N/A	Not Supporting	N/A	Not Supporting	Not Supporting
18	02040202120070-01	Little Timber Creek (Gloucester City)	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Not Supporting
06	02030103010040-01	Loantaka Brook	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
11	02040105200010-01	Lockatong Ck (above Rt 12)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
11	02040105200030-01	Lockatong Ck (below Milltown) incl UDRV	Not Supporting	Not Supporting	Fully Supporting	Not Supporting	N/A	Insufficient Data
11	02040105200020-01	Lockatong Ck (Milltown to Rt 12)	Not Supporting	Not Supporting	Not Supporting	Not Supporting	N/A	Insufficient Data
12	02030104080050-01	Long Branch direct Atlantic drainage	Insufficient Data	N/A	Insufficient Data	N/A	Insufficient Data	Insufficient Data
02	02020007040060-01	Long House Creek/Upper Greenwood Lake	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
13	02040301080080-01	Long Swamp Creek	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
01	02040105120010-01	Lopatcong Creek (above Rt 57)	Not Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
01	02040105120020-01	Lopatcong Creek (below Rt 57) incl UDRV	Not Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
13	BarnegatBay09	Lower Little Egg Harbor Bay	Not Supporting	N/A	Fully Supporting	N/A	Fully Supporting	Insufficient Data
19	02040202080060-01	LRDV trib- Delanco/Edgewater	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Not Supporting
01	02040105150040-01	Lubbers Run (above/incl Dallis Pond)	Fully Supporting	Not Supporting	Insufficient Data	Insufficient Data	N/A	Insufficient Data
01	02040105150050-01	Lubbers Run (below Dallis Pond)	Fully Supporting	Not Supporting	Insufficient Data	Not Supporting	N/A	Insufficient Data
17	02040206070020-01	Mad Horse Ck / Little Ck / Turners Fork	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting
18	02040202120120-01	Main Ditch / Little Mantua Creek	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Not Supporting
15	02040302040100-01	Makepeace Stream (above Makepeace Lake)	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
06	02030103020060-01	Malapardis Brook	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
13	BarnegatBay08	Manahawkan Bay and Upper Little Egg Harbor	Not Supporting	N/A	Fully Supporting	N/A	Fully Supporting	Insufficient Data
09	02030105140010-01	Manalapan Brook (above 40d 16m 15s)	Fully Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
09	02030105140030-01	Manalapan Brook (below Lake Manalapan)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
09	02030105140020-01	Manalapan Brook (incl LkManlpn to 40d16m15s)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Not Supporting
13	02040301070080-01	Manapaqua Brook	Fully Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
12	02030104100080-01	Manasquan R (74d07m30s to Squankum gage)	Not Supporting	Not Supporting	Not Supporting	Not Supporting	N/A	Insufficient Data
12	02030104100010-01	Manasquan R (above 74d17m50s road)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
12	02030104100100-01	Manasquan R (below Rt 70 bridge)	Not Supporting	N/A	Not Supporting	N/A	Not Supporting	Insufficient Data
12	02030104100050-01	Manasquan R (gage to West Farms Rd)	Not Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Not Supporting
12	02030104100090-01	Manasquan R (Rt 70 br to 74d07m30s)	Insufficient Data	Insufficient Data	Not Supporting	Insufficient Data	Not Supporting	Insufficient Data
12	02030104100020-01	Manasquan R (Rt 9 to 74d17m50s road)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data

WMA	Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Aquatic Life - Trout	Recreation	Water Supply	Shellfish	Fish Consumption
12	02030104100030-01	Manasquan R (West Farms Rd to Rt 9)	Not Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
17	02040206040010-01	Mannington Creek	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
18	02040202130010-01	Mantua Creek (above Rt 47)	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
18	02040202130060-01	Mantua Creek (below Edwards Run)	Insufficient Data	N/A	Insufficient Data	Fully Supporting	N/A	Not Supporting
18	02040202130040-01	Mantua Creek (Edwards Run to rd to Sewell)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Not Supporting
18	02040202130020-01	Mantua Creek (road to Sewell to Rt 47)	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
17	02040206190010-01	Manumuskin River (above/incl BigNealBr)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
17	02040206190030-01	Manumuskin River (below Rt 49)	Fully Supporting	N/A	Fully Supporting	Not Supporting	Not Supporting	Not Supporting
17	02040206190020-01	Manumuskin River (Rt 49 to Big Neal Br)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
13	02040301060040-01	Maple Root Branch (Toms River)	Fully Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
15	02040302060020-01	Maple Run / Mill Br (Zion Rd to Cardiff rd)	Fully Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
12	02030104100040-01	Marsh Bog Brook	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
01	02040104090010-01	Mashipacong Island UDRV tribs	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
03	02030103100020-01	Masonicus Brook	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
12	02030104060020-01	Matawan Creek (above Ravine Drive)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Not Supporting
12	02030104060030-01	Matawan Creek (below Ravine Drive)	Not Supporting	N/A	Not Supporting	Not Supporting	Not Supporting	Not Supporting
09	02030105150040-01	Matchaponix Brook (above/incl Pine Bk)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
09	02030105150060-01	Matchaponix Brook (below Pine Brook)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
14	02040301200110-01	Mattix Run (Nacote Creek)	Not Supporting	N/A	Insufficient Data	Not Supporting	Not Supporting	Insufficient Data
17	02040206200050-01	Maurice River (below Leesburg) to EastPt	Not Supporting	N/A	Not Supporting	N/A	Not Supporting	Not Supporting
17	02040206140010-01	Maurice River (BlkwtrBr to/incl WillowGroveLk)	Insufficient Data	N/A	Fully Supporting	Not Supporting	N/A	Not Supporting
17	02040206200040-01	Maurice River (Leesburg to Rt 548)	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting
17	02040206170030-01	Maurice River (Menantico Ck to UnionLake)	Insufficient Data	N/A	Not Supporting	N/A	Not Supporting	Not Supporting
17	02040206200030-01	Maurice River (Rt 548 to Menantico Ck)	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting
17	02040206140060-01	Maurice River (Sherman Ave to Blackwater Br)	Fully Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
17	02040206160030-01	Maurice River (Union Lake to Sherman Ave)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
19	02040202030070-01	McDonalds Branch	Fully Supporting	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
09	02030105150020-01	McGellairds Brook (above Taylors Mills)	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
09	02030105150030-01	McGellairds Brook (below Taylors Mills)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
15	02040302070030-01	McNeals Branch (Tuckahoe River)	Fully Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
03	02030103070060-01	Meadow Brook / High Mountain Brook	Not Supporting	Not Supporting	Insufficient Data	Fully Supporting	N/A	Insufficient Data

WMA	Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Aquatic Life - Trout	Recreation	Water Supply	Shellfish	Fish Consumption
17	02040206180030-01	Menantico Creek (above Rt 552)	Fully Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Not Supporting
17	02040206180050-01	Menantico Creek (below Rt 552)	Not Supporting	N/A	Not Supporting	Not Supporting	Not Supporting	Not Supporting
11	02040105210080-01	Mercer (Calhoun St to Jacobs Creek)	Not Supporting	N/A	Fully Supporting	Insufficient Data	N/A	Insufficient Data
01	02040105140040-01	Merrill Creek	Not Supporting	Not Supporting	Not Supporting	Insufficient Data	N/A	Not Supporting
13	BarnegatBay03	Metedeconk and Lower Tribs - Bay	Not Supporting	N/A	Fully Supporting	N/A	Not Supporting	Insufficient Data
13	02040301040020-01	Metedeconk R (Beaverdam Ck to confl)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
13	BarnegatBay02	Metedeconk R Estuary	Insufficient Data	N/A	Not Supporting	N/A	Not Supporting	Insufficient Data
13	02040301020010-01	Metedeconk R NB (above I-195)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
13	02040301020050-01	Metedeconk R NB (confluence to Rt 9)	Not Supporting	Not Supporting	Not Supporting	Not Supporting	N/A	Insufficient Data
13	02040301020020-01	Metedeconk R NB (Rt 9 to I-195)	Not Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
13	02040301030020-01	Metedeconk R SB (74d19m15s to I-195 X21)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
13	02040301030010-01	Metedeconk R SB (above I-195 exit 21 rd)	Fully Supporting	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
13	02040301030030-01	Metedeconk R SB (BennettsPd to 74d19m15s)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Not Supporting
13	02040301030050-01	Metedeconk R SB (confluence to Rt 9)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
13	02040301030040-01	Metedeconk R SB (Rt 9 to Bennetts Pond)	Insufficient Data	Insufficient Data	Not Supporting	Not Supporting	N/A	Not Supporting
13	02040301050030-01	Metedekunk Neck tribs (below Heron Is)	Insufficient Data	N/A	Insufficient Data	N/A	Insufficient Data	Insufficient Data
13	02040301080020-01	Michaels Branch (Wrangel Brook)	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
17	02040206200010-01	Middle Branch / Slab Branch	Not Supporting	N/A	Insufficient Data	Not Supporting	N/A	Insufficient Data
09	02030105120180-01	Middle Brook	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Not Supporting
08	02030105060080-01	Middle Brook (NB Raritan River)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
09	02030105120050-01	Middle Brook EB	Not Supporting	Not Supporting	Fully Supporting	Not Supporting	N/A	Insufficient Data
09	02030105120060-01	Middle Brook WB	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
17	02040206100010-01	Middle Marsh Ck (DrumboCk to Sea Breeze)	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting
15	02040302050120-01	Middle River / Peters Creek	Not Supporting	N/A	Insufficient Data	Insufficient Data	Not Supporting	Not Supporting
09	02030105120150-01	Mile Run	Not Supporting	N/A	Not Supporting	Insufficient Data	N/A	Insufficient Data
15	02040302060010-01	Mill Br (above Cardiff-Bargaintown rd)	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
13	02040301140010-01	Mill Branch (above GS Parkway)	Fully Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
13	02040301140020-01	Mill Branch (below GS Parkway)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Not Supporting
06	02030103030080-01	Mill Brook (Morris Co)	Fully Supporting	Fully Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
09	02030105160080-01	Mill Brook / Martins Creek	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Not Supporting
13	02040301130020-01	Mill Ck (above GS Parkway)	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data

WMA	Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Aquatic Life - Trout	Recreation	Water Supply	Shellfish	Fish Consumption
13	02040301130030-01	Mill Ck (below GS Parkway)/Manahawkin Ck	Not Supporting	N/A	Not Supporting	Fully Supporting	Insufficient Data	Not Supporting
17	02040206090040-01	Mill Creek (above/incl Maple House Bk)	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
17	02040206090050-01	Mill Creek (below Maple House Bk)	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting
17	02040206110040-01	Mill Creek (Dividing Creek)	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting
17	02040206160040-01	Mill Creek (lower)	Fully Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Not Supporting
19	02040202080030-01	Mill Creek (Willingboro)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
15	02040302070060-01	Mill Creek / Back Run (Tuckahoe River)	Not Supporting	N/A	Insufficient Data	Insufficient Data	Not Supporting	Insufficient Data
16	02040302080080-01	Mill Creek / Jones Creek / Taylor Creek	Insufficient Data	N/A	Insufficient Data	Insufficient Data	Not Supporting	Insufficient Data
16	02040302080030-01	Mill Creek / Sunks Ck / Big Elder Creek	Insufficient Data	N/A	Insufficient Data	Fully Supporting	Not Supporting	Insufficient Data
10	02030105100010-01	Millstone R (above Rt 33)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
10	02030105110140-01	Millstone R (AmwellRd to BlackwellsMills)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Not Supporting
10	02030105100020-01	Millstone R (Applegarth road to Rt 33)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
10	02030105110030-01	Millstone R (Beden Bk to Heathcote Bk)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
10	02030105110170-01	Millstone R (below Amwell Rd)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Not Supporting
10	02030105110110-01	Millstone R (BlackwellsMills to BedenBk)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Not Supporting
10	02030105100060-01	Millstone R (Cranbury Bk to Rocky Bk)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
10	02030105110020-01	Millstone R (HeathcoteBk to Harrison St)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Not Supporting
10	02030105100030-01	Millstone R (RockyBk to Applegarth road)	Not Supporting	N/A	Not Supporting	Insufficient Data	N/A	Insufficient Data
10	02030105100140-01	Millstone R (Rt 1 to Cranbury Bk)	Not Supporting	N/A	Insufficient Data	Not Supporting	N/A	Insufficient Data
12	02030104070050-01	Mine Brook (Monmouth Co)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
01	02040105150090-01	Mine Brook (Morris Co)	Fully Supporting	Fully Supporting	Insufficient Data	Fully Supporting	N/A	Insufficient Data
12	02030104100060-01	Mingamahone Brook (above Asbury Rd)	Not Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
12	02030104100070-01	Mingamahone Brook (below Asbury Rd)	Not Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
11	02040105240030-01	Miry Run (Assunpink Cr)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
15	02040302050070-01	Miry Run (GEHR)	Fully Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
04	02030103120040-01	Molly Ann Brook	Not Supporting	N/A	Insufficient Data	Not Supporting	N/A	Insufficient Data
16	02040302080060-01	Mommy Teal Ck / Cresse Ck / Gravelly Run	Not Supporting	N/A	Insufficient Data	N/A	Not Supporting	Insufficient Data
06	02030103030160-01	Montville Tribs	Not Supporting	Insufficient Data	Fully Supporting	Fully Supporting	N/A	Insufficient Data
11	02040105210040-01	Moore Creek	Fully Supporting	Not Supporting	Insufficient Data	Insufficient Data	N/A	Insufficient Data
07	02030104030010-01	Morses Creek / Piles Creek	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Not Supporting
14	02040301200100-01	Morses Mill Stream	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data

WMA	Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Aquatic Life - Trout	Recreation	Water Supply	Shellfish	Fish Consumption
18	02040202140040-01	Moss Branch / Little Timber Ck (Repaupo)	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Not Supporting
14	02040301210020-01	Mott Creek (Oysterbed Pt to Oyster Ck)	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Insufficient Data
19	02040202030030-01	Mount Misery Bk MB/NB (below 74d27m30s)	Fully Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
19	02040202030020-01	Mount Misery Bk NB (above 74d27m30s dam)	Fully Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
19	02040202030040-01	Mount Misery Bk SB	Fully Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
01	02040105090040-01	Mountain Lake Brook	Not Supporting	Insufficient Data	Insufficient Data	Fully Supporting	N/A	Not Supporting
13	02040301020040-01	Muddy Ford Brook	Fully Supporting	Fully Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
17	02040206150010-01	Muddy Run (above/incl Elmer Lake)	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
17	02040206150070-01	Muddy Run (below Landis Ave)	Fully Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
17	02040206150020-01	Muddy Run (incl Palatine Lk to Elmer Lk)	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
17	02040206150050-01	Muddy Run (incl ParvinLk to Palatine Lk)	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Not Supporting
17	02040206150060-01	Muddy Run (Landis Ave to Parvin Lake)	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
08	02030105020030-01	Mulhockaway Creek	Fully Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
14	02040301170140-01	Mullica River (BatstoR to Nescochague Lake)	Insufficient Data	N/A	Fully Supporting	Insufficient Data	Not Supporting	Not Supporting
14	02040301160140-01	Mullica River (39d40m30s to Rt 206)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Not Supporting
14	02040301160020-01	Mullica River (above Jackson Road)	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Not Supporting
14	02040301170040-01	Mullica River (BatstoR to PleasantMills)	Insufficient Data	N/A	Fully Supporting	Insufficient Data	Not Supporting	Not Supporting
14	02040301210010-01	Mullica River (below GSP bridge)	Insufficient Data	N/A	Fully Supporting	N/A	Not Supporting	Not Supporting
14	02040301200080-01	Mullica River (GSP bridge to Turtle Ck)	Insufficient Data	N/A	Fully Supporting	N/A	Not Supporting	Not Supporting
14	02040301170080-01	Mullica River (Lower Bank Rd to Rt 563)	Insufficient Data	N/A	Fully Supporting	Insufficient Data	Not Supporting	Not Supporting
14	02040301160150-01	Mullica River (Pleasant Mills to 39d40m30s)	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Not Supporting
14	02040301160030-01	Mullica River (Rt 206 to Jackson Road)	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Not Supporting
14	02040301170060-01	Mullica River (Rt 563 to Batsto River)	Insufficient Data	N/A	Fully Supporting	Not Supporting	Not Supporting	Not Supporting
14	02040301170130-01	Mullica River (Turtle Ck to Lower BankRd)	Insufficient Data	N/A	Fully Supporting	Insufficient Data	Not Supporting	Not Supporting
01	02040105160040-01	Musconetcong R (75d 00m to Rt 31)	Fully Supporting	Fully Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
01	02040105160070-01	Musconetcong R (below Warren Glen)	Fully Supporting	Not Supporting	Not Supporting	Not Supporting	N/A	Insufficient Data
01	02040105160020-01	Musconetcong R (Changewater to HancesBk)	Not Supporting	Not Supporting	Not Supporting	Not Supporting	N/A	Insufficient Data
01	02040105160010-01	Musconetcong R (Hances Bk thru Trout Bk)	Not Supporting	Not Supporting	Not Supporting	Not Supporting	N/A	Insufficient Data
01	02040105160050-01	Musconetcong R (I-78 to 75d 00m)	Fully Supporting	Fully Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
01	02040105160030-01	Musconetcong R (Rt 31 to Changewater)	Fully Supporting	Fully Supporting	Fully Supporting	Insufficient Data	N/A	Insufficient Data
01	02040105150080-01	Musconetcong R (SaxtonFalls to Waterloo)	Insufficient Data	Insufficient Data	Not Supporting	Not Supporting	N/A	Insufficient Data

WMA	Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Aquatic Life - Trout	Recreation	Water Supply	Shellfish	Fish Consumption
01	02040105150100-01	Musconetcong R (Trout Bk to SaxtonFalls)	Not Supporting	Not Supporting	Not Supporting	Not Supporting	N/A	Insufficient Data
01	02040105160060-01	Musconetcong R (Warren Glen to I-78)	Fully Supporting	Fully Supporting	Not Supporting	Not Supporting	N/A	Insufficient Data
01	02040105150110-01	Musconetcong R (Waterloo area)	Insufficient Data	Insufficient Data	Not Supporting	Fully Supporting	N/A	Insufficient Data
01	02040105150070-01	Musconetcong R (Waterloo to/incl WillsBk)	Not Supporting	Not Supporting	Not Supporting	Insufficient Data	N/A	Insufficient Data
01	02040105150030-01	Musconetcong R (Wills Bk to LkHopatcong)	Not Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Not Supporting
17	02040206200020-01	Muskee Creek	Insufficient Data	N/A	Insufficient Data	Not Supporting	Not Supporting	Not Supporting
14	02040301200120-01	Nacote Creek (below/incl Mill Pond)	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Insufficient Data
17	02040206100060-01	Nantuxent Creek (above Newport Landing)	Insufficient Data	N/A	Fully Supporting	Fully Supporting	Not Supporting	Not Supporting
17	02040206100070-01	Nantuxent Creek (below Newport Landing)	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting
12	02030104070110-01	Navesink R (below Rt 35)/LowerShrewsbury	Not Supporting	N/A	Not Supporting	Insufficient Data	Not Supporting	Not Supporting
12	02030104070120-01	Navesink R mouth	Not Supporting	N/A	Fully Supporting	N/A	Not Supporting	Not Supporting
18	02040202140010-01	Nehonsey Bk / Clonmell Ck (LDRV to MantuaCk)	Insufficient Data	N/A	Fully Supporting	Insufficient Data	N/A	Insufficient Data
14	02040301170070-01	Nergo Creek	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
08	02030105030070-01	Neshanic River (below Black Brk)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
08	02030105030060-01	Neshanic River (below FNR / SNR confl)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
17	02040206110070-01	New England Creek (Kenny Pt to Elder Pt)	Insufficient Data	N/A	Insufficient Data	N/A	Insufficient Data	Not Supporting
11	02040105230030-01	New Sharon Branch (Assunpink Creek)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Not Supporting
01	02040105070020-01	New Wawayanda Lake/Andover Pond trib	Not Supporting	Insufficient Data	Insufficient Data	Fully Supporting	N/A	Not Supporting
07	02030104010010-01	Newark Airport Peripheral Ditch	Not Supporting	N/A	Insufficient Data	N/A	N/A	Not Supporting
17	02040206110010-01	Newport Neck (Nantuxent to Beadons Ck)	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting
18	02040202120090-01	Newton Creek (LDRV-Kaighn Ave to LT Ck)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
17	02040206030020-01	Nichomus Run	Fully Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
11	02040105170040-01	Nishisakawick Creek (above 40d 33m)	Fully Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
11	02040105170050-01	Nishisakawick Creek (below 40d 33m)	Fully Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
07	02030104050050-01	Nomahegan Brook	Insufficient Data	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
20	02040201040060-01	North Run (above Wrightstown bypass)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
12	02030104070090-01	Nut Swamp Brook	Not Supporting	N/A	Not Supporting	Insufficient Data	N/A	Not Supporting
09	02030105130030-01	Oakeys Brook	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
13	02040301070060-01	Old Hurricane Brook (above 74d22m30s)	Not Supporting	N/A	Not Supporting	Insufficient Data	N/A	Insufficient Data
13	02040301070070-01	Old Hurricane Brook (below 74d22m30s)	Insufficient Data	N/A	Fully Supporting	Insufficient Data	N/A	Insufficient Data
18	02040202160010-01	Oldmans Creek (above Commissioners Rd)	Fully Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data

WMA	Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Aquatic Life - Trout	Recreation	Water Supply	Shellfish	Fish Consumption
18	02040202160060-01	Oldmans Creek (below Center Sq Rd)	Insufficient Data	N/A	Insufficient Data	Fully Supporting	N/A	Not Supporting
18	02040202160050-01	Oldmans Creek (Center Sq Rd to KingsHwy)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Not Supporting
18	02040202160030-01	Oldmans Creek (Kings Hwy to Rt 45)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
18	02040202160020-01	Oldmans Creek (Rt45 to Commissioners Rd)	Insufficient Data	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
19	02040202020020-01	Ong Run / Jacks Run	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
17	02040206110030-01	Oranoaken Creek	Not Supporting	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting
14	02040301180020-01	Oswego River (above Rt 539)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
14	02040301180060-01	Oswego River (Andrews Rd to Sim Place Resv)	Fully Supporting	N/A	Fully Supporting	Insufficient Data	N/A	Not Supporting
14	02040301180070-01	Oswego River (below Andrews Road)	Insufficient Data	N/A	Fully Supporting	Fully Supporting	N/A	Not Supporting
14	02040301180040-01	Oswego River (Sim Place Resv to Rt 539)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
05	02030103180040-01	Overpeck Creek	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Not Supporting
13	02040301110040-01	Oyster Creek (above Rt 532)	Fully Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
13	02040301110050-01	Oyster Creek (below Rt 532)	Fully Supporting	N/A	Not Supporting	Fully Supporting	Not Supporting	Insufficient Data
03	02030103050020-01	Pacock Brook	Insufficient Data	Insufficient Data	Insufficient Data	Insufficient Data	N/A	Not Supporting
17	02040206150030-01	Palatine Branch (Muddy Run)	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
17	02040206180010-01	Panther Branch (Menantico Creek)	Fully Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
02	02020007020010-01	Papakating Ck (above Frankford Plains)	Fully Supporting	Fully Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
02	02020007020070-01	Papakating Ck (below Pellettown)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
02	02020007020030-01	Papakating Ck (Pellettown-Frankford Plns)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
02	02020007020040-01	Papakating Ck WB(abv 74d39m30s side rd)	Fully Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
02	02020007020050-01	Papakating Ck WB(blw 74d39m30s side rd)	Fully Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
14	02040301180050-01	Papoose Branch (Oswego River)	Fully Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
18	02040202140030-01	Pargay Creek	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
19	02040202080010-01	Parkers Creek (above Marne Highway)	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
12	02030104080020-01	Parkers Creek / Oceanport Creek	Not Supporting	N/A	Not Supporting	Fully Supporting	Not Supporting	Not Supporting
17	02040206080030-01	Parsonage Run / Foster Run	Not Supporting	N/A	Insufficient Data	Not Supporting	N/A	Insufficient Data
17	02040206140070-01	Parvin Branch / Tarkiln Branch	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
05	02030103170010-01	Pascack Brook (above Westwood gage)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
05	02030103170020-01	Pascack Brook (below Westwood gage)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
04	02030103150040-01	Passaic R Lwr (4th St br to Second R)	Not Supporting	N/A	Fully Supporting	N/A	N/A	Not Supporting
04	02030103120080-01	Passaic R Lwr (Dundee Dam to F.L. Ave)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting

WMA	Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Aquatic Life - Trout	Recreation	Water Supply	Shellfish	Fish Consumption
04	02030103120070-01	Passaic R Lwr (Fair Lawn Ave to Goffle)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
04	02030103120110-01	Passaic R Lwr (Goeffle Bk to Pump stn)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
04	02030103120100-01	Passaic R Lwr (Goffle Bk to Pompton R)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
04	02030103150050-01	Passaic R Lwr (Nwk Bay to 4th St brdg)	Not Supporting	N/A	Fully Supporting	N/A	N/A	Not Supporting
04	02030103120090-01	Passaic R Lwr (Saddle R to Dundee Dam)	Not Supporting	N/A	Insufficient Data	Not Supporting	N/A	Not Supporting
04	02030103150030-01	Passaic R Lwr (Second R to Saddle R)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Not Supporting
06	02030103010130-01	Passaic R Upr (40d 45m to Snyder Ave)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
06	02030103010010-01	Passaic R Upr (above Osborn Mills)	Not Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
06	02030103010150-01	Passaic R Upr (Columbia Rd to 40d 45m)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
06	02030103010070-01	Passaic R Upr (Dead R to Osborn Mills)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
06	02030103010160-01	Passaic R Upr (HanoverRR to ColumbiaRd)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
06	02030103010180-01	Passaic R Upr (Pine Bk br to Rockaway)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
06	02030103010110-01	Passaic R Upr (Plainfield Rd to Dead R)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
06	02030103040010-01	Passaic R Upr (Pompton R to Pine Bk)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
06	02030103010170-01	Passaic R Upr (Rockaway to Hanover RR)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
06	02030103010120-01	Passaic R Upr (Snyder to Plainfield Rd)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
15	02040302060030-01	Patcong Creek (Somers Ave to Zion Rd)	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Insufficient Data
01	02040105040060-01	Paulins Kill (above Rt 15)	Not Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
01	02040105050050-01	Paulins Kill (below Blairstown gage)	Not Supporting	Not Supporting	Fully Supporting	Fully Supporting	N/A	Not Supporting
01	02040105050010-01	Paulins Kill (Blairstown to Stillwater)	Fully Supporting	Not Supporting	Fully Supporting	Fully Supporting	N/A	Not Supporting
01	02040105040070-01	Paulins Kill (Dry Brook to Rt 15)	Insufficient Data	N/A	Not Supporting	Insufficient Data	N/A	Insufficient Data
01	02040105040080-01	Paulins Kill (PK Lk outlet to Dry Brook)	Fully Supporting	Insufficient Data	Not Supporting	Not Supporting	N/A	Insufficient Data
01	02040105040090-01	Paulins Kill (Stillwater Vil to PK Lake)	Not Supporting	Not Supporting	Not Supporting	Insufficient Data	N/A	Insufficient Data
08	02030105060050-01	Peapack Brook (above/incl Gladstone Bk)	Not Supporting	Not Supporting	Insufficient Data	Insufficient Data	N/A	Insufficient Data
08	02030105060060-01	Peapack Brook (below Gladstone Brook)	Not Supporting	Not Supporting	Insufficient Data	Insufficient Data	N/A	Insufficient Data
04	02030103120010-01	Peckman River (above CG Res trib)	Not Supporting	N/A	Not Supporting	Insufficient Data	N/A	Insufficient Data
04	02030103120020-01	Peckman River (below CG Res trib)	Not Supporting	N/A	Not Supporting	Insufficient Data	N/A	Not Supporting
19	02040202040020-01	Pemberton / Ft Dix trib (NB Rancocas Ck)	Not Supporting	N/A	Not Supporting	Insufficient Data	N/A	Insufficient Data
14	02040301150070-01	Penn Swamp Branch	Fully Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
18	02040202100060-01	Pennsauken Ck (below NB / SB)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
18	02040202100010-01	Pennsauken Ck NB (above NJTPK)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data

WMA	Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Aquatic Life - Trout	Recreation	Water Supply	Shellfish	Fish Consumption
18	02040202100030-01	Pennsauken Ck NB (below Strawbridge Lk)	Insufficient Data	N/A	Insufficient Data	Not Supporting	N/A	Insufficient Data
18	02040202100020-01	Pennsauken Ck NB (incl StrwbrdgLk-NJTPK)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
18	02040202100040-01	Pennsauken Ck SB (above Rt 41)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
18	02040202100050-01	Pennsauken Ck SB (below Rt 41)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
15	02040302030070-01	Penny Pot Stream (GEHR)	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
03	02030103050030-01	Pequannock R (above OakRidge Res outlet)	Fully Supporting	Not Supporting	Not Supporting	Not Supporting	N/A	Not Supporting
03	02030103050010-01	Pequannock R (above Stockholm/Vernon Rd)	Fully Supporting	Not Supporting	Insufficient Data	Insufficient Data	N/A	Insufficient Data
03	02030103050080-01	Pequannock R (below Macopin gage)	Fully Supporting	Not Supporting	Fully Supporting	Fully Supporting	N/A	Not Supporting
03	02030103050050-01	Pequannock R (Charlotteburg to OakRidge)	Not Supporting	Not Supporting	Insufficient Data	Not Supporting	N/A	Insufficient Data
03	02030103050060-01	Pequannock R (Macopin gage to Charl'brg)	Not Supporting	Not Supporting	Fully Supporting	Fully Supporting	N/A	Not Supporting
01	02040105070030-01	Pequest R (above Brighton)	Not Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
01	02040105070060-01	Pequest R (below Bear Swamp to Trout Bk)	Fully Supporting	Insufficient Data	Not Supporting	Fully Supporting	N/A	Insufficient Data
01	02040105090060-01	Pequest R (below Furnace Brook)	Not Supporting	Not Supporting	Not Supporting	Not Supporting	N/A	Insufficient Data
01	02040105090020-01	Pequest R (Cemetary Road to Drag Strip)	Fully Supporting	Insufficient Data	Not Supporting	Insufficient Data	N/A	Insufficient Data
01	02040105090010-01	Pequest R (Drag Strip--below Bear Swamp)	Not Supporting	N/A	Not Supporting	Insufficient Data	N/A	Insufficient Data
01	02040105090030-01	Pequest R (Furnace Bk to Cemetary Road)	Not Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
01	02040105070040-01	Pequest R (Trout Brook to Brighton)	Not Supporting	Fully Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
09	02030105080010-01	Peters Brook	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
12	02030104060060-01	Pews Creek to Shrewsbury River	Not Supporting	N/A	Not Supporting	Not Supporting	Not Supporting	Not Supporting
17	02040206070090-01	Phillips Creek / Jacobs Creek	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting
10	02030105110080-01	Pike Run (above Cruser Brook)	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
10	02030105110100-01	Pike Run (below Cruser Brook)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
12	02030104070080-01	Pine Brook / Hockhockson Brook	Not Supporting	Not Supporting	Not Supporting	Not Supporting	Not Supporting	Insufficient Data
17	02040206090090-01	Pine Mount Creek	Not Supporting	N/A	Insufficient Data	Insufficient Data	Not Supporting	Insufficient Data
14	02040301180030-01	Plains Branch (Oswego River)	Fully Supporting	N/A	Fully Supporting	Insufficient Data	N/A	Insufficient Data
08	02030105040020-01	Pleasant Run	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
11	02040105200050-01	Plum Creek	Not Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
02	02020007040030-01	Pochuck Ck/Glenwood Lk & northern trib	Insufficient Data	Insufficient Data	Not Supporting	Fully Supporting	N/A	Insufficient Data
01	02040105140010-01	Pohatcong Ck (above Rt 31)	Fully Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
01	02040105140070-01	Pohatcong Ck (below Springtown) incl UDRV	Not Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
01	02040105140020-01	Pohatcong Ck (Brass Castle Ck to Rt 31)	Not Supporting	Not Supporting	Not Supporting	Not Supporting	N/A	Insufficient Data

WMA	Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Aquatic Life - Trout	Recreation	Water Supply	Shellfish	Fish Consumption
01	02040105140030-01	Pohatcong Ck (Edison Rd-Brass Castle Ck)	Not Supporting	Not Supporting	Not Supporting	Not Supporting	N/A	Insufficient Data
01	02040105140050-01	Pohatcong Ck (Merrill Ck to Edison Rd)	Not Supporting	Not Supporting	Not Supporting	Not Supporting	N/A	Insufficient Data
01	02040105140060-01	Pohatcong Ck (Springtown to Merrill Ck)	Insufficient Data	Insufficient Data	Not Supporting	Not Supporting	N/A	Not Supporting
13	BarnegatBay01	Point Pleasant Canal and Bay Head Harbor	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Insufficient Data
19	02040202030010-01	Pole Bridge Br (above County line)	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
19	02040202030060-01	Pole Bridge Br (CountryLk dam - Co line)	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
18	02040202090020-01	Pompeston Creek (above Rt 130)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
18	02040202090030-01	Pompeston Creek (below Rt130/Swede to 40d)	Not Supporting	N/A	Not Supporting	Insufficient Data	N/A	Not Supporting
03	02030103110020-01	Pompton River	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
16	02040206230070-01	Pond Creek / Cape May Canal West	Not Supporting	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting
11	02040105240040-01	Pond Run	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
01	02040105110010-01	Pophandusing Brook	Fully Supporting	Insufficient Data	Insufficient Data	Insufficient Data	N/A	Insufficient Data
12	02030104090020-01	Poplar Brook	Not Supporting	N/A	Not Supporting	Fully Supporting	Insufficient Data	Insufficient Data
12	02030104070100-01	Poricy Bk/Swimming R(below SwimmingR Rd)	Not Supporting	N/A	Not Supporting	Insufficient Data	Not Supporting	Not Supporting
08	02030105050050-01	Pottersville trib (Lamington River)	Fully Supporting	Not Supporting	Not Supporting	Insufficient Data	N/A	Insufficient Data
04	02030103120030-01	Preakness Brook / Naachtpunkt Brook	Not Supporting	Insufficient Data	Not Supporting	Insufficient Data	N/A	Insufficient Data
08	02030105020090-01	Prescott Brook / Round Valley Reservior	Not Supporting	Not Supporting	Not Supporting	Not Supporting	N/A	Not Supporting
06	02030103010020-01	Primrose Brook	Not Supporting	Not Supporting	Fully Supporting	Not Supporting	N/A	Insufficient Data
14	02040301160070-01	Pump Branch (above 74d53m road)	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
14	02040301160080-01	Pump Branch (below 74d53m road)	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
02	02020007030020-01	Quarryville Brook	Insufficient Data	Not Supporting	Insufficient Data	Insufficient Data	N/A	Insufficient Data
18	02040202150010-01	Raccoon Ck (above Clems Run)	Insufficient Data	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
18	02040202150060-01	Raccoon Ck (below Swedesboro rd)/BirchCk	Insufficient Data	N/A	Fully Supporting	Insufficient Data	N/A	Not Supporting
18	02040202150020-01	Raccoon Ck (Rt 45 to/incl Clems Run)	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Not Supporting
18	02040202150040-01	Raccoon Ck (Russell Mill Rd to Rt 45)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Not Supporting
18	02040202150050-01	Raccoon Ck (Swedesboro rd-RussellMillRd)	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
18	02040202150030-01	Raccoon Ck SB	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
17	02040206070070-01	Raccoon Ditch (Stow Creek)	Not Supporting	N/A	Insufficient Data	Fully Supporting	Insufficient Data	Not Supporting
07	02030104050100-01	Rahway River (below Robinsons Branch)	Insufficient Data	N/A	Fully Supporting	N/A	N/A	Not Supporting
07	02030104050040-01	Rahway River (Kenilworth Blvd to EB / WB)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
07	02030104050060-01	Rahway River (Robinsons Br to KenilworthBlvd)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting

WMA	Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Aquatic Life - Trout	Recreation	Water Supply	Shellfish	Fish Consumption
07	02030104050020-01	Rahway River EB	Insufficient Data	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
07	02030104050090-01	Rahway River SB	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
07	02030104050010-01	Rahway River WB	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
03	02030103100010-01	Ramapo R (above 74d 11m 00s)	Not Supporting	Insufficient Data	Not Supporting	Fully Supporting	N/A	Insufficient Data
03	02030103100030-01	Ramapo R (above Fyke Bk to 74d 11m 00s)	Not Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
03	02030103100040-01	Ramapo R (Bear Swamp Bk thru Fyke Bk)	Not Supporting	Insufficient Data	Not Supporting	Fully Supporting	N/A	Insufficient Data
03	02030103100070-01	Ramapo R (below Crystal Lake bridge)	Not Supporting	Insufficient Data	Not Supporting	Fully Supporting	N/A	Not Supporting
03	02030103100050-01	Ramapo R (Crystal Lk br to BearSwamp Bk)	Not Supporting	Not Supporting	Not Supporting	Insufficient Data	N/A	Insufficient Data
19	02040202080050-01	Rancocas Ck (below Rt 130)	Insufficient Data	N/A	Fully Supporting	Fully Supporting	N/A	Not Supporting
19	02040202080020-01	Rancocas Ck (Martins Beach to NB/SB)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Not Supporting
19	02040202080040-01	Rancocas Ck (Rt 130 to Martins Beach)	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Not Supporting
19	02040202040050-01	Rancocas Ck NB (below Smithville)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
19	02040202020030-01	Rancocas Ck NB (incl Mirror Lk-GauntsBk)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Not Supporting
19	02040202020040-01	Rancocas Ck NB (NL dam to Mirror Lk)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
19	02040202040010-01	Rancocas Ck NB (Pemberton br to NL dam)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
19	02040202040030-01	Rancocas Ck NB (Rt 206 to Pemberton br)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
19	02040202040040-01	Rancocas Ck NB (Smithville to Rt 206)	Not Supporting	N/A	Insufficient Data	Not Supporting	N/A	Insufficient Data
19	02040202050060-01	Rancocas Ck SB (above Friendship Ck)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
19	02040202070030-01	Rancocas Ck SB (below Rt 38)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
19	02040202050090-01	Rancocas Ck SB (BobbysRun to Vincentown)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Not Supporting
19	02040202070020-01	Rancocas Ck SB (Rt 38 to Bobbys Run)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
19	02040202050080-01	Rancocas Ck SB (Vincentown-FriendshipCk)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
19	02040202060080-01	Rancocas Ck SW Branch (above Medford br)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
19	02040202060100-01	Rancocas Ck SW Branch (below Medford br)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
12	02030104910030-01	Raritan Bay (deep water)	Not Supporting	N/A	Fully Supporting	N/A	Not Supporting	Not Supporting
12	02030104910010-01	Raritan Bay (west of Thorns Ck)	Not Supporting	N/A	Fully Supporting	N/A	Not Supporting	Not Supporting
09	02030105160100-01	Raritan R Lwr (below Lawrence Bk)	Insufficient Data	N/A	Not Supporting	N/A	Not Supporting	Not Supporting
09	02030105120140-01	Raritan R Lwr (I-287 Piscatway-Millstone)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
09	02030105120170-01	Raritan R Lwr (Lawrence Bk to Mile Run)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
09	02030105120160-01	Raritan R Lwr (MileRun to I-287 Pisctwy)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
09	02030105080030-01	Raritan R Lwr (Millstone to Rt 206)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Not Supporting

WMA	Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Aquatic Life - Trout	Recreation	Water Supply	Shellfish	Fish Consumption
09	02030105080020-01	Raritan R Lwr (Rt 206 to NB / SB)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Not Supporting
08	02030105060010-01	Raritan R NB (above/incl India Bk)	Fully Supporting	Insufficient Data	Not Supporting	Insufficient Data	N/A	Insufficient Data
08	02030105070030-01	Raritan R NB (below Rt 28)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
08	02030105060030-01	Raritan R NB (incl McVickers to India Bk)	Fully Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
08	02030105060070-01	Raritan R NB (incl Mine Bk to Peapack Bk)	Not Supporting	Insufficient Data	Insufficient Data	Not Supporting	N/A	Insufficient Data
08	02030105060090-01	Raritan R NB (Lamington R to Mine Bk)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
08	02030105060040-01	Raritan R NB (Peapack Bk to McVickers Bk)	Not Supporting	Not Supporting	Insufficient Data	Fully Supporting	N/A	Insufficient Data
08	02030105070010-01	Raritan R NB (Rt 28 to Lamington R)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
08	02030105010040-01	Raritan R SB (74d 44m 15s to Rt 46)	Fully Supporting	Insufficient Data	Insufficient Data	Insufficient Data	N/A	Not Supporting
08	02030105010030-01	Raritan R SB (above Rt 46)	Insufficient Data	Insufficient Data	Insufficient Data	Insufficient Data	N/A	Fully Supporting
08	02030105010060-01	Raritan R SB (Califon br to Long Valley)	Not Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Not Supporting
08	02030105010050-01	Raritan R SB (LongValley br to 74d44m15s)	Not Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Not Supporting
08	02030105040040-01	Raritan R SB (NB to Pleasant Run)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Not Supporting
08	02030105040010-01	Raritan R SB (Pleasant Run-Three Bridges)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
08	02030105020080-01	Raritan R SB (Prescott Bk to River Rd)	Not Supporting	Not Supporting	Not Supporting	Not Supporting	N/A	Insufficient Data
08	02030105020070-01	Raritan R SB (River Rd to Spruce Run)	Not Supporting	Not Supporting	Fully Supporting	Fully Supporting	N/A	Insufficient Data
08	02030105010080-01	Raritan R SB (Spruce Run-StoneMill gage)	Fully Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
08	02030105010070-01	Raritan R SB (StoneMill gage to Califon)	Not Supporting	Not Supporting	Not Supporting	Not Supporting	N/A	Insufficient Data
08	02030105020100-01	Raritan R SB (Three Bridges-Prescott Bk)	Not Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Not Supporting
09	02030105160090-01	Red Root Creek / Crows Mill Creek	Insufficient Data	N/A	Insufficient Data	N/A	Insufficient Data	Not Supporting
17	02040206120040-01	Reed Branch (Still Run)	Insufficient Data	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
15	02040302010010-01	Reeds Bay / Absecon Bay & tribs	Not Supporting	N/A	Fully Supporting	N/A	Fully Supporting	Insufficient Data
18	02040202140050-01	Repaupo Ck (belowTomlin Sta Rd)/CedarSwamp	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Not Supporting
13	02040301070040-01	Ridgeway Br (below Hope Chapel Rd)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
13	02040301070030-01	Ridgeway Br (Hope Chapel Rd to HarrisBr)	Fully Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Not Supporting
01	02040105160080-01	Riegelsville (direct Del. R. drainage)	Insufficient Data	Insufficient Data	Insufficient Data	Insufficient Data	N/A	Insufficient Data
16	02040206210010-01	Riggins Ditch (Moores Beach to East Pt)	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting
03	02030103070080-01	Ringwood Creek	Insufficient Data	Insufficient Data	Insufficient Data	Fully Supporting	N/A	Not Supporting
07	02030104050070-01	Robinsons Br Rahway R (above Lake Ave)	Not Supporting	N/A	Not Supporting	Insufficient Data	N/A	Insufficient Data
07	02030104050080-01	Robinsons Br Rahway R (below Lake Ave)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
10	02030105110060-01	Rock Brook (above Camp Meeting Ave)	Fully Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data

WMA	Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Aquatic Life - Trout	Recreation	Water Supply	Shellfish	Fish Consumption
10	02030105110070-01	Rock Brook (below Camp Meeting Ave)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
08	02030105050080-01	Rockaway Ck (above McCrea Mills)	Not Supporting	Not Supporting	Fully Supporting	Not Supporting	N/A	Insufficient Data
08	02030105050090-01	Rockaway Ck (below McCrea Mills)	Not Supporting	Not Supporting	Not Supporting	Not Supporting	N/A	Insufficient Data
08	02030105050100-01	Rockaway Ck SB	Not Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
06	02030103030070-01	Rockaway R (74d 33m 30s to Stephens Bk)	Insufficient Data	Insufficient Data	Not Supporting	Fully Supporting	N/A	Not Supporting
06	02030103030030-01	Rockaway R (above Longwood Lake outlet)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Not Supporting
06	02030103030090-01	Rockaway R (BM 534 brdg to 74d 33m 30s)	Fully Supporting	N/A	Not Supporting	Fully Supporting	N/A	Not Supporting
06	02030103030150-01	Rockaway R (Boonton dam to Stony Brook)	Fully Supporting	Insufficient Data	Fully Supporting	Not Supporting	N/A	Not Supporting
06	02030103030170-01	Rockaway R (Passaic R to Boonton dam)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
06	02030103030040-01	Rockaway R (Stephens Bk to Longwood Lk)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Not Supporting
06	02030103030140-01	Rockaway R (Stony Brook to BM 534 brdg)	Not Supporting	N/A	Insufficient Data	Not Supporting	N/A	Not Supporting
10	02030105100040-01	Rocky Brook (above Monmouth Co line)	Insufficient Data	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
10	02030105100050-01	Rocky Brook (below Monmouth Co line)	Not Supporting	N/A	Insufficient Data	Not Supporting	N/A	Not Supporting
10	02030105110150-01	Royce Brook (above Branch Royce Brook)	Not Supporting	N/A	Not Supporting	Insufficient Data	N/A	Insufficient Data
10	02030105110160-01	Royce Brook (below/incl Branch Royce Bk)	Not Supporting	N/A	Not Supporting	Insufficient Data	N/A	Insufficient Data
06	02030103030010-01	Russia Brook (above Milton)	Insufficient Data	Not Supporting	Insufficient Data	Fully Supporting	N/A	Insufficient Data
06	02030103030020-01	Russia Brook (below Milton)	Fully Supporting	Insufficient Data	Insufficient Data	Fully Supporting	N/A	Insufficient Data
02	02020007000010-01	Rutgers Creek tribs	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
04	02030103140040-01	Saddle River (above Ridgewood gage)	Not Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
04	02030103140070-01	Saddle River (below Lodi gage)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
04	02030103140080-01	Saddle River (Hohokus to Ridgewood gage)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
04	02030103140060-01	Saddle River (Lodi gage to Rt 4)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
04	02030103140050-01	Saddle River (Rt 4 to Hohokus)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
17	02040206030080-01	Salem Canal	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
17	02040206030060-01	Salem R (39-40-14 dam-CoursesLndg)/Canal	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Not Supporting
17	02040206030010-01	Salem R (above Woodstown gage)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Not Supporting
17	02040206040040-01	Salem R (below Fenwick Creek)	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Not Supporting
17	02040206030030-01	Salem R (CountyHomeRd to Woodstown gage)	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
17	02040206030040-01	Salem R (CoursesLanding to CountyHomeRd)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
17	02040206040030-01	Salem R (Fenwick Ck to 39d40m14s dam)	Insufficient Data	N/A	Not Supporting	Insufficient Data	N/A	Not Supporting
12	02030104910020-01	Sandy Hook Bay (east of Thorns Ck)	Not Supporting	N/A	Fully Supporting	N/A	Not Supporting	Not Supporting

WMA	Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Aquatic Life - Trout	Recreation	Water Supply	Shellfish	Fish Consumption
16	02040206210050-01	Savages Run (above East Creek Pond)	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Not Supporting
17	02040206130010-01	Scotland Run (above Fries Mill)	Fully Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Not Supporting
17	02040206130040-01	Scotland Run (below Delsea Drive)	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Not Supporting
17	02040206130020-01	Scotland Run (Delsea Drive to FriesMill)	Fully Supporting	N/A	Fully Supporting	Insufficient Data	N/A	Insufficient Data
08	02030105030020-01	Second Neshanic River	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
04	02030103150020-01	Second River	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
11	02040105240010-01	Shabakunk Creek	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
11	02040105240020-01	Shabakunk Creek WB	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
20	02040201070030-01	Shady Brook/Spring Lake/Rowan Lake	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Not Supporting
10	02030105100100-01	Shallow Brook (Devils Brook)	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
13	02040301070010-01	Shannae Brook	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Not Supporting
12	02030104090040-01	Shark River (above Remsen Mill gage)	Not Supporting	Not Supporting	Not Supporting	Not Supporting	N/A	Not Supporting
12	02030104090060-01	Shark River (below Remsen Mill gage)	Not Supporting	N/A	Not Supporting	N/A	Not Supporting	Not Supporting
01	02040104090030-01	Shimers Brook	Not Supporting	Not Supporting	Fully Supporting	Not Supporting	N/A	Insufficient Data
11	02040105230060-01	Shipetaukin Creek	Not Supporting	N/A	Not Supporting	Insufficient Data	N/A	Insufficient Data
14	02040301190010-01	Shoal Branch (above/incl Pope Branch)	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
14	02040301190040-01	Shoal Branch (below Pope Branch)	Fully Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
12	02030104080040-01	Shrewsbury River (above Navesink River)	Insufficient Data	N/A	Not Supporting	N/A	Not Supporting	Not Supporting
10	02030105110120-01	Sixmile Run (above Middlebush Rd)	Not Supporting	N/A	Not Supporting	Insufficient Data	N/A	Insufficient Data
10	02030105110130-01	Sixmile Run (below Middlebush Rd)	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
14	02040301150020-01	Skit Branch (Batsto River)	Fully Supporting	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
14	02040301160170-01	Sleeper Branch	Insufficient Data	N/A	Fully Supporting	Fully Supporting	N/A	Not Supporting
14	02040301160060-01	Sleeper Branch (Rt 206 to Tremont Ave)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
06	02030103010190-01	Slough Brook	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
16	02040206220020-01	Sluice Creek	Insufficient Data	N/A	Insufficient Data	Fully Supporting	Insufficient Data	Not Supporting
09	02030105120080-01	South Fork of Bound Brook	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Not Supporting
15	02040302050030-01	South River (above 39d26m15s)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
15	02040302050040-01	South River (below 39d26m15s)	Not Supporting	N/A	Not Supporting	Not Supporting	Not Supporting	Insufficient Data
09	02030105160070-01	South River (below Duhernal Lake)	Not Supporting	N/A	Insufficient Data	Not Supporting	N/A	Not Supporting
20	02040201040020-01	South Run (above 74d35m) (Ft Dix)	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
20	02040201040030-01	South Run (Jumping Brook to 74d35m)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data

WMA	Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Aquatic Life - Trout	Recreation	Water Supply	Shellfish	Fish Consumption
20	02040201040050-01	South Run (North Run to Jumping Brook)	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Not Supporting
05	02030101170020-01	Sparkill Brook	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
01	02040105040050-01	Sparta Junction tribs	Fully Supporting	Not Supporting	Insufficient Data	Insufficient Data	N/A	Insufficient Data
09	02030105120090-01	Spring Lake Fork of Bound Brook	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Not Supporting
14	02040301150040-01	Springers Brook / Deep Run	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
08	02030105020010-01	Spruce Run (above Glen Gardner)	Fully Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
08	02030105020020-01	Spruce Run (Reservior to Glen Gardner)	Fully Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
08	02030105020040-01	Spruce Run Reservior / Willoughby Brook	Not Supporting	Not Supporting	Insufficient Data	Fully Supporting	N/A	Not Supporting
15	02040302030050-01	Squankum Branch (GEHR)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
15	02040302050080-01	Stephen Creek (GEHR)	Not Supporting	N/A	Insufficient Data	Not Supporting	Not Supporting	Not Supporting
17	02040206120030-01	Still Run (above Silver Lake Road)	Fully Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
17	02040206120050-01	Still Run (WillowGroveLk - SilverLakeRd)	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
18	02040202140020-01	Still Run/London Br(above Tomlin Sta Rd)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
03	02030103050070-01	Stone House Brook	Insufficient Data	Not Supporting	Insufficient Data	Insufficient Data	N/A	Insufficient Data
10	02030105090020-01	Stony Bk (74d 48m 10s to 74d 49m 15s)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
10	02030105090040-01	Stony Bk (74d46m dam to/incl Baldwins Ck)	Fully Supporting	N/A	Not Supporting	Insufficient Data	N/A	Insufficient Data
10	02030105090010-01	Stony Bk (above 74d 49m 15s)	Insufficient Data	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
10	02030105090030-01	Stony Bk (Baldwins Ck to 74d 48m 10s)	Fully Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
10	02030105090070-01	Stony Bk (Harrison St to Rt 206)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
10	02030105090050-01	Stony Bk (Province Line Rd to 74d46m dam)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
10	02030105090060-01	Stony Bk (Rt 206 to Province Line Rd)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
10	02030105090090-01	Stony Bk- Princeton drainage	Not Supporting	N/A	Insufficient Data	Not Supporting	N/A	Insufficient Data
06	02030103030130-01	Stony Brook (Boonton)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
01	02040105060010-01	Stony Brook (incl UDRV)	Fully Supporting	Insufficient Data	Insufficient Data	Insufficient Data	N/A	Insufficient Data
09	02030105120030-01	Stony Brook (North Plainfield)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
17	02040206070050-01	Stow Creek (above Jericho Road)	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
17	02040206070080-01	Stow Creek (below Canton Rd)	Not Supporting	N/A	Insufficient Data	N/A	Insufficient Data	Not Supporting
17	02040206070060-01	Stow Creek (Canton Road to Jericho Road)	Not Supporting	N/A	Insufficient Data	N/A	Insufficient Data	Not Supporting
11	02040105210030-01	Swan Creek (Moore Ck to Alexauken Ck)	Fully Supporting	Insufficient Data	Not Supporting	Insufficient Data	N/A	Insufficient Data
01	02040105030020-01	Swartswood Lake and tribs	Not Supporting	Not Supporting	Fully Supporting	Not Supporting	N/A	Not Supporting
01	02040105030010-01	Swartswood trib(41-06-06 thru Lk Owassa)	Not Supporting	Insufficient Data	Insufficient Data	Fully Supporting	N/A	Insufficient Data

WMA	Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Aquatic Life - Trout	Recreation	Water Supply	Shellfish	Fish Consumption
18	02040202090010-01	Swede Run	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
12	02030104070070-01	Swimming River Reservior / Slope Bk	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Not Supporting
15	02040302070050-01	Tarkiln Brook (Tuckahoe River)	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
05	02030103170040-01	Tenakill Brook	Not Supporting	Insufficient Data	Not Supporting	Not Supporting	N/A	Insufficient Data
09	02030105160050-01	Tennent Brook (above 74d 19m 05s)	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
09	02030105160060-01	Tennent Brook (below 74d 19m 05s)	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
08	02030105030040-01	Third Neshanic River	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
04	02030103150010-01	Third River	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Not Supporting
15	02040302040060-01	Three Pond Branch (Hospitality Branch)	Fully Supporting	N/A	Insufficient Data	Not Supporting	N/A	Insufficient Data
13	BarnegatBay04	Toms R Estuary	Not Supporting	N/A	Not Supporting	N/A	Not Supporting	Not Supporting
13	02040301060020-01	Toms River (74-22-30 rd to FrancisMills)	Fully Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
13	02040301060010-01	Toms River (above Francis Mills)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
13	02040301060030-01	Toms River (Bowman Rd to 74-22-30 road)	Fully Supporting	Not Supporting	Not Supporting	Not Supporting	N/A	Insufficient Data
13	02040301060060-01	Toms River (Hope Chapel Rd to Bowman Rd)	Fully Supporting	Insufficient Data	Not Supporting	Fully Supporting	N/A	Insufficient Data
13	02040301060080-01	Toms River (Oak Ridge Parkway to Rt 70)	Not Supporting	Insufficient Data	Not Supporting	Fully Supporting	N/A	Insufficient Data
13	02040301060070-01	Toms River (Rt 70 to Hope Chapel Road)	Fully Supporting	Fully Supporting	Fully Supporting	Fully Supporting	N/A	Insufficient Data
13	02040301080060-01	Toms River Lwr (Rt 166 to Oak Ridge Pkwy)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Not Supporting
01	02040105030030-01	Trout Brook	Fully Supporting	Insufficient Data	Insufficient Data	Fully Supporting	N/A	Not Supporting
01	02040105070050-01	Trout Brook / Lake Tranquility	Not Supporting	Insufficient Data	Insufficient Data	Fully Supporting	N/A	Not Supporting
06	02030103020080-01	Troy Brook (above Reynolds Ave)	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Not Supporting
06	02030103020090-01	Troy Brook (below Reynolds Ave)	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
15	02040302070020-01	Tuckahoe River (39d19m52s to Cumberland Ave)	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
15	02040302070010-01	Tuckahoe River (above Cumberland Ave)	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
15	02040302070110-01	Tuckahoe River (below Rt 49)	Insufficient Data	N/A	Fully Supporting	Insufficient Data	Not Supporting	Insufficient Data
15	02040302070120-01	Tuckahoe River (lower)	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Insufficient Data
15	02040302070040-01	Tuckahoe River (Rt 49 to 39d19m52s)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data
13	02040301140030-01	Tuckerton Creek (below Mill Branch)	Not Supporting	N/A	Insufficient Data	N/A	Not Supporting	Not Supporting
14	02040301190060-01	Tulpehocken Creek	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
01	02040104110010-01	UDRV tribs (Dingmans Ferry to 206 bridg)	Insufficient Data	Not Supporting	Insufficient Data	Insufficient Data	N/A	Insufficient Data
01	02040104110020-01	UDRV tribs (Flat Bk to Dingmans Ferry)	Insufficient Data	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
01	02040105110030-01	UDRV tribs (Rt 22 to Buckhorn Ck)	Insufficient Data	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data

WMA	Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Aquatic Life - Trout	Recreation	Water Supply	Shellfish	Fish Consumption
13	02040301070090-01	Union Branch (below Blacks Br 74d22m05s)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Not Supporting
01	02040105100010-01	Union Church trib	Not Supporting	Insufficient Data	Not Supporting	Fully Supporting	N/A	Insufficient Data
07	02030104010030-01	Upper NY Bay / Kill Van Kull (74d07m30s)	Not Supporting	N/A	Insufficient Data	N/A	N/A	Not Supporting
01	02040104240010-01	Van Campens Brook	Fully Supporting	Fully Supporting	Fully Supporting	Fully Supporting	N/A	Not Supporting
12	02030104060050-01	Waackaack Creek	Not Supporting	N/A	Not Supporting	Not Supporting	Not Supporting	Not Supporting
14	02040301200030-01	Wading River (below Rt 542)	Insufficient Data	N/A	Insufficient Data	Insufficient Data	Not Supporting	Not Supporting
14	02040301200020-01	Wading River (Rt 542 to Oswego River)	Fully Supporting	N/A	Insufficient Data	Insufficient Data	Not Supporting	Not Supporting
14	02040301190020-01	Wading River WB (above Rt 532)	Insufficient Data	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
14	02040301190050-01	Wading River WB (Jenkins Rd to Rt 563)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Not Supporting
14	02040301190070-01	Wading River WB (Oswego R to Jenkins Rd)	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Not Supporting
14	02040301190030-01	Wading River WB (Rt 563 to Rt 532)	Fully Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Insufficient Data
02	02020007030010-01	Wallkill R (41d13m30s to Martins Road)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
02	02020007010080-01	Wallkill R (Franklin Pond to Ogdensburg)	Not Supporting	Not Supporting	Not Supporting	Not Supporting	N/A	Insufficient Data
02	02020007010040-01	Wallkill R (Hamburg SW Bdy to Frkln Pnd)	Fully Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
02	02020007010070-01	Wallkill R (Martins Rd to Hamburg SW Bdy)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
02	02020007010020-01	Wallkill R (Ogdensburg to SpartaStation)	Insufficient Data	Insufficient Data	Not Supporting	Not Supporting	N/A	Insufficient Data
02	02020007010010-01	Wallkill R / Lake Mohawk(above Sparta Sta)	Fully Supporting	Insufficient Data	Not Supporting	Not Supporting	N/A	Insufficient Data
02	02020007030030-01	Wallkill River (Owens gage to 41d13m30s)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
02	02020007030040-01	Wallkill River (stateline to Owens gage)	Not Supporting	Insufficient Data	Not Supporting	Not Supporting	N/A	Insufficient Data
03	02030103070030-01	Wanaque R/Greenwood Lk(aboveMonks gage)	Fully Supporting	Fully Supporting	Fully Supporting	Fully Supporting	N/A	Not Supporting
03	02030103070070-01	Wanaque R/Posts Bk (below reservior)	Not Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
03	02030103070050-01	Wanaque Reservior (below Monks gage)	Insufficient Data	Not Supporting	Not Supporting	Fully Supporting	N/A	Not Supporting
13	02040301120010-01	Waretown Creek / Lochiel Creek	Insufficient Data	N/A	Insufficient Data	Not Supporting	Insufficient Data	Insufficient Data
15	02040302050010-01	Watering Race Branch (Babcock Creek)	Fully Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
02	02020007040050-01	Wawayanda Creek & tribs	Not Supporting	Not Supporting	Fully Supporting	Not Supporting	N/A	Insufficient Data
09	02030105150010-01	Weamaconk Creek	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
13	02040301090010-01	Webbs Mill Branch	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
01	02040105150010-01	Weldon Brook/Beaver Brook	Insufficient Data	Not Supporting	Insufficient Data	Insufficient Data	N/A	Insufficient Data
03	02030103070040-01	West Brook/Burnt Meadow Brook	Insufficient Data	Not Supporting	Insufficient Data	Fully Supporting	N/A	Insufficient Data
16	02040206210020-01	West Ck (above Rt 550)	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
16	02040206210040-01	West Ck (below PaperMillRd) to MooresBch	Insufficient Data	N/A	Insufficient Data	N/A	Insufficient Data	Not Supporting

WMA	Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Aquatic Life - Trout	Recreation	Water Supply	Shellfish	Fish Consumption
16	02040206210030-01	West Ck (Paper Mill Rd to Rt 550)	Not Supporting	N/A	Fully Supporting	Fully Supporting	N/A	Insufficient Data
13	02040301130050-01	Westecunk Creek (above GS Parkway)	Fully Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Not Supporting
13	02040301130060-01	Westecunk Creek (below GS Parkway)	Fully Supporting	N/A	Not Supporting	Fully Supporting	Not Supporting	Insufficient Data
12	02030104090010-01	Whale Pond Brook	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
06	02030103020010-01	Whippany R (above road at 74d 33m)	Fully Supporting	Not Supporting	Fully Supporting	Not Supporting	N/A	Insufficient Data
06	02030103020040-01	Whippany R (Lk Pocahontas to Wash Val Rd)	Not Supporting	Insufficient Data	Not Supporting	Fully Supporting	N/A	Not Supporting
06	02030103020050-01	Whippany R (Malapardis to Lk Pocahontas)	Not Supporting	Insufficient Data	Not Supporting	Not Supporting	N/A	Insufficient Data
06	02030103020100-01	Whippany R (Rockaway R to Malapardis Bk)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
06	02030103020020-01	Whippany R (Wash. Valley Rd to 74d 33m)	Fully Supporting	Fully Supporting	Not Supporting	Not Supporting	N/A	Insufficient Data
17	02040206170020-01	White Marsh Run (Millville)	Fully Supporting	N/A	Insufficient Data	Not Supporting	N/A	Insufficient Data
15	02040302040040-01	White Oak Branch (Hospitality Branch)	Fully Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
11	02040105200040-01	Wickecheoke Creek (above Locktown)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
11	02040105200060-01	Wickecheoke Creek (below Locktown)	Not Supporting	Not Supporting	Not Supporting	Fully Supporting	N/A	Insufficient Data
15	02040302070100-01	Willis Thorofare / Hughes Creek	Insufficient Data	N/A	Insufficient Data	N/A	Not Supporting	Insufficient Data
12	02030104070020-01	Willow Brook	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
14	02040301160040-01	Wisickaman Creek	Not Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
07	02030104050110-01	Woodbridge Creek	Insufficient Data	N/A	Insufficient Data	N/A	N/A	Not Supporting
18	02040202120100-01	Woodbury Creek (above Rt 45)	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Not Supporting
18	02040202120110-01	Woodbury Creek (below Rt 45)/LDRV to B T Ck	Not Supporting	N/A	Insufficient Data	Fully Supporting	N/A	Not Supporting
13	02040301080010-01	Wrangel Brook (above Michaels Branch)	Fully Supporting	N/A	Insufficient Data	Insufficient Data	N/A	Insufficient Data
13	02040301080050-01	Wrangel Brook (below Michaels Branch)	Not Supporting	N/A	Not Supporting	Not Supporting	N/A	Insufficient Data
12	02030104090070-01	Wreck Pond Brook (above Rt 35)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
12	02030104090080-01	Wreck Pond Brook (below Rt 35)	Not Supporting	N/A	Not Supporting	Not Supporting	Not Supporting	Not Supporting
02	02020007020020-01	Wykertown tribs (Papakating Creek)	Insufficient Data	N/A	Fully Supporting	Insufficient Data	N/A	Insufficient Data
01	02040105050040-01	Yards Creek	Not Supporting	Not Supporting	Insufficient Data	Insufficient Data	N/A	Not Supporting
12	02030104070040-01	Yellow Brook (above Bucks Mill)	Not Supporting	N/A	Not Supporting	Fully Supporting	N/A	Insufficient Data
12	02030104070060-01	Yellow Brook (below Bucks Mill)	Not Supporting	N/A	Not Supporting	Insufficient Data	N/A	Insufficient Data
14	02040301180010-01	Yellow Dam Branch	Not Supporting	N/A	Fully Supporting	Not Supporting	N/A	Insufficient Data

This table shows AUs whose designated uses assessments changed from Not Supporting on the 2012 Integrated LIst to Fully Supporting or Insufficient Information o the 2014 Integrated List but the associated parameter assessments remained the same. For example: In Harihokake Creek (and to Hakihokake Ck), phosphorus exceedances occurred in non-trout waters but attained criteria in the trout waters phosphorus; therefore the trout use was changed to fully supporting. Phosphorus remains on the 303(d) List as a cause of general aquatic life use non-support.

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Designated Use	Original Listing Station	Prior Assessment Result	New Assessment Result	Delisting Reason	Justification
11	02040105170030-01	Harihokake Creek (and to Hakihokake Ck)	Phosphorus (Total)	Aquatic Life-Trout	01458300	Not Supporting	Fully Supporting	Applicable WQS attained; original basis for listing was incorrect.	01458300 is non attain for TP but is in non-trout waters, 01458400 in trout waters is fully attaining for TP.
04	02030103120030-01	Preakness Brook / Naachtpunkt Brook	Benthic Macroinvertebrates	Aquatic Life-Trout	AN0273	Not Supporting	Insufficient Data	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	AN0273 is non attain for benthic macroinvertebrates but in non trout waters. Does not apply to trout use, insufficient data for assessment.
08	02030105050020-01	Lamington R (Hillside Rd to Rt 10)	Phosphorus (Total), Dissolved Oxygen	Aquatic Life-Trout	LR2	Not Supporting	Insufficient Data	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	LR2 is non attain for TP and DO but in non trout waters. Does not apply to trout use, insufficient data for assessment.
08	02030105030010-01	First Neshanic River	Benthic Macroinvertebrates	Aquatic Life-Trout	AN0330	Not Supporting	Insufficient Data	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	AN0330 is non attain for benthic macroinvertebrates but in non trout waters. Does not apply to trout use, insufficient data for assessment.
01	02040105070020-01	New Wawayanda Lake/Andover Pond trib	Benthic Macroinvertebrates	Aquatic Life-Trout	AN0036	Not Supporting	Insufficient Data	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	AN0036 is non attain for benthic macroinvertebrates but in non trout waters. Does not apply to trout use, insufficient data for assessment.
03	02030103100070-01	Ramapo R (below Crystal Lake bridge)	Benthic Macroinvertebrates	Aquatic Life-Trout	ANO267	Not Supporting	Insufficient Data	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	AN0267 is non attain for benthic macroinvertebrates but in non trout waters. 01387811 and Pompton Lake-03 is non attain (TMDL) for TP but in non trout waters. Does not apply to trout use, insufficient data for assessment.

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Designated Use	Original Listing Station	Prior Assessment Result	New Assessment Result	Delisting Reason	Justification
08	02030105060070-01	Raritan R NB (incl Mine Bk to Peapack Bk)	Benthic Macroinvertebrates	Aquatic Life-Trout	AN0352	Not Supporting	Insufficient Data	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	AN0352 is non attain for benthic macroinvertebrates but in non trout waters. Does not apply to trout use, insufficient data for assessment.
06	02030103030160-01	Montville Tribs	Benthic Macroinvertebrates	Aquatic Life-Trout	AN0253,AN0254	Not Supporting	Insufficient Data	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	AN0253 and AN0254 are non attain for benthic macroinvertebrates but in non trout waters. Does not apply to trout use, insufficient data for assessment.
09	02030105120020-01	Green Bk (N Plainfield gage to Blue Bk)	Benthic Macroinvertebrates	Aquatic Life-Trout	01403465	Not Supporting	Insufficient Data	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	01403465 is non attain for ph but in non trout waters. Does not apply to trout use, insufficient data for assessment.
01	02040105090050-01	Furnace Brook	Benthic Macroinvertebrates	Aquatic Life-Trout	AN0042	Not Supporting	Insufficient Data	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	AN0042 is non attain for benthic macroinvertebrates but in non trout waters. Does not apply to trout use, insufficient data for assessment.
03	02030103100010-01	Ramapo R (above 74d 11m 00s)	Phosphorus (Total), Dissolved Oxygen	Aquatic Life-Trout	RA1,01387500	Not Supporting	Insufficient Data	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	RA1 is non attain for DO, 01387500 is non attain for TP(TMDL) but in non trout waters. Does not apply to trout use, insufficient data for assessment.
01	02040105030010-01	Swartswood trib(41-06-06 thru Lk Owassa)	pH	Aquatic Life-Trout	Mecca Lake	Not Supporting	Insufficient Data	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	Mecca Lake is non attain for pH but in non trout waters. Does not apply to trout use, insufficient data for assessment.
06	02030103030120-01	Den Brook	Benthic Macroinvertebrates	Aquatic Life-Trout	AN0247	Not Supporting	Insufficient Data	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	AN0247 is non attain for benthic macroinvertebrates but in non trout waters. Does not apply to trout use, insufficient data for assessment.
06	02030103030110-01	Beaver Brook (Morris County)	Benthic Macroinvertebrates	Aquatic Life-Trout	AN0246	Not Supporting	Insufficient Data	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	AN0246 is non attain for benthic macroinvertebrates but in non trout waters. Does not apply to trout use, insufficient data for assessment.

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Designated Use	Original Listing Station	Prior Assessment Result	New Assessment Result	Delisting Reason	Justification
06	02030103020050-01	Whippany R (Malapardis to Lk Pocahontas)	Phosphorus (Total)	Aquatic Life-Trout	Eden Mill Pond,01381498,01381515	Not Supporting	Insufficient Data	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	Eden Mill Pond, 01381498, 01381515 are non attain (TMDL) for TP but in non trout waters. Does not apply to trout use, insufficient data for assessment.
18	02040202120020-01	Big Timber Creek NB (below Laurel Rd)	Phosphorus (Total)	Aquatic Life-Trout	01467359	Not Supporting	Insufficient Data	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	01467359 is non attain for TP but in non trout waters. Does not apply to trout use, insufficient data for assessment.
02	02020007040020-01	Black Creek (below G. Gorge Resort trib)	Dissolved Oxygen	Aquatic Life-Trout	Wallkill G	Not Supporting	Insufficient Data	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	Wallkill G is non attain for DO but in non trout waters. Does not apply to trout use, insufficient data for assessment.
05	02030103170040-01	Tenakill Brook	Phosphorus (Total)	Aquatic Life-Trout	TB1/2/3/4,DB1	Not Supporting	Insufficient Data	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	TB1/2/3/4, DB1 are non attain for TP but in non trout waters. Does not apply to trout use, insufficient data for assessment.
12	02030104090070-01	Wreck Pond Brook (above Rt 35)	Phosphorus (Total)	Aquatic Life-Trout	Osborne Pond, MCHD-14	Not Supporting	Insufficient Data	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	Osborne Pond, MCHD-14 are non attain for TP but in non trout waters. Does not apply to trout use, insufficient data for assessment.
13	02040301060020-01	Toms River (74-22-30 rd to FrancisMills)		Aquatic Life-Trout		Not Supporting	Not Applicable	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	No trout waters in AU.
01	02040104140040-01	Big Flat Brook (Confluence to Kittle Rd)	Temperature	Aquatic Life-General	01439830	Not Supporting	Fully Supporting	Applicable WQS attained; original basis for listing was incorrect.	Temperature exceedances at 01439830 only applies to trout use, general aquatic life use is fully supporting for temperature.
08	02030105060030-01	Raritan R NB (incl McVickers to India Bk)	Temperature, Dissolved Oxygen	Aquatic Life-General	NBRR1	Not Supporting	Fully Supporting	Applicable WQS attained; original basis for listing was incorrect.	Temperature and DO exceedances at NBRR1 only applies to trout use, general aquatic life use is fully supporting for temperature and DO.

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Designated Use	Original Listing Station	Prior Assessment Result	New Assessment Result	Delisting Reason	Justification
01	02040105050010-01	Paulins Kill (Blairstown to Stillwater)	Temperature	Aquatic Life-General	01443500	Not Supporting	Fully Supporting	Applicable WQS attained; original basis for listing was incorrect.	Temperature exceedances at 01443500 only applies to trout use, general aquatic life use is fully supporting for temperature.
01	02040105150040-01	Lubbers Run (above/incl Dallis Pond)	Temperature	Aquatic Life-General	AN0065	Not Supporting	Fully Supporting	Applicable WQS attained; original basis for listing was incorrect.	Temperature exceedances at AN0065 only applies to trout use, general aquatic life use is fully supporting for temperature.

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
15	02040302020030-01	Absecon Creek (AC Reserviors) (gage to SB)	Mercury in Fish Tissue	Atlantic City Reservoir (Upper)	2014	Fish Consumption		Low
15	02040302020030-01	Absecon Creek (AC Reserviors) (gage to SB)	Mercury in Water Column	01410455	2010	Water Supply		Low
15	02040302020040-01	Absecon Creek (below gage)	Mercury in Fish Tissue	Atlantic City Reservoir (Lower)	2008	Fish Consumption		Low
15	02040302020040-01	Absecon Creek (below gage)	Oxygen, Dissolved	R33,2401	2004	Aquatic Life		Medium
15	02040302020040-01	Absecon Creek (below gage)	Total Coliform	Shellfish Network	2014	Shellfish		Medium
15	02040302020010-01	Absecon Creek NB	Mercury in Fish Tissue	Atlantic City Reservoir (Lower)	2008	Fish Consumption		Low
15	02040302020010-01	Absecon Creek NB	pH	ANOABGSP	2006	Aquatic Life		Medium
15	02040302020020-01	Absecon Creek SB	Mercury in Water Column	01410455	2008	Water Supply		Low
14	02040301160110-01	Albertson Brook / Gun Branch	pH	0140941020,0140940970,NALDEREL	2006	Aquatic Life		Medium
11	02040105210010-01	Alexauken Ck (above 74d 55m)	pH	01461900	2014	Aquatic Life		Medium
11	02040105210010-01	Alexauken Ck (above 74d 55m)	Temperature, water	01461900	2006	Aquatic Life - Trout	R	Medium
11	02040105210020-01	Alexauken Ck (below 74d 55m to 11BA06)	Arsenic	01461840	2012	Water Supply		Low
11	02040105210020-01	Alexauken Ck (below 74d 55m to 11BA06)	Escherichia coli	01461840	2012	Recreation		Medium
11	02040105210020-01	Alexauken Ck (below 74d 55m to 11BA06)	pH	01461900	2012	Aquatic LIfe, Aquatic Life - Trout		Medium
11	02040105210020-01	Alexauken Ck (below 74d 55m to 11BA06)	Temperature, water	01461900	2006	Aquatic Life - Trout	R	Medium
17	02040206060020-01	Alloway Ck (above Alloway-Woodstown Rd)	Arsenic	01482880	2008	Water Supply	A	Low
17	02040206060020-01	Alloway Ck (above Alloway-Woodstown Rd)	Total Suspended Solids (TSS)	01482880	2008	Aquatic Life		Medium
17	02040206060090-01	Alloway Ck (below HancocksBr) to Salem R	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
17	02040206060090-01	Alloway Ck (below HancocksBr) to Salem R	Total Coliform	Shellfish Network	2014	Shellfish		Medium
17	02040206060080-01	Alloway Ck (HancocksBridge to NewBridge)	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
17	02040206060080-01	Alloway Ck (HancocksBridge to NewBridge)	Total Coliform	Shellfish Network	2014	Shellfish		Medium
17	02040206060060-01	Alloway Ck (New Bridge to Quinton)	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
17	02040206060060-01	Alloway Ck (New Bridge to Quinton)	Total Coliform	Shellfish Network	2014	Shellfish		Medium
17	02040206060050-01	Alloway Ck (Quinton to Alloway-WdstwnRd)	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
17	02040206060050-01	Alloway Ck (Quinton to Alloway-WdstwnRd)	Total Coliform	Shellfish Network	2014	Shellfish		Medium
18	02040202120060-01	Almonesson Creek	Arsenic	01467368	2012	Water Supply		Low
18	02040202120060-01	Almonesson Creek	Oxygen, Dissolved	01467368	2010	Aquatic Life		Medium
18	02040202120060-01	Almonesson Creek	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
18	02040202120060-01	Almonesson Creek	Phosphorus (Total)	01467368	2014	Aquatic Life		Medium
18	02040202120060-01	Almonesson Creek	Turbidity	01467368	2012	Aquatic Life		Medium
09	02030105120120-01	Ambrose Brook (below Lake Nelson)	Cause Unknown	AN0425,AN0425A	2006	Aquatic Life		Low
07	02030104050120-01	Arthur Kill waterfront (below Grasselli)	Benzo(a)pyrene (PAHs)	HEP	2008	Fish Consumption		Low
07	02030104050120-01	Arthur Kill waterfront (below Grasselli)	Cause Unknown	NB224/219/214/211/210/209/208/230/229	2007	Aquatic Life		Low
07	02030104050120-01	Arthur Kill waterfront (below Grasselli)	Chlordane in Fish Tissue	HEP	2008	Fish Consumption	L	Low
07	02030104050120-01	Arthur Kill waterfront (below Grasselli)	DDT and its metabolites in Fish Tissue	HEP	2008	Fish Consumption	L	Low
07	02030104050120-01	Arthur Kill waterfront (below Grasselli)	Dieldrin	HEP	2008	Fish Consumption	L	Low
07	02030104050120-01	Arthur Kill waterfront (below Grasselli)	Dioxin (including 2,3,7,8-TCDD)	HEP	2006	Fish Consumption		Low
07	02030104050120-01	Arthur Kill waterfront (below Grasselli)	Heptachlor epoxide	HEP	2008	Fish Consumption	L	Low
07	02030104050120-01	Arthur Kill waterfront (below Grasselli)	Hexachlorobenzene	HEP	2008	Fish Consumption		Low
07	02030104050120-01	Arthur Kill waterfront (below Grasselli)	PCB in Fish Tissue	HEP	2008	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
20	02040201100010-01	Assiscunk Ck (above Rt 206)	Arsenic	01464577	2008	Water Supply		Low
20	02040201100010-01	Assiscunk Ck (above Rt 206)	Total Suspended Solids (TSS)	01464577	2010	Aquatic Life		Medium
20	02040201100060-01	Assiscunk Ck (below Neck Rd)	Escherichia coli	BFBM000013	2012	Recreation		Medium
20	02040201100060-01	Assiscunk Ck (below Neck Rd)	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
20	02040201100040-01	Assiscunk Ck (Jacksonville rd to Rt 206)	Arsenic	01464588,20-as-1	2006	Water Supply		Low
20	02040201100040-01	Assiscunk Ck (Jacksonville rd to Rt 206)	Cause Unknown	AN0141	2008	Aquatic Life		Low
20	02040201100050-01	Assiscunk Ck (Neck Rd to Jacksonville rd)	Arsenic	01464588,20-as-1	1998	Water Supply		Low
20	02040201100050-01	Assiscunk Ck (Neck Rd to Jacksonville rd)	Cause Unknown	AN0141	2008	Aquatic Life		Low
20	02040201100050-01	Assiscunk Ck (Neck Rd to Jacksonville rd)	Escherichia coli	BFBM000053	2012	Recreation		Medium
20	02040201100050-01	Assiscunk Ck (Neck Rd to Jacksonville rd)	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
11	02040105230010-01	Assunpink Ck (above Assunpink Lake)	Arsenic	01463520	2012	Water Supply		Low
11	02040105230010-01	Assunpink Ck (above Assunpink Lake)	Escherichia coli	01463520	2012	Recreation		Medium
11	02040105230010-01	Assunpink Ck (above Assunpink Lake)	Phosphorus (Total)	01463520	2012	Aquatic Life		Medium
11	02040105240060-01	Assunpink Ck (below Shipetaukin Ck)	Arsenic	01463610,01464020,11-as-3	1998	Water Supply		Low
11	02040105240060-01	Assunpink Ck (below Shipetaukin Ck)	Lead	01463610,01464020,11-as-3	2010	Water Supply		Low
11	02040105240060-01	Assunpink Ck (below Shipetaukin Ck)	Mercury in Fish Tissue	Assunpink Creek	2010	Fish Consumption		Low
11	02040105240060-01	Assunpink Ck (below Shipetaukin Ck)	Phosphorus (Total)	01464020	2010	Aquatic Life		Medium
11	02040105230020-01	Assunpink Ck (NewSharonBr to/incl Lake)	Arsenic	01463568	2012	Water Supply		Low
11	02040105230020-01	Assunpink Ck (NewSharonBr to/incl Lake)	PCB in Fish Tissue	Assunpink Lake,Assunpink Creek	2012	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
11	02040105230020-01	Assunpink Ck (NewSharonBr to/incl Lake)	Phosphorus (Total)	01463568	2010	Aquatic Life		Medium
11	02040105230020-01	Assunpink Ck (NewSharonBr to/incl Lake)	Total Suspended Solids (TSS)	01463568	2010	Aquatic Life		Medium
11	02040105230050-01	Assunpink Ck (Shipetaukin to Trenton Rd)	Arsenic	01463610,01463620,11-as-2	1998	Water Supply		Low
11	02040105230050-01	Assunpink Ck (Shipetaukin to Trenton Rd)	Cause Unknown	AN0109	2006	Aquatic Life		Low
11	02040105230050-01	Assunpink Ck (Shipetaukin to Trenton Rd)	Chlordane in Fish Tissue	Mercer Co. Park Lake	2014	Fish Consumption	L	Low
11	02040105230050-01	Assunpink Ck (Shipetaukin to Trenton Rd)	Escherichia coli	01463610	2014	Recreation		Medium
11	02040105230050-01	Assunpink Ck (Shipetaukin to Trenton Rd)	Mercury in Fish Tissue	Assunpink Lake,Mercer Co. Park Lake,Assunpink Cree	2006	Fish Consumption		Low
11	02040105230050-01	Assunpink Ck (Shipetaukin to Trenton Rd)	PCB in Fish Tissue	Assunpink Lake,Mercer Co. Park Lake,Assunpink Cree	2012	Fish Consumption	L	Low
11	02040105230040-01	Assunpink Ck (TrentonRd to NewSharonBr)	Arsenic	01463610,11-as-4	1998	Water Supply		Low
11	02040105230040-01	Assunpink Ck (TrentonRd to NewSharonBr)	Cause Unknown	AN0109	2006	Aquatic Life		Low
11	02040105230040-01	Assunpink Ck (TrentonRd to NewSharonBr)	Escherichia coli	01463610	2008	Recreation		Medium
11	02040105230040-01	Assunpink Ck (TrentonRd to NewSharonBr)	PCB in Fish Tissue	Mercer Co. Park Lake,Assunpink Lake	2014	Fish Consumption	L	Low
16	02040302940010-01	Atl Coast(34th St to Corson Inl)	Oxygen, Dissolved	JC85E,JC85G,A85A2,A87A	2006	Aquatic Life		Medium
15	02040302920010-01	Atl Coast(Absecon In to Ventnor)	Oxygen, Dissolved	A74A,JC75E,JC75G	2006	Aquatic Life		Medium
13	02040301920010-01	Atl Coast(Barnegat to Surf City)	Oxygen, Dissolved	JC61E	2006	Aquatic Life		Medium
16	02040302940050-01	Atl Coast(CM Inlet to Cape May Pt)	Oxygen, Dissolved	JC99,A110B,A107A	2006	Aquatic Life		Medium
16	02040302940020-01	Atl Coast(Corson to Townsends In)	Oxygen, Dissolved	JC87	2010	Aquatic Life		Medium
15	02040302930010-01	Atl Coast(Great Egg to 34th St)	Oxygen, Dissolved	A81B,JC81	2006	Aquatic Life		Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
13	02040301920030-01	Atl Coast(Haven Bch to Lit Egg)	Oxygen, Dissolved	JC69G,JC69E	2006	Aquatic Life		Medium
16	02040302940040-01	Atl Coast(Hereford to Cape May In)	Oxygen, Dissolved	A105A2,A101A,JC92	2006	Aquatic Life		Medium
13	02040301910020-01	Atl Coast(Herring Is to Rt 37)	Oxygen, Dissolved	JC44	2006	Aquatic Life		Medium
14	02040302910010-01	Atl Coast(Ltl Egg to Absecon In)	Oxygen, Dissolved	JC69E,JC69G,JC75E,JC75G	2006	Aquatic Life		Medium
13	02040301910010-01	Atl Coast(Manasquan/Herring Is)	Oxygen, Dissolved	JC41G,JC37,JC41E,JC41	2006	Aquatic Life		Medium
12	02030104920020-01	Atl Coast(Navesink R to WhalePond)	Oxygen, Dissolved	JC14E,JC14G	2006	Aquatic Life		Medium
16	02040303060201-01	Atl Coast(off Cape May Pt)	Oxygen, Dissolved	A110B,A107A,JC99	2010	Aquatic Life		Medium
13	02040301910030-01	Atl Coast(Rt 37 to Barnegat Inlet)	Oxygen, Dissolved	JC53E,JC61G,JC53G	2006	Aquatic Life		Medium
12	02030104920010-01	Atl Coast(Sandy H to Navesink R)	Oxygen, Dissolved	JC03,JC05,NYB20	2006	Aquatic Life		Medium
12	02030104930020-01	Atl Coast(Shark R to Manasquan)	Oxygen, Dissolved	JC27,JC26	2006	Aquatic Life		Medium
13	02040301920020-01	Atl Coast(Surf City to Haven Be)	Oxygen, Dissolved	JC65	2006	Aquatic Life		Medium
16	02040302940030-01	Atl Coast(Townsends to Hereford In)	Oxygen, Dissolved	JC90E,A93A2,A94A,A94A2,JC89,JC90G,3310	2010	Aquatic Life		Medium
15	02040302920020-01	Atl Coast(Ventnor to Great Egg)	Oxygen, Dissolved	A77B,JC79	2006	Aquatic Life		Medium
12	02030104930010-01	Atl Coast(Whale Pond to Shark R)	Oxygen, Dissolved	JC27G,JC27E,JC21	2006	Aquatic Life		Medium
15	02040302050020-01	Babcock Creek (GEHR)	pH	01411196,LJALEIPZ	2002	Aquatic Life		Medium
08	02030105030050-01	Back Brook	Cause Unknown	AN0334,AN0335,SBWA18	2006	Aquatic Life		Low
08	02030105030050-01	Back Brook	Escherichia coli	BFBM000009	2012	Recreation	R	Medium
20	02040201070010-01	Back Creek (above Yardville-H Sq Road)	Phosphorus (Total)	01464523	2006	Aquatic Life		Medium
17	02040206100030-01	Back Creek (Sea Breeze Rd to Cedar Ck)	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
17	02040206100030-01	Back Creek (Sea Breeze Rd to Cedar Ck)	Total Coliform	Shellfish Network	2014	Shellfish		Medium
09	02030105150050-01	Barclay Brook	Escherichia coli	01405285	2010	Recreation		Medium
09	02030105150050-01	Barclay Brook	pH	01405285,BaB1	2002	Aquatic Life		Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
20	02040201100020-01	Barkers Brook (above 40d02m30s)	Arsenic	01464583	2008	Water Supply		Low
20	02040201100020-01	Barkers Brook (above 40d02m30s)	Oxygen, Dissolved	01464583	2014	Aquatic Life		Medium
13	BarnegatBay05	Barnegat Bay Central West	Oxygen, Dissolved	BB07a	2014	Aquatic Life		Medium
19	02040202060040-01	Barton Run (above Kettle Run Road)	Arsenic	01465865	2008	Water Supply		Low
19	02040202060040-01	Barton Run (above Kettle Run Road)	Oxygen, Dissolved	01465865	2008	Aquatic Life	R	Medium
19	02040202060040-01	Barton Run (above Kettle Run Road)	pH	01465865	2006	Aquatic Life	R	Medium
19	02040202060050-01	Barton Run (below Kettle Run Road)	Arsenic	01465865	2008	Water Supply		Low
19	02040202060050-01	Barton Run (below Kettle Run Road)	Oxygen, Dissolved	01465865	2008	Aquatic Life	R	Medium
19	02040202060050-01	Barton Run (below Kettle Run Road)	pH	01465865,WBAJENNS, WBLRT544,Kings Grant Lake	2004	Aquatic Life	R	Medium
19	02040202060050-01	Barton Run (below Kettle Run Road)	Phosphorus (Total)	Kings Grant Lake	2010	Aquatic Life	R	Medium
14	02040301200050-01	Bass River EB	Arsenic	01410150,14-ebr-1	2012	Water Supply	A	Low
14	02040301200050-01	Bass River EB	DDT and its metabolites in Fish Tissue	Lake Absegami	2010	Fish Consumption	L	Low
14	02040301200050-01	Bass River EB	PCB in Fish Tissue	Lake Absegami	2010	Fish Consumption	L	Low
14	02040301150010-01	Batsto River (above Hampton Gate)	pH	BBACARRZ,BHOBUTTR	2006	Aquatic Life		Medium
14	02040301150080-01	Batsto River (Batsto gage to Quaker Bridge)	pH	01409470,01409500,BB APENNS	2002	Aquatic Life		Medium
14	02040301150050-01	Batsto River (CNJRR to Hampton Gate)	pH	01409432	2002	Aquatic Life		Medium
14	02040301150060-01	Batsto River (Quaker Bridge to CNJRR)	pH	01409470,BBALFORG	2002	Aquatic Life		Medium
10	02030105100120-01	Bear Brook (above Trenton Road)	Arsenic	01400775	2008	Water Supply		Low
10	02030105100120-01	Bear Brook (above Trenton Road)	Escherichia coli	01400775	2008	Recreation		Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
10	02030105100130-01	Bear Brook (below Trenton Road)	Arsenic	01400775,01400808	2008	Water Supply		Low
10	02030105100130-01	Bear Brook (below Trenton Road)	Escherichia coli	01400775,01400808	2008	Recreation		Medium
10	02030105100130-01	Bear Brook (below Trenton Road)	Oxygen, Dissolved	01400808,BBB2-GMP	2010	Aquatic Life		Medium
10	02030105100130-01	Bear Brook (below Trenton Road)	Phosphorus (Total)	01400808,BBB1-GMPi	2012	Aquatic Life		High
01	02040105080010-01	Bear Brook (Sussex/Warren Co)	Cause Unknown	AN0040A	2006	Aquatic Life		Low
01	02040105080010-01	Bear Brook (Sussex/Warren Co)	Escherichia coli	01445160	2012	Recreation		Medium
19	02040202060060-01	Bear Swamp River	Cause Unknown	AN0159	2010	Aquatic Life		Low
08	02030105020050-01	Beaver Brook (Clinton)	Escherichia coli	BFBM000043	2012	Recreation		Medium
08	02030105020050-01	Beaver Brook (Clinton)	pH	BvB1	2010	Aquatic LIfe, Aquatic Life - Trout		Medium
08	02030105020050-01	Beaver Brook (Clinton)	Phosphorus (Total)	01396812,BvB1	2006	Aquatic LIfe, Aquatic Life - Trout		High
08	02030105020050-01	Beaver Brook (Clinton)	Temperature, water	BvB1	2010	Aquatic Life - Trout		Medium
06	02030103030110-01	Beaver Brook (Morris County)	Arsenic	01380100	2012	Water Supply		Low
06	02030103030110-01	Beaver Brook (Morris County)	Cause Unknown	AN0246	2012	Aquatic Life		Low
18	02040202160040-01	Beaver Creek (Oldmans Creek)	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
02	02020007010060-01	Beaver Run	Cause Unknown	AN0301	2006	Aquatic Life		Low
13	02040301040010-01	Beaverdam Creek	Cause Unknown	AN0513	2008	Aquatic Life		Low
10	02030105110040-01	Beden Brook (above Province Line Rd)	Arsenic	01401520,10-bed-1	2012	Water Supply		Low
10	02030105110040-01	Beden Brook (above Province Line Rd)	Escherichia coli	01401520	2010	Recreation	R	Medium
10	02030105110050-01	Beden Brook (below Province Line Rd)	Arsenic	01401600,10-bed-2,10-bed-3	2004	Water Supply		Low
10	02030105110050-01	Beden Brook (below Province Line Rd)	Phosphorus (Total)	01401600	2002	Aquatic Life		High
05	02030103180060-01	Berrys Creek (above Paterson Ave)	Arsenic	Berry's Creek Reach 02030103-034	1998	Fish Consumption		Low
05	02030103180060-01	Berrys Creek (above Paterson Ave)	Benzo(a)pyrene (PAHs)	HEP	2007	Fish Consumption		Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
05	02030103180060-01	Berrys Creek (above Paterson Ave)	Cadmium	Berry's Creek Reach 02030103-034	1998	Aquatic Life, Fish Consumption		Low
05	02030103180060-01	Berrys Creek (above Paterson Ave)	Chlordane in Fish Tissue	HEP	2007	Fish Consumption	L	Low
05	02030103180060-01	Berrys Creek (above Paterson Ave)	Copper	Berry's Creek Reach 02030103-034	1998	Aquatic Life		Low
05	02030103180060-01	Berrys Creek (above Paterson Ave)	DDT and its metabolites in Fish Tissue	HEP	2008	Fish Consumption	L	Low
05	02030103180060-01	Berrys Creek (above Paterson Ave)	Dieldrin	HEP	2007	Fish Consumption	L	Low
05	02030103180060-01	Berrys Creek (above Paterson Ave)	Dioxin (including 2,3,7,8-TCDD)	HEP	2006	Fish Consumption		Low
05	02030103180060-01	Berrys Creek (above Paterson Ave)	Heptachlor epoxide	HEP	2014	Fish Consumption	L	Low
05	02030103180060-01	Berrys Creek (above Paterson Ave)	Lead	Berry's Creek Reach 02030103-034	1998	Aquatic Life		Low
05	02030103180060-01	Berrys Creek (above Paterson Ave)	Mercury in Fish Tissue	HEP	1998	Fish Consumption		Low
05	02030103180060-01	Berrys Creek (above Paterson Ave)	PCB in Fish Tissue	HEP	2008	Fish Consumption	L	Low
05	02030103180070-01	Berrys Creek (below Paterson Ave)	Arsenic	Berry's Creek Reach 02030103-034	1998	Fish Consumption		Low
05	02030103180070-01	Berrys Creek (below Paterson Ave)	Benzo(a)pyrene (PAHs)	HEP	2007	Fish Consumption		Low
05	02030103180070-01	Berrys Creek (below Paterson Ave)	Chlordane in Fish Tissue	HEP	2007	Fish Consumption	L	Low
05	02030103180070-01	Berrys Creek (below Paterson Ave)	Chromium (total)	Adjacent to Berry's Creek Reach 02030103-034-0.11	1998	Fish Consumption		Low
05	02030103180070-01	Berrys Creek (below Paterson Ave)	Copper	Berry's Creek Reach 02030103-034	1998	Aquatic Life		Low
05	02030103180070-01	Berrys Creek (below Paterson Ave)	DDT and its metabolites in Fish Tissue	HEP	2008	Fish Consumption	L	Low
05	02030103180070-01	Berrys Creek (below Paterson Ave)	Dieldrin	HEP	2007	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
05	02030103180070-01	Berrys Creek (below Paterson Ave)	Dioxin (including 2,3,7,8-TCDD)	HEP	2006	Fish Consumption		Low
05	02030103180070-01	Berrys Creek (below Paterson Ave)	Heptachlor epoxide	HEP	2014	Fish Consumption	L	Low
05	02030103180070-01	Berrys Creek (below Paterson Ave)	Lead	Berry's Creek Reach 02030103-034	1998	Aquatic Life		Low
05	02030103180070-01	Berrys Creek (below Paterson Ave)	Mercury in Fish Tissue	HEP	1998	Fish Consumption		Low
05	02030103180070-01	Berrys Creek (below Paterson Ave)	PCB in Fish Tissue	HEP	1998	Fish Consumption	L	Low
16	02040206230010-01	Bidwell Creek (above Rt 47)	Oxygen, Dissolved	R39	2004	Aquatic Life		Medium
16	02040206230010-01	Bidwell Creek (above Rt 47)	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
16	02040206230020-01	Bidwell Creek (below Rt 47)-Dias to GoshenCk	Oxygen, Dissolved	R39	2006	Aquatic Life		Medium
16	02040206230020-01	Bidwell Creek (below Rt 47)-Dias to GoshenCk	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
12	02030104070030-01	Big Brook	Arsenic	01407280,01407320	2012	Water Supply		Low
12	02030104070030-01	Big Brook	Mercury in Water Column	01407320	2014	Water Supply		Low
12	02030104070030-01	Big Brook	pH	01407320 01407280,MCHD-21	2010	Aquatic Life		Medium
12	02030104070030-01	Big Brook	Phosphorus (Total)	01407320,MCHD-21	2002	Aquatic Life		Medium
01	02040104140010-01	Big Flat Brook (above Forked Brook)	PCB in Fish Tissue	Saw Mill Lake	2014	Fish Consumption	L	Low
01	02040104140040-01	Big Flat Brook (Confluence to Kittle Rd)	Arsenic	01439830	2012	Water Supply		Low
01	02040104140040-01	Big Flat Brook (Confluence to Kittle Rd)	Temperature, water	01439830	2012	Aquatic Life - Trout		Medium
18	02040202120080-01	Big Timber Creek (below NB/SB confl)	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
18	02040202120010-01	Big Timber Creek NB (above Laurel Rd)	Arsenic	01467359	2012	Water Supply		Low
18	02040202120010-01	Big Timber Creek NB (above Laurel Rd)	Phosphorus (Total)	01467359	2002	Aquatic Life		Medium
18	02040202120020-01	Big Timber Creek NB (below Laurel Rd)	Arsenic	01467359	2012	Water Supply		Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
18	02040202120020-01	Big Timber Creek NB (below Laurel Rd)	Phosphorus (Total)	01467359	2002	Aquatic Life		Medium
18	02040202120050-01	Big Timber Creek SB (below Bull Run)	PCB in Fish Tissue	Big Timber Creek,Delaware River Tribs to Head of T	2006	Fish Consumption	L	Low
18	02040202120050-01	Big Timber Creek SB (below Bull Run)	Phosphorus (Total)	01467331	2002	Aquatic Life		Medium
18	02040202120040-01	Big Timber Creek SB (incl Bull Run to LakelandRd)	Arsenic	01467329,18-big-1	2006	Water Supply		Low
18	02040202150070-01	Birch Creek	PCB in Fish Tissue	Raccoon Creek	2014	Fish Consumption	L	Low
19	02040202030080-01	Bisphams Mill Creek (below McDonalds Br)	Phosphorus (Total)	Lebanon Lake	2014	Aquatic Life		Medium
06	02030103010060-01	Black Brook (Great Swamp NWR)	Arsenic	01378855,01378895	2012	Water Supply		Low
06	02030103010060-01	Black Brook (Great Swamp NWR)	Oxygen, Dissolved	01378895,BB2	2008	Aquatic Life		Medium
06	02030103010060-01	Black Brook (Great Swamp NWR)	Total Dissolved Solids (TDS)	GSWA BB2	2008	Water Supply		Medium
02	02020007040010-01	Black Creek (above/incl G.Gorge Resort trib)	Phosphorus (Total)	Wallkill F	2014	Aquatic LIfe, Aquatic Life - Trout		Medium
02	02020007040020-01	Black Creek (below G. Gorge Resort trib)	Arsenic	01368950	2012	Water Supply		Low
02	02020007040020-01	Black Creek (below G. Gorge Resort trib)	Oxygen, Dissolved	01368950,Wallkill G	2006	Aquatic Life		Medium
13	02040301070050-01	Blacks Branch (above 74d22m05s)	Cause Unknown	AN0529	2012	Aquatic Life		Low
13	02040301070050-01	Blacks Branch (above 74d22m05s)	Escherichia coli	AN0529	2014	Recreation		Medium
20	02040201080030-01	Blacks Creek (below Bacons Run)	Escherichia coli	01464532	2008	Recreation		Medium
20	02040201080030-01	Blacks Creek (below Bacons Run)	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
20	02040201080030-01	Blacks Creek (below Bacons Run)	Phosphorus (Total)	01464532	2006	Aquatic Life		Medium
20	02040201080030-01	Blacks Creek (below Bacons Run)	Total Suspended Solids (TSS)	01464532	2006	Aquatic Life		Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
17	02040206140040-01	Blackwater Branch (above/incl Pine Br)	Arsenic	01411495	2012	Water Supply		Low
17	02040206140040-01	Blackwater Branch (above/incl Pine Br)	Mercury in Water Column	01411495	2008	Water Supply		Low
17	02040206140050-01	Blackwater Branch (below Pine Branch)	Arsenic	01411495	2012	Water Supply		Low
17	02040206140050-01	Blackwater Branch (below Pine Branch)	Mercury in Water Column	01411495	2008	Water Supply		Low
01	02040105050020-01	Blair Creek	Temperature, water	AN0027	2014	Aquatic Life - Trout		Medium
14	02040301160100-01	Blue Anchor Brook	pH	0140940950,NBLSPRNG ,Anchor Lake One	2002	Aquatic Life		Medium
19	02040202070010-01	Bobbys Run	Cause Unknown	AN0171A	2008	Aquatic Life		Low
19	02040202070010-01	Bobbys Run	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
09	02030105120100-01	Bound Brook (below fork at 74d 25m 15s)	Dioxin (including 2,3,7,8-TCDD)	Bound Bk at New Market Pond,New Market Pond	2008	Fish Consumption		Low
09	02030105120100-01	Bound Brook (below fork at 74d 25m 15s)	PCB in Fish Tissue	New Market Pond,Bound Brook	2006	Fish Consumption	L	Low
09	02030105120100-01	Bound Brook (below fork at 74d 25m 15s)	Phosphorus (Total)	01403385	2002	Aquatic Life		Medium
12	02030104080030-01	Branchport Creek	DDT and its metabolites in Fish Tissue	Shrewsbury River at Oceanport	2006	Fish Consumption	L	Low
12	02030104080030-01	Branchport Creek	Mercury in Fish Tissue	Shrewsbury River at Oceanport	2006	Fish Consumption		Low
12	02030104080030-01	Branchport Creek	Oxygen, Dissolved	MCHD-45,MCHD-47,1135B	2006	Aquatic Life		Medium
12	02030104080030-01	Branchport Creek	PCB in Fish Tissue	Shrewsbury River at Oceanport	2006	Fish Consumption	L	Low
17	02040206100020-01	Bridges Sticks Creek / Ogden Creek	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
17	02040206100020-01	Bridges Sticks Creek / Ogden Creek	Total Coliform	Shellfish Network	2014	Shellfish		Medium
01	02040105110020-01	Buckhorn Creek (incl UDRV)	Temperature, water	BFBM000182	2014	Aquatic Life - Trout		Medium
17	02040206170050-01	Buckshutem Creek (below Rt 555)	Arsenic	01411955	2012	Water Supply	A	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
17	02040206170050-01	Buckshutem Creek (below Rt 555)	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
17	02040206170050-01	Buckshutem Creek (below Rt 555)	Phosphorus (Total)	Laurel Lake	2014	Aquatic Life		Medium
17	02040206140020-01	Burnt Mill Branch / Hudson Branch	Arsenic	01411483,17-hud-1	2004	Water Supply		Low
17	02040206140020-01	Burnt Mill Branch / Hudson Branch	pH	01411483	2010	Aquatic Life		Medium
19	02040202050010-01	Burrs Mill Bk (above 39d51m30s road)	Arsenic	01465808	2008	Water Supply		Low
19	02040202050010-01	Burrs Mill Bk (above 39d51m30s road)	Oxygen, Dissolved	01465808	2006	Aquatic Life	R	Medium
19	02040202050020-01	Burrs Mill Bk (Burnt Br Br- 39-51-30 rd)	Arsenic	01465808	2008	Water Supply		Low
19	02040202050020-01	Burrs Mill Bk (Burnt Br Br- 39-51-30 rd)	Oxygen, Dissolved	01465808	2006	Aquatic Life	R	Medium
19	02040202050030-01	Burrs Mill Bk (BurrsMill to Burnt Br Br)	Arsenic	01465808	2008	Water Supply		Low
19	02040202050030-01	Burrs Mill Bk (BurrsMill to Burnt Br Br)	Oxygen, Dissolved	01465808	2006	Aquatic Life	R	Medium
06	02030103010140-01	Canoe Brook	Arsenic	01379525	2012	Water Supply		Low
06	02030103010140-01	Canoe Brook	Total Dissolved Solids (TDS)	01379525,01379530	2012	Water Supply		Medium
17	02040206070040-01	Canton Drain (below Maskell Mill)	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
17	02040206070040-01	Canton Drain (below Maskell Mill)	Total Coliform	Shellfish Network	2014	Shellfish		Medium
16	02040302080040-01	Cape May Bays (Reubens Wharf-BigElderCk)	Oxygen, Dissolved	3215A,3214B,3201,3127C	2010	Aquatic Life		Medium
16	02040302080070-01	Cape May Bays (Rt 47 to Reubens Wharf)	Oxygen, Dissolved	3307N,3409H,3509B,3504A,3307B,3411E,3312	2010	Aquatic Life		Medium
16	02040302080050-01	Cape May Courthouse tribs	Cause Unknown	WACROOK2	2014	Aquatic Life		Low
16	02040302080090-01	Cape May Harbor & Bays (below Rt 47)	Oxygen, Dissolved	3516C,3617A	2010	Aquatic Life		Medium
17	02040206100040-01	Cedar Creek (above Rt 553)	Arsenic	01412250	2012	Water Supply	A	Low
17	02040206100040-01	Cedar Creek (above Rt 553)	Mercury in Fish Tissue	Cedar Lake	2008	Fish Consumption		Low
17	02040206100040-01	Cedar Creek (above Rt 553)	Phosphorus (Total)	Lummis Lake	2014	Aquatic Life		Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
17	02040206100040-01	Cedar Creek (above Rt 553)	Turbidity	01412250	2012	Aquatic Life		Medium
17	02040206100050-01	Cedar Creek (below Rt 553)	PCB in Fish Tissue	Delaware Bay Tribs	2008	Fish Consumption	L	Low
17	02040206100050-01	Cedar Creek (below Rt 553)	Turbidity	01412250	2012	Aquatic Life		Medium
13	02040301130040-01	Cedar Run	Arsenic	01409255	2012	Water Supply	A	Low
13	02040301130040-01	Cedar Run	Cause Unknown	AN0556	2014	Aquatic Life		Low
08	02030105070020-01	Chambers Brook	Cause Unknown	AN0372,AN0373	2006	Aquatic Life		Low
12	02030104060010-01	Cheesequake Creek / Whale Creek	Chlordane in Fish Tissue	HEP	2006	Fish Consumption	L	Low
12	02030104060010-01	Cheesequake Creek / Whale Creek	DDT and its metabolites in Fish Tissue	HEP	2006	Fish Consumption	L	Low
12	02030104060010-01	Cheesequake Creek / Whale Creek	Mercury in Fish Tissue	HEP	2006	Fish Consumption		Low
12	02030104060010-01	Cheesequake Creek / Whale Creek	PCB in Fish Tissue	HEP	2006	Fish Consumption	L	Low
12	02030104060010-01	Cheesequake Creek / Whale Creek	Total Coliform	Shellfish Network	2014	Shellfish		Medium
18	02040202130030-01	Chestnut Branch (above Sewell)	Phosphorus (Total)	Alcyon Lake	2008	Aquatic Life		Medium
12	02030104060040-01	Chingarora Creek to Thorns Creek	Chlordane in Fish Tissue	HEP	2006	Fish Consumption	L	Low
12	02030104060040-01	Chingarora Creek to Thorns Creek	DDT and its metabolites in Fish Tissue	HEP	2006	Fish Consumption	L	Low
12	02030104060040-01	Chingarora Creek to Thorns Creek	Enterococcus	36	2008	Recreation		Medium
12	02030104060040-01	Chingarora Creek to Thorns Creek	Mercury in Fish Tissue	HEP	2006	Fish Consumption		Low
12	02030104060040-01	Chingarora Creek to Thorns Creek	Oxygen, Dissolved	MCHD-36	2014	Aquatic Life		Medium
12	02030104060040-01	Chingarora Creek to Thorns Creek	PCB in Fish Tissue	HEP	2006	Fish Consumption	L	Low
12	02030104060040-01	Chingarora Creek to Thorns Creek	Total Coliform	Shellfish Network	2014	Shellfish		Medium
14	02040301160090-01	Clark Branch (above/incl Price Branch)	Oxygen, Dissolved	0140940480	2014	Aquatic Life		Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
03	02030103050040-01	Clinton Reservior/Mossmans Brook	Arsenic	01382280	2012	Water Supply		Low
03	02030103050040-01	Clinton Reservior/Mossmans Brook	Temperature, water	AN0260	2012	Aquatic Life - Trout		Medium
01	02040104090020-01	Clove Brook (Delaware R)	Cause Unknown	AN0002	2014	Aquatic Life		Low
01	02040104090020-01	Clove Brook (Delaware R)	PCB in Fish Tissue	Steenykill Lake,Montague Lake	2012	Fish Consumption	L	Low
02	02020007020060-01	Clove Brook (Papakating Ck)	Escherichia coli	01367880	2006	Recreation		Medium
02	02020007020060-01	Clove Brook (Papakating Ck)	Temperature, water	AN0308	2006	Aquatic Life - Trout		Medium
17	02040206090060-01	Cohansey R (75d15m to/incl Rocaps Run)	Oxygen, Dissolved	R47	2014	Aquatic Life		Medium
17	02040206090060-01	Cohansey R (75d15m to/incl Rocaps Run)	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
17	02040206090070-01	Cohansey R (75d17m50s to 75d15m)	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
17	02040206090100-01	Cohansey R (below Greenwich)	Chlordane in Fish Tissue	Cohansey River at Greenwich	2006	Fish Consumption	L	Low
17	02040206090100-01	Cohansey R (below Greenwich)	DDT and its metabolites in Fish Tissue	Cohansey River at Greenwich	2006	Fish Consumption	L	Low
17	02040206090100-01	Cohansey R (below Greenwich)	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
17	02040206090080-01	Cohansey R (Greenwich to 75d17m50s)	Chlordane in Fish Tissue	Cohansey River at Greenwich	2006	Fish Consumption	L	Low
17	02040206090080-01	Cohansey R (Greenwich to 75d17m50s)	DDT and its metabolites in Fish Tissue	Cohansey River at Greenwich	2006	Fish Consumption	L	Low
17	02040206090080-01	Cohansey R (Greenwich to 75d17m50s)	Mercury in Fish Tissue	Cohansey River at Greenwich	2006	Fish Consumption		Low
17	02040206090080-01	Cohansey R (Greenwich to 75d17m50s)	PCB in Fish Tissue	Cohansey River at Greenwich	2008	Fish Consumption	L	Low
17	02040206090030-01	Cohansey R (Rocaps Run to Cornwell Run)	Oxygen, Dissolved	R47	2012	Aquatic Life		Medium
17	02040206090030-01	Cohansey R (Rocaps Run to Cornwell Run)	PCB in Fish Tissue	Delaware Bay Tribs	2008	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
15	02040302040050-01	Collings Lakes trib (Hospitality Branch)	pH	HMAPINEY,HMAUNEXS, HMAALBER,HMABLUEA	2006	Aquatic Life		Medium
17	02040206060010-01	Cool Run	Cause Unknown	AN0700	2014	Aquatic Life		Low
18	02040202110030-01	Cooper River (above Evesham Road)	Arsenic	01467150,18-co-4	2006	Water Supply		Low
18	02040202110030-01	Cooper River (above Evesham Road)	Chlordane in Fish Tissue	Kirkwood Lake,Linden Lake	2012	Fish Consumption	L	Low
18	02040202110030-01	Cooper River (above Evesham Road)	DDT and its metabolites in Fish Tissue	Kirkwood Lake,Linden Lake	2006	Fish Consumption	L	Low
18	02040202110030-01	Cooper River (above Evesham Road)	Lead	01467150,18-co-4	2007	Water Supply		Low
18	02040202110030-01	Cooper River (above Evesham Road)	PCB in Fish Tissue	Kirkwood Lake,Linden Lake	2008	Fish Consumption	L	Low
18	02040202110030-01	Cooper River (above Evesham Road)	Tetrachloroethylene	01467150,18-co-4	1998	Water Supply		Low
18	02040202110030-01	Cooper River (above Evesham Road)	Trichloroethylene	01467150,18-co-4	1998	Water Supply		Low
18	02040202110060-01	Cooper River (below Rt 130)	Arsenic	01467190,18-co-1	2006	Water Supply		Low
18	02040202110060-01	Cooper River (below Rt 130)	DDT and its metabolites in Fish Tissue	Cooper River (Hwy. 130)	2006	Fish Consumption	L	Low
18	02040202110060-01	Cooper River (below Rt 130)	Escherichia coli	Cooper River near Mouth,Cooper River at Cuthbert Blvd	2012	Recreation		Medium
18	02040202110060-01	Cooper River (below Rt 130)	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
18	02040202110060-01	Cooper River (below Rt 130)	Tetrachloroethylene	01467190,18-co-1	1998	Water Supply		Low
18	02040202110060-01	Cooper River (below Rt 130)	Trichloroethylene	01467190,18-co-1	1998	Water Supply		Low
18	02040202110050-01	Cooper River (Rt 130 to Wallworth gage)	Arsenic	01467150,18-co-1,18-co-4	1998	Water Supply		Low
18	02040202110050-01	Cooper River (Rt 130 to Wallworth gage)	Chlordane in Fish Tissue	Cooper River at mouth of Evans Pond	2008	Fish Consumption	L	Low
18	02040202110050-01	Cooper River (Rt 130 to Wallworth gage)	DDT and its metabolites in Fish Tissue	Cooper River at mouth of Evans Pond	2006	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
18	02040202110050-01	Cooper River (Rt 130 to Wallworth gage)	Escherichia coli	Cooper River near Mouth,Cooper River at Cuthbert Blvd	2010	Recreation		Medium
18	02040202110050-01	Cooper River (Rt 130 to Wallworth gage)	Lead	01467150,18-co-4	2007	Water Supply		Low
18	02040202110050-01	Cooper River (Rt 130 to Wallworth gage)	PCB in Fish Tissue	Cooper River Park Lake,Cooper River at mouth of Evans Pond	2006	Fish Consumption	L	Low
18	02040202110050-01	Cooper River (Rt 130 to Wallworth gage)	pH	Cooper River Lake	2008	Aquatic Life		Medium
18	02040202110050-01	Cooper River (Rt 130 to Wallworth gage)	Tetrachloroethylene	01467190,18-co-1	1998	Water Supply		Low
18	02040202110050-01	Cooper River (Rt 130 to Wallworth gage)	Trichloroethylene	01467190,18-co-1	1998	Water Supply		Low
18	02040202110040-01	Cooper River (Wallworth gage to Evesham Rd)	Arsenic	01467150,18-co-4	1998	Water Supply		Low
18	02040202110040-01	Cooper River (Wallworth gage to Evesham Rd)	Chlordane in Fish Tissue	Evans Pond,Cooper River at mouth of Evans Pond	2008	Fish Consumption	L	Low
18	02040202110040-01	Cooper River (Wallworth gage to Evesham Rd)	DDT and its metabolites in Fish Tissue	Evans Pond,Cooper River at mouth of Evans Pond	2006	Fish Consumption	L	Low
18	02040202110040-01	Cooper River (Wallworth gage to Evesham Rd)	Lead	01467150,18-co-4	2007	Water Supply		Low
18	02040202110040-01	Cooper River (Wallworth gage to Evesham Rd)	PCB in Fish Tissue	Evans Pond,Cooper River at mouth of Evans Pond	2006	Fish Consumption	L	Low
18	02040202110040-01	Cooper River (Wallworth gage to Evesham Rd)	Tetrachloroethylene	01467150,18-co-4	1998	Water Supply		Low
18	02040202110040-01	Cooper River (Wallworth gage to Evesham Rd)	Trichloroethylene	01467150,18-co-4	1998	Water Supply		Low
18	02040202110010-01	Cooper River NB (above Springdale Road)	Arsenic	01467155,18-co-2	2004	Water Supply		Low
18	02040202110010-01	Cooper River NB (above Springdale Road)	DDT and its metabolites in Fish Tissue	Cooper River	2006	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
18	02040202110010-01	Cooper River NB (above Springdale Road)	Oxygen, Dissolved	01467155	2008	Aquatic Life	R	Medium
18	02040202110010-01	Cooper River NB (above Springdale Road)	PCB in Fish Tissue	Cooper River	2006	Fish Consumption	L	Low
18	02040202110020-01	Cooper River NB (below Springdale Road)	Arsenic	01467181	2006	Water Supply	A	Low
18	02040202110020-01	Cooper River NB (below Springdale Road)	DDT and its metabolites in Fish Tissue	Cooper River	2006	Fish Consumption	L	Low
18	02040202110020-01	Cooper River NB (below Springdale Road)	PCB in Fish Tissue	Cooper River	2006	Fish Consumption	L	Low
16	02040302080020-01	Corson Inlet & Sound / Ludlam Bay	Oxygen, Dissolved	3103A,3105A,3115,3122A	2010	Aquatic Life		Medium
16	02040206230060-01	Cox Hall Creek / Mickels Run (to Villas)	Arsenic	01411397	2014	Water Supply		Low
16	02040206230060-01	Cox Hall Creek / Mickels Run (to Villas)	Oxygen, Dissolved	01411397	2006	Aquatic Life		Medium
16	02040206230060-01	Cox Hall Creek / Mickels Run (to Villas)	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
16	02040206230060-01	Cox Hall Creek / Mickels Run (to Villas)	Turbidity	01411397	2010	Aquatic Life		Medium
20	02040201090010-01	Crafts Creek (above Rt 206)	Escherichia coli	BFBM000021	2012	Recreation		Medium
20	02040201090010-01	Crafts Creek (above Rt 206)	Phosphorus (Total)	01464537	2006	Aquatic Life		Medium
20	02040201090020-01	Crafts Creek (below Rt 206)	Arsenic	01464540	2008	Water Supply		Low
20	02040201090020-01	Crafts Creek (below Rt 206)	Cause Unknown	AN0137	2012	Aquatic Life		Low
20	02040201090020-01	Crafts Creek (below Rt 206)	Escherichia coli	BFBM000002	2012	Recreation		Medium
20	02040201090020-01	Crafts Creek (below Rt 206)	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
01	02040105150060-01	Cranberry Lake / Jefferson Lake & tribs	PCB in Fish Tissue	Cranberry Lake	2012	Fish Consumption	L	Low
08	02030105100090-01	Cranbury Brook (below NJ Turnpike)	Oxygen, Dissolved	UMR3	2014	Aquatic Life		High
08	02030105100090-01	Cranbury Brook (below NJ Turnpike)	Phosphorus (Total)	CB1PPi	2014	Aquatic Life		High
16	02040302080010-01	Crook Horn Creek (above Devils Island)	Oxygen, Dissolved	3101A,3007A	2006	Aquatic Life		Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
20	02040201070020-01	Crosswicks Ck (below Doctors Creek)	Arsenic	0146452360	2008	Water Supply		Low
20	02040201070020-01	Crosswicks Ck (below Doctors Creek)	Escherichia coli	BFBM000057	2012	Recreation		Medium
20	02040201070020-01	Crosswicks Ck (below Doctors Creek)	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
20	02040201070020-01	Crosswicks Ck (below Doctors Creek)	Phosphorus (Total)	01464523	2006	Aquatic Life		Medium
20	02040201070020-01	Crosswicks Ck (below Doctors Creek)	Total Suspended Solids (TSS)	0146452360	2006	Aquatic Life		Medium
20	02040201050070-01	Crosswicks Ck (Doctors Ck-Ellisdale trib)	Arsenic	01464504,20-cro-2	2006	Water Supply		Low
20	02040201050070-01	Crosswicks Ck (Doctors Ck-Ellisdale trib)	Mercury in Fish Tissue	20-cro-2	2006	Fish Consumption		Low
20	02040201050070-01	Crosswicks Ck (Doctors Ck-Ellisdale trib)	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
20	02040201050070-01	Crosswicks Ck (Doctors Ck-Ellisdale trib)	Phosphorus (Total)	01464504	2002	Aquatic Life		Medium
20	02040201050070-01	Crosswicks Ck (Doctors Ck-Ellisdale trib)	Turbidity	01464504	2006	Aquatic Life		Medium
20	02040201050050-01	Crosswicks Ck (Ellisdale trib - Walnford)	Arsenic	01464485,01464500,20-cro-1	2006	Water Supply		Low
20	02040201050050-01	Crosswicks Ck (Ellisdale trib - Walnford)	Lead	01464500,20-cro-1	2012	Water Supply		Low
20	02040201050050-01	Crosswicks Ck (Ellisdale trib - Walnford)	Phosphorus (Total)	01464500,01464485,MCHD-2	2002	Aquatic Life		Medium
20	02040201050030-01	Crosswicks Ck (Lahaway Ck to New Egypt)	Arsenic	01464400,01464430	2012	Water Supply		Low
20	02040201050030-01	Crosswicks Ck (Lahaway Ck to New Egypt)	Phosphorus (Total)	01464430,01464400	2006	Aquatic Life		Medium
20	02040201040070-01	Crosswicks Ck (NewEgypt to/incl NorthRun)	Arsenic	01464380,01464400	2008	Water Supply		Low
20	02040201040070-01	Crosswicks Ck (NewEgypt to/incl NorthRun)	Phosphorus (Total)	01464400,01464380,Oakford Lake	2006	Aquatic Life		Medium
20	02040201050040-01	Crosswicks Ck (Walnford to Lahaway Ck)	Arsenic	01464460,01464485	2006	Water Supply	A	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
20	02040201050040-01	Crosswicks Ck (Walnford to Lahaway Ck)	Phosphorus (Total)	01464460,01464485,MCHD-2	2006	Aquatic Life		Medium
10	02030105110090-01	Cruser Brook / Roaring Brook	Cause Unknown	AN0403	2012	Aquatic Life		Low
10	02030105110090-01	Cruser Brook / Roaring Brook	Escherichia coli	BFBM000037	2012	Recreation		Medium
03	02030103100060-01	Crystal Lake/Pond Brook	pH	Crystal Lake	2010	Aquatic Life		Medium
09	02030105120070-01	Cuckels Brook	Cause Unknown	AN0415	2008	Aquatic Life		Low
01	02040105040010-01	Culvers Creek	Escherichia coli	BFBM000126	2014	Recreation		Medium
01	02040105040010-01	Culvers Creek	Temperature, water	01443395	2014	Aquatic Life - Trout		Medium
13	02040301080040-01	Davenport Branch (below Pinewald Road)	Escherichia coli	AN0541	2014	Recreation		Medium
06	02030103010100-01	Dead River (below Harrisons Brook)	Oxygen, Dissolved	DR1	2010	Aquatic Life		Medium
12	02030104090030-01	Deal Lake	Chlordane in Fish Tissue	Deal Lake	2010	Fish Consumption	L	Low
12	02030104090030-01	Deal Lake	DDT and its metabolites in Fish Tissue	Deal Lake	2010	Fish Consumption	L	Low
12	02030104090030-01	Deal Lake	PCB in Fish Tissue	Deal Lake	2010	Fish Consumption	L	Low
12	02030104090030-01	Deal Lake	pH	MCHD-1	2008	Aquatic Life		Medium
09	02030105160010-01	Deep Run (above Monmouth Co line)	Escherichia coli	MCHD-90	2014	Recreation		Medium
09	02030105160010-01	Deep Run (above Monmouth Co line)	Oxygen, Dissolved	01406040	2008	Aquatic Life		Medium
17	02040206060040-01	Deep Run (Alloway)	Arsenic	01483010	2008	Water Supply	A	Low
09	02030105160040-01	Deep Run (below Rt 9)	Arsenic	01406040	2012	Water Supply		Low
09	02030105160040-01	Deep Run (below Rt 9)	Escherichia coli	BFBM000004	2012	Recreation		Medium
09	02030105160040-01	Deep Run (below Rt 9)	Oxygen, Dissolved	01406040	2008	Aquatic Life		Medium
09	02030105160040-01	Deep Run (below Rt 9)	pH	01406040	2014	Aquatic Life		Medium
15	02040302040120-01	Deep Run (GEHR)	Arsenic	01411140	2012	Water Supply	A	Low
15	02040302040120-01	Deep Run (GEHR)	pH	01411140,MDEPANCS,MDEEPR54,Pancoast Mill Pond	2006	Aquatic Life		Medium
09	02030105160020-01	Deep Run (Rt 9 to Monmouth Co line)	Oxygen, Dissolved	01406040	2008	Aquatic Life		Medium
04	02030103120060-01	Deepavaal Brook	Cause Unknown	AN0271,FIBI044	2006	Aquatic Life		Low
01	02040105060020-01	Delawanna Creek (incl UDRV)	Arsenic	01444520	2012	Water Supply		Low
01	02040105060020-01	Delawanna Creek (incl UDRV)	PCB in Fish Tissue	Delaware Lake	2012	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
01	02040105060020-01	Delawanna Creek (incl UDRV)	pH	Delaware Lake	2010	Aquatic LIfe, Aquatic Life - Trout		Medium
01	02040105060020-01	Delawanna Creek (incl UDRV)	Temperature, water	01444520,AN0033	2012	Aquatic Life - Trout		Medium
17	Delaware River 6	Delaware Bay Zone 6 (New Jersey portion)	Copper	DRBC	2014	Aquatic Life		Low
17	Delaware River 6	Delaware Bay Zone 6 (New Jersey portion)	DDT and its metabolites in Fish Tissue	Delaware Bay	2010	Fish Consumption	L	Low
17	Delaware River 6	Delaware Bay Zone 6 (New Jersey portion)	Mercury in Fish Tissue	Delaware Bay	2010	Fish Consumption		Low
17	Delaware River 6	Delaware Bay Zone 6 (New Jersey portion)	Oxygen, Dissolved	3826A,3888,3827,3895E	2014	Aquatic Life		Medium
17	Delaware River 6	Delaware Bay Zone 6 (New Jersey portion)	pH	DRBC	2014	Aquatic Life		Medium
17	Delaware River 6	Delaware Bay Zone 6 (New Jersey portion)	Turbidity	DRBC	2014	Aquatic Life		Medium
01	Delaware River 2	Delaware River 1C	DDT and its metabolites in Fish Tissue	Delaware River (DRBC)	2006	Fish Consumption	L	Low
01	Delaware River 2	Delaware River 1C	Mercury in Fish Tissue	Delaware River (DRBC)	2006	Fish Consumption		Low
01	Delaware River 2	Delaware River 1C	PCB in Fish Tissue	Delaware River (DRBC)	2008	Fish Consumption	L	Low
01	Delaware River 2	Delaware River 1C	pH	DRBC	2014	Aquatic Life		Medium
01	Delaware River 8	Delaware River 1D	Aluminum	DRBC	2014	Aquatic Life		Low
01	Delaware River 8	Delaware River 1D	DDT and its metabolites in Fish Tissue	Delaware River (DRBC)	2006	Fish Consumption	L	Low
01	Delaware River 8	Delaware River 1D	Mercury in Fish Tissue	Delaware River (DRBC)	2006	Fish Consumption		Low
01	Delaware River 8	Delaware River 1D	PCB in Fish Tissue	Delaware River (DRBC)	2008	Fish Consumption	L	Low
01	Delaware River 8	Delaware River 1D	pH	DRBC	2014	Aquatic Life		Medium
11	Delaware River 14	Delaware River 1E	DDT and its metabolites in Fish Tissue	Delaware River (DRBC)	2006	Fish Consumption	L	Low
11	Delaware River 14	Delaware River 1E	Mercury in Fish Tissue	Delaware River (DRBC)	2006	Fish Consumption		Low
11	Delaware River 14	Delaware River 1E	PCB in Fish Tissue	Delaware River (DRBC)	2006	Fish Consumption	L	Low
11	Delaware River 14	Delaware River 1E	pH	DRBC	2008	Aquatic Life		Medium
11	Delaware River 14	Delaware River 1E	Turbidity	DRBC	2014	Aquatic Life		Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
20	Delaware River 15	Delaware River 2	DDT and its metabolites in Fish Tissue	Delaware River (DRBC)	2006	Fish Consumption	L	Low
20	Delaware River 15	Delaware River 2	Escherichia coli	DRBC	2014	Recreation		Medium
20	Delaware River 15	Delaware River 2	Mercury in Fish Tissue	Delaware River (DRBC)	2006	Fish Consumption		Low
20	Delaware River 15	Delaware River 2	Oxygen, Dissolved	DRBC	2014	Aquatic Life		Medium
20	Delaware River 15	Delaware River 2	pH	DRBC	2014	Aquatic Life		Medium
20	Delaware River 15	Delaware River 2	Temperature, water	DRBC	2014	Aquatic Life		Medium
20	Delaware River 15	Delaware River 2	Turbidity	DRBC	2014	Aquatic Life		Medium
18	Delaware River 16	Delaware River 3	DDT and its metabolites in Fish Tissue	Delaware River (DRBC)	2006	Fish Consumption	L	Low
18	Delaware River 16	Delaware River 3	Mercury in Fish Tissue	Delaware River (DRBC)	2006	Fish Consumption		Low
18	Delaware River 16	Delaware River 3	Temperature, water	DRBC	2014	Aquatic Life		Medium
18	Delaware River 16	Delaware River 3	Turbidity	DRBC	2014	Aquatic Life		Medium
18	Delaware River 17	Delaware River 4	Aluminum	DRBC	2014	Aquatic Life		Low
18	Delaware River 17	Delaware River 4	DDT and its metabolites in Fish Tissue	Delaware River (DRBC)	2006	Fish Consumption	L	Low
18	Delaware River 17	Delaware River 4	Mercury in Fish Tissue	Delaware River (DRBC)	2006	Fish Consumption		Low
18	Delaware River 17	Delaware River 4	Temperature, water	DRBC	2014	Aquatic Life		Medium
17	Delaware River 18	Delaware River 5	Copper	DRBC	2014	Aquatic Life		Low
17	Delaware River 18	Delaware River 5	DDT and its metabolites in Fish Tissue	Delaware River (DRBC)	2006	Fish Consumption	L	Low
17	Delaware River 18	Delaware River 5	Mercury in Fish Tissue	Delaware River (DRBC)	2006	Fish Consumption		Low
17	Delaware River 18	Delaware River 5	Oxygen, Dissolved	DRBC	2014	Aquatic Life		Medium
17	Delaware River 18	Delaware River 5	Temperature, water	DRBC	2014	Aquatic Life		Medium
17	Delaware River 18	Delaware River 5	Turbidity	DRBC	2014	Aquatic Life		Medium
06	02030103030120-01	Den Brook	Arsenic	01380125	2012	Water Supply		Low
06	02030103030120-01	Den Brook	Cause Unknown	AN0247	2012	Aquatic Life		Low
16	02040206220010-01	Dennis Ck / Cedar Swamp (Rt 47 to Rt 550)	Oxygen, Dissolved	R38	2004	Aquatic Life		Medium
16	02040206220010-01	Dennis Ck / Cedar Swamp (Rt 47 to Rt 550)	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
16	02040206220040-01	Dennis Creek (below Jakes Landing Rd)	Oxygen, Dissolved	01411440	2006	Aquatic Life		Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
16	02040206220040-01	Dennis Creek (below Jakes Landing Rd)	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
16	02040206220030-01	Dennis Creek (Jakes Landing Rd to Rt 47)	Arsenic	01411438	2012	Water Supply	A	Low
16	02040206220030-01	Dennis Creek (Jakes Landing Rd to Rt 47)	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
10	02030105100110-01	Devils Brook	Arsenic	01400823	2012	Water Supply		Low
10	02030105100110-01	Devils Brook	Escherichia coli	01400823	2010	Recreation		Medium
10	02030105100110-01	Devils Brook	Oxygen, Dissolved	DB2-GP	2010	Aquatic Life		Medium
10	02030105100110-01	Devils Brook	Phosphorus (Total)	DB3-Gpo	2014	Aquatic Life		High
16	02040206230030-01	Dias Creek	Arsenic	0141140850	2014	Water Supply		Low
16	02040206230030-01	Dias Creek	Oxygen, Dissolved	0141140850	2006	Aquatic Life		Medium
16	02040206230030-01	Dias Creek	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
16	02040206230030-01	Dias Creek	Turbidity	0141140850	2014	Aquatic Life		Medium
17	02040206110050-01	Dividing Creek (above Mill Creek)	Oxygen, Dissolved	R44	2004	Aquatic Life		Medium
17	02040206110050-01	Dividing Creek (above Mill Creek)	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
17	02040206110050-01	Dividing Creek (above Mill Creek)	Total Coliform	Shellfish Network	2014	Shellfish		Medium
17	02040206110060-01	Dividing Creek (below Mill Creek)	Oxygen, Dissolved	R44,3840F,3840D,3840C,3840B,3840E	2006	Aquatic Life		Medium
17	02040206110060-01	Dividing Creek (below Mill Creek)	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
17	02040206110060-01	Dividing Creek (below Mill Creek)	Total Coliform	Shellfish Network	2014	Shellfish		Medium
20	02040201060010-01	Doctors Creek (above 74d28m40s)	Arsenic	01464512	2012	Water Supply		Low
13	02040301060050-01	Dove Mill Branch (Toms River)	Arsenic	01408290	2012	Water Supply	A	Low
13	02040301060050-01	Dove Mill Branch (Toms River)	pH	01408290	2010	Aquatic Life		Medium
08	02030105010010-01	Drakes Brook (above Eyland Ave)	Temperature, water	AN0311	2012	Aquatic Life - Trout		Medium
01	02040105040020-01	Dry Brook	Cause Unknown	AN0019,AN0020	2008	Aquatic Life		Low
20	02040201030010-01	Duck Creek and UDRV to Assunpink Ck	Mercury in Fish Tissue	Delaware River at Crosswicks Creek	2006	Fish Consumption		Low
20	02040201030010-01	Duck Creek and UDRV to Assunpink Ck	PCB in Fish Tissue	Delaware River at Crosswicks Creek	2006	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
10	02030105090080-01	Duck Pond Run	Cause Unknown	AN0394	2008	Aquatic Life		Low
09	02030105160030-01	Duhernal Lake / Iresick Brook	Arsenic	01405470	2012	Water Supply		Low
09	02030105160030-01	Duhernal Lake / Iresick Brook	Oxygen, Dissolved	01405470,MnB2-DL	2010	Aquatic Life		Medium
01	02040104240020-01	Dunnfield Creek (incl UDRV)	Arsenic	01442760	2012	Water Supply		Low
05	02030103170050-01	Dwars Kill	Arsenic	01378400,5-dwa-1	2012	Water Supply		Low
05	02030103170050-01	Dwars Kill	Escherichia coli	01378400	2008	Recreation		Medium
16	02040206210060-01	East Creek	PCB in Fish Tissue	East Creek Lake,Delaware Bay Tribs	2006	Fish Consumption	L	Low
18	02040202130050-01	Edwards Run	Arsenic	01475090	2008	Water Supply		Low
18	02040202130050-01	Edwards Run	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2008	Fish Consumption	L	Low
18	02040202130050-01	Edwards Run	Phosphorus (Total)	01475090	2004	Aquatic Life		Medium
07	02030104020030-01	Elizabeth R (below Elizabeth CORP BDY)	Arsenic	01393440,01393450,7-eli-2	2014	Water Supply		Low
07	02030104020030-01	Elizabeth R (below Elizabeth CORP BDY)	Benzo(a)pyrene (PAHs)	HEP	2007	Fish Consumption		Low
07	02030104020030-01	Elizabeth R (below Elizabeth CORP BDY)	Chlordane in Fish Tissue	HEP	2006	Fish Consumption	L	Low
07	02030104020030-01	Elizabeth R (below Elizabeth CORP BDY)	DDT and its metabolites in Fish Tissue	HEP	2008	Fish Consumption	L	Low
07	02030104020030-01	Elizabeth R (below Elizabeth CORP BDY)	Dieldrin	HEP	2008	Fish Consumption	L	Low
07	02030104020030-01	Elizabeth R (below Elizabeth CORP BDY)	Dioxin (including 2,3,7,8-TCDD)	HEP	2006	Fish Consumption		Low
07	02030104020030-01	Elizabeth R (below Elizabeth CORP BDY)	Heptachlor epoxide	HEP	2008	Fish Consumption	L	Low
07	02030104020030-01	Elizabeth R (below Elizabeth CORP BDY)	Hexachlorobenzene	HEP	2008	Fish Consumption		Low
07	02030104020030-01	Elizabeth R (below Elizabeth CORP BDY)	Lead	01393440,7-eli-2	2008	Water Supply		Low
07	02030104020030-01	Elizabeth R (below Elizabeth CORP BDY)	Mercury in Fish Tissue	HEP	2008	Fish Consumption		Low
07	02030104020030-01	Elizabeth R (below Elizabeth CORP BDY)	PCB in Fish Tissue	HEP	2008	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
07	02030104020030-01	Elizabeth R (below Elizabeth CORP BDY)	pH	NJHDG-20	2014	Aquatic Life		Medium
07	02030104020030-01	Elizabeth R (below Elizabeth CORP BDY)	Phosphorus (Total)	01393440	2010	Aquatic Life		Medium
07	02030104020030-01	Elizabeth R (below Elizabeth CORP BDY)	Total Dissolved Solids (TDS)	01393440	2010	Water Supply		Medium
07	02030104020020-01	Elizabeth R (Elizabeth CORP BDY to I-78)	Arsenic	01393440,01393450,7-eli-2	2014	Water Supply		Low
07	02030104020020-01	Elizabeth R (Elizabeth CORP BDY to I-78)	Lead	01393440,7-eli-2	2007	Water Supply		Low
07	02030104020020-01	Elizabeth R (Elizabeth CORP BDY to I-78)	Phosphorus (Total)	01393350	2002	Aquatic Life		Medium
07	02030104020020-01	Elizabeth R (Elizabeth CORP BDY to I-78)	Total Dissolved Solids (TDS)	01393440	2002	Water Supply		Medium
20	02040201050060-01	Ellisdale trib (Crosswicks Creek)	Cause Unknown	AN0126A	2006	Aquatic Life		Low
15	02040302050090-01	English Ck / Flat Ck / Cranberry Ck	Oxygen, Dissolved	01411258	2006	Aquatic Life		Medium
17	02040206040020-01	Fenwick Creek / Keasbeys Creek	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
11	02040105210050-01	Fiddlers Creek (Jacobs Ck to Moore Ck)	Escherichia coli	BFBM000050	2012	Recreation		Medium
08	02030105030010-01	First Neshanic River	Cause Unknown	AN0330	2008	Aquatic Life		Low
17	02040206070010-01	Fishing Creek / Bucks Ditch / Pattys Fork	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
17	02040206070010-01	Fishing Creek / Bucks Ditch / Pattys Fork	Total Coliform	Shellfish Network	2014	Shellfish		Medium
16	02040206230050-01	Fishing Creek / Fishing Mill Stream	Arsenic	01411400	2014	Water Supply		Low
16	02040206230050-01	Fishing Creek / Fishing Mill Stream	Cause Unknown	AN0771	2008	Aquatic Life		Low
16	02040206230050-01	Fishing Creek / Fishing Mill Stream	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
01	02040104150020-01	Flat Brook (below Tillman Brook)	Escherichia coli	01440000	2014	Recreation		Medium
01	02040104150010-01	Flat Brook (Tillman Brook to Confluence)	Escherichia coli	01440000	2008	Recreation		Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
13	02040301110030-01	Forked River (below NB incl Mid/South Br)	Escherichia coli	BT09	2014	Recreation		Medium
13	02040301110010-01	Forked River NB (above old RR grade)	Oxygen, Dissolved	01409030	2006	Aquatic Life		Medium
17	02040206110020-01	Fortesque Ck / Fishing Ck / Straight Ck	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
13	02040301130010-01	Four Mile Branch (Mill Creek)	Cause Unknown	AN0554	2014	Aquatic Life		Low
02	02020007010030-01	Franklin Pond Creek	Temperature, water	01367693	2014	Aquatic Life - Trout		Medium
19	02040202050050-01	Friendship Creek (below/incl Burrs Mill Bk)	Arsenic	01465835,19-ra-3s	2008	Water Supply		Low
19	02040202050050-01	Friendship Creek (below/incl Burrs Mill Bk)	Escherichia coli	01465835	2008	Recreation		Medium
01	02040105090050-01	Furnace Brook	Arsenic	01445495	2012	Water Supply		Low
01	02040105090050-01	Furnace Brook	Cause Unknown	AN0042	2006	Aquatic Life		Low
01	02040105090050-01	Furnace Brook	Mercury in Fish Tissue	Furnace Lake	2012	Fish Consumption		Low
17	02040206030050-01	Game Creek (above Rt 48)	Phosphorus (Total)	01482560	2002	Aquatic Life		Medium
17	02040206030070-01	Game Creek (below Rt 48)	Oxygen, Dissolved	01482570	2010	Aquatic Life		Medium
17	02040206030070-01	Game Creek (below Rt 48)	Phosphorus (Total)	01482570	2010	Aquatic Life		Medium
19	02040202020010-01	Gaunts Brook / Hartshorne Mill Stream	Arsenic	01465950,01465950,19-ra-1n	2014	Water Supply		Low
19	02040202020010-01	Gaunts Brook / Hartshorne Mill Stream	Copper	01465950,19-ra-1n	2004	Aquatic Life		Low
19	02040202020010-01	Gaunts Brook / Hartshorne Mill Stream	Lead	01465950,19-ra-1n	1998	Water Supply		Low
15	02040302060040-01	GEH Bay/Lakes Bay/Skull Bay/Peck Bay	Oxygen, Dissolved	2507A,2510A,2701B,2712A,LKSBAY,3002A,GEH,2714A	2006	Aquatic Life		Medium
15	02040302040080-01	GEHR (39d32m50s to Hospitality Branch)	Copper	01411110,15-geh-3	1998	Aquatic Life		Low
15	02040302040080-01	GEHR (39d32m50s to Hospitality Branch)	pH	01411110	2006	Aquatic Life		Medium
15	02040302030010-01	GEHR (above New Freedom Rd)	pH	01410784	2002	Aquatic Life		Medium
15	02040302030020-01	GEHR (AC Expressway to New Freedom Rd)	pH	01410784,UGREA536	2002	Aquatic Life		Medium
15	02040302030040-01	GEHR (Broad Lane road to AC Expressway)	Arsenic	01410820	2014	Water Supply		Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
15	02040302030040-01	GEHR (Broad Lane road to AC Expressway)	pH	01410820	2006	Aquatic Life		Medium
15	02040302050140-01	GEHR (GEH Bay to Gibson Ck)	Oxygen, Dissolved	2801A,2804,2812	2010	Aquatic Life		Medium
15	02040302030080-01	GEHR (Hospitality Br to Piney Hollow Rd)	Copper	01411000,15-geh-2	2002	Aquatic Life		Low
15	02040302030080-01	GEHR (Hospitality Br to Piney Hollow Rd)	pH	01411000	2002	Aquatic Life		Medium
15	02040302040130-01	GEHR (Lake Lenape to Mare Run)	Copper	01411110,15-geh-3	1998	Aquatic Life		Low
15	02040302040130-01	GEHR (Lake Lenape to Mare Run)	pH	MGREA616	2002	Aquatic Life		Medium
15	02040302040110-01	GEHR (Mare Run to Rt 322)	Copper	01411110,15-geh-3	1998	Aquatic Life		Low
15	02040302040110-01	GEHR (Mare Run to Rt 322)	pH	01411110	2002	Aquatic Life		Medium
15	02040302030060-01	GEHR (Piney Hollow Rd to Broad Lane rd)	Arsenic	01410820	2012	Water Supply	A	Low
15	02040302030060-01	GEHR (Piney Hollow Rd to Broad Lane rd)	pH	01410820	2002	Aquatic Life		Medium
15	02040302040090-01	GEHR (Rt 322 to 39d32m50s)	Copper	01411110,15-geh-3	1998	Aquatic Life		Low
15	02040302040090-01	GEHR (Rt 322 to 39d32m50s)	pH	01411110,01411105	2002	Aquatic Life		Medium
04	02030103120050-01	Goffle Brook	Cause Unknown	AN0277,AN0277A,FIBI035a	2010	Aquatic Life		Low
04	02030103120050-01	Goffle Brook	Total Dissolved Solids (TDS)	01389850	2006	Water Supply		Medium
15	02040302050050-01	Gravelly Run (above Gravelly Run road)	Arsenic	01411208	2012	Water Supply	A	Low
14	02040301210050-01	Great Bay tribs	Oxygen, Dissolved	1924	2012	Aquatic Life		Medium
06	02030103010030-01	Great Brook (above Green Village Rd)	Cause Unknown	AN0218,AN0219,GSWA GB2,GSWA GB3,GSWA GB4	2008	Aquatic Life		Low
06	02030103010050-01	Great Brook (below Green Village Rd)	Arsenic	01378770	2012	Water Supply		Low
06	02030103010050-01	Great Brook (below Green Village Rd)	Escherichia coli	01378770	2012	Recreation		Medium
06	02030103010050-01	Great Brook (below Green Village Rd)	Oxygen, Dissolved	GSWA GB1	2010	Aquatic Life		Medium
09	02030105130010-01	Great Ditch / Pigeon Swamp	Escherichia coli	BFBM000019	2012	Recreation		Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
14	02040301160120-01	Great Swamp Branch (above Rt 206)	Arsenic	0140941050,01409410700	2012	Water Supply		Low
14	02040301160120-01	Great Swamp Branch (above Rt 206)	Nitrates	0140941070	2002	Aquatic Life		Medium
14	02040301160120-01	Great Swamp Branch (above Rt 206)	Oxygen, Dissolved	0140941050,01409410700	2012	Aquatic Life		Medium
14	02040301160120-01	Great Swamp Branch (above Rt 206)	pH	0140941050,01409410700,NGREAR30	2002	Aquatic Life		Medium
14	02040301160120-01	Great Swamp Branch (above Rt 206)	Temperature, water	0140941050	2008	Aquatic Life		Medium
14	02040301160130-01	Great Swamp Branch (below Rt 206)	Arsenic	0140941070	2012	Water Supply		Low
14	02040301160130-01	Great Swamp Branch (below Rt 206)	Nitrates	0140941070,,0140941075,WAGREA1	2002	Aquatic Life		Medium
14	02040301160130-01	Great Swamp Branch (below Rt 206)	pH	0140941075,01409410700,WAGREA1	2002	Aquatic Life		Medium
09	02030105120010-01	Green Bk (above/incl Blue Brook)	Temperature, water	BFBM000174	2014	Aquatic Life - Trout		Medium
09	02030105120130-01	Green Bk (below Bound Brook)	Oxygen, Dissolved	NJHDG-25	2012	Aquatic Life		Medium
09	02030105120130-01	Green Bk (below Bound Brook)	PCB in Fish Tissue	Bound Brook @ Shepard Rd	2006	Fish Consumption	L	Low
09	02030105120130-01	Green Bk (below Bound Brook)	pH	NJHDG-25	2014	Aquatic Life		Medium
09	02030105120130-01	Green Bk (below Bound Brook)	Phosphorus (Total)	01403900,NJHDG-25	2002	Aquatic Life		Medium
09	02030105120130-01	Green Bk (below Bound Brook)	Total Suspended Solids (TSS)	01403900,NJHDG-25	2006	Aquatic Life		High
09	02030105120040-01	Green Bk (Bound Bk to N Plainfield gage)	pH	01403470	2014	Aquatic Life		Medium
09	02030105120020-01	Green Bk (N Plainfield gage to Blue Bk)	Arsenic	01403470	2012	Water Supply		Low
09	02030105120020-01	Green Bk (N Plainfield gage to Blue Bk)	pH	01403465,01403470	2010	Aquatic Life		Medium
09	02030105120020-01	Green Bk (N Plainfield gage to Blue Bk)	Total Dissolved Solids (TDS)	01403465	2010	Water Supply		Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
17	02040206140030-01	Green Branch / Endless Branch	Arsenic	01411490	2012	Water Supply	A	Low
17	02040206140030-01	Green Branch / Endless Branch	Mercury in Water Column	01411490	2010	Water Supply		Low
16	02040206230040-01	Green Ck (Norburys Landng to Pierces Pt)	Oxygen, Dissolved	01411404	2006	Aquatic Life		Medium
16	02040206230040-01	Green Ck (Norburys Landng to Pierces Pt)	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
16	02040206230040-01	Green Ck (Norburys Landng to Pierces Pt)	Phosphorus (Total)	01411404	2007	Aquatic Life		Medium
16	02040206230040-01	Green Ck (Norburys Landng to Pierces Pt)	Total Dissolved Solids (TDS)	01411404,01411404	2014	Water Supply		Medium
06	02030103030060-01	Green Pond Brook (below Burnt Meadow Bk)	Cause Unknown	AN0242	2006	Aquatic Life		Low
19	02040202030090-01	Greenwood Br (below CountryLk & MM confl)	DDT and its metabolites in Fish Tissue	Mirror Lake,Whitesbog Pond	2010	Fish Consumption	L	Low
19	02040202030090-01	Greenwood Br (below CountryLk & MM confl)	PCB in Fish Tissue	Mirror Lake,Whitesbog Pond	2008	Fish Consumption	L	Low
19	02040202030090-01	Greenwood Br (below CountryLk & MM confl)	pH	01466900	2014	Aquatic Life		Medium
06	02030103020030-01	Greystone / Watnong Mtn tribs	Cause Unknown	AN0234A	2008	Aquatic Life		Low
05	02030103170030-01	Hackensack R (above Old Tappan gage)	Arsenic	01376970,01377000,5-hac-2,5-hac-3	2004	Water Supply		Low
05	02030103170030-01	Hackensack R (above Old Tappan gage)	Mercury in Fish Tissue	Tappan Lake	2008	Fish Consumption		Low
05	02030103170030-01	Hackensack R (above Old Tappan gage)	Oxygen, Dissolved	01377000	2012	Aquatic Life		Medium
05	02030103170030-01	Hackensack R (above Old Tappan gage)	Phosphorus (Total)	01377000	2006	Aquatic Life		Medium
05	02030103180090-01	Hackensack R (Amtrak bridge to Rt 3)	Benzo(a)pyrene (PAHs)	HEP	2007	Fish Consumption		Low
05	02030103180090-01	Hackensack R (Amtrak bridge to Rt 3)	Chlordane in Fish Tissue	HEP	2007	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
05	02030103180090-01	Hackensack R (Amtrak bridge to Rt 3)	DDT and its metabolites in Fish Tissue	HEP	2008	Fish Consumption	L	Low
05	02030103180090-01	Hackensack R (Amtrak bridge to Rt 3)	Dieldrin	HEP	2007	Fish Consumption	L	Low
05	02030103180090-01	Hackensack R (Amtrak bridge to Rt 3)	Dioxin (including 2,3,7,8-TCDD)	HEP	2006	Fish Consumption		Low
05	02030103180090-01	Hackensack R (Amtrak bridge to Rt 3)	Heptachlor epoxide	HEP	2007	Fish Consumption	L	Low
05	02030103180090-01	Hackensack R (Amtrak bridge to Rt 3)	Oxygen, Dissolved	NJHDG-14	2006	Aquatic Life		Medium
05	02030103180090-01	Hackensack R (Amtrak bridge to Rt 3)	PCB in Fish Tissue	HEP	2008	Fish Consumption	L	Low
05	02030103180050-01	Hackensack R (Bellmans Ck to Ft Lee Rd)	Benzo(a)pyrene (PAHs)	HEP	2007	Fish Consumption		Low
05	02030103180050-01	Hackensack R (Bellmans Ck to Ft Lee Rd)	Chlordane in Fish Tissue	HEP	2007	Fish Consumption	L	Low
05	02030103180050-01	Hackensack R (Bellmans Ck to Ft Lee Rd)	DDT and its metabolites in Fish Tissue	HEP	2012	Fish Consumption	L	Low
05	02030103180050-01	Hackensack R (Bellmans Ck to Ft Lee Rd)	Dieldrin	HEP	2008	Fish Consumption	L	Low
05	02030103180050-01	Hackensack R (Bellmans Ck to Ft Lee Rd)	Dioxin (including 2,3,7,8-TCDD)	HEP	2006	Fish Consumption		Low
05	02030103180050-01	Hackensack R (Bellmans Ck to Ft Lee Rd)	Heptachlor epoxide	HEP	2012	Fish Consumption	L	Low
05	02030103180050-01	Hackensack R (Bellmans Ck to Ft Lee Rd)	Mercury in Fish Tissue	HEP	2007	Fish Consumption		Low
05	02030103180050-01	Hackensack R (Bellmans Ck to Ft Lee Rd)	PCB in Fish Tissue	HEP	2006	Fish Consumption	L	Low
05	02030103180100-01	Hackensack R (below Amtrak bridge)	Benzo(a)pyrene (PAHs)	HEP	2007	Fish Consumption		Low
05	02030103180100-01	Hackensack R (below Amtrak bridge)	Chlordane in Fish Tissue	HEP	2007	Fish Consumption	L	Low
05	02030103180100-01	Hackensack R (below Amtrak bridge)	DDT and its metabolites in Fish Tissue	HEP	2008	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
05	02030103180100-01	Hackensack R (below Amtrak bridge)	Dieldrin	HEP	2007	Fish Consumption	L	Low
05	02030103180100-01	Hackensack R (below Amtrak bridge)	Dioxin (including 2,3,7,8-TCDD)	HEP	2006	Fish Consumption		Low
05	02030103180100-01	Hackensack R (below Amtrak bridge)	Heptachlor epoxide	HEP	2007	Fish Consumption	L	Low
05	02030103180100-01	Hackensack R (below Amtrak bridge)	Mercury in Fish Tissue	HEP	2006	Fish Consumption		Low
05	02030103180100-01	Hackensack R (below Amtrak bridge)	Oxygen, Dissolved	NJHDG-15	2006	Aquatic Life		Medium
05	02030103180100-01	Hackensack R (below Amtrak bridge)	PCB in Fish Tissue	HEP	2008	Fish Consumption	L	Low
05	02030103180030-01	Hackensack R (Ft Lee Rd to Oradell gage)	Arsenic	01378500,01378567	2014	Fish Consumption		Low
05	02030103180030-01	Hackensack R (Ft Lee Rd to Oradell gage)	Benzo(a)pyrene (PAHs)	HEP	2008	Fish Consumption		Low
05	02030103180030-01	Hackensack R (Ft Lee Rd to Oradell gage)	Chlordane in Fish Tissue	HEP	2008	Fish Consumption	L	Low
05	02030103180030-01	Hackensack R (Ft Lee Rd to Oradell gage)	DDT and its metabolites in Fish Tissue	HEP	2008	Fish Consumption	L	Low
05	02030103180030-01	Hackensack R (Ft Lee Rd to Oradell gage)	Dieldrin	HEP	2008	Fish Consumption	L	Low
05	02030103180030-01	Hackensack R (Ft Lee Rd to Oradell gage)	Dioxin (including 2,3,7,8-TCDD)	HEP	2006	Fish Consumption		Low
05	02030103180030-01	Hackensack R (Ft Lee Rd to Oradell gage)	Enterococcus	H161	2008	Recreation		Medium
05	02030103180030-01	Hackensack R (Ft Lee Rd to Oradell gage)	Heptachlor epoxide	HEP	2008	Fish Consumption	L	Low
05	02030103180030-01	Hackensack R (Ft Lee Rd to Oradell gage)	Mercury in Fish Tissue	HEP	2006	Fish Consumption		Low
05	02030103180030-01	Hackensack R (Ft Lee Rd to Oradell gage)	PCB in Fish Tissue	HEP	2008	Fish Consumption	L	Low
05	02030103180030-01	Hackensack R (Ft Lee Rd to Oradell gage)	pH	01378567	2012	Aquatic Life		Medium
05	02030103180030-01	Hackensack R (Ft Lee Rd to Oradell gage)	Turbidity	01378567	2008	Aquatic Life		Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
05	02030103170060-01	Hackensack R (Oradell to OldTappan gage)	Arsenic	01378475,01377000,5-dor-1,5-hac-3	2004	Water Supply		Low
05	02030103170060-01	Hackensack R (Oradell to OldTappan gage)	Mercury in Fish Tissue	Oradell Reservoir	2008	Fish Consumption		Low
05	02030103170060-01	Hackensack R (Oradell to OldTappan gage)	Oxygen, Dissolved	01377000,NJHDG-13	2008	Aquatic Life		Medium
05	02030103170060-01	Hackensack R (Oradell to OldTappan gage)	Phosphorus (Total)	01377000,01378475,NJHDG-13	2006	Aquatic Life		Medium
05	02030103180080-01	Hackensack R (Rt 3 to Bellmans Ck)	Benzo(a)pyrene (PAHs)	HEP	2007	Fish Consumption		Low
05	02030103180080-01	Hackensack R (Rt 3 to Bellmans Ck)	Chlordane in Fish Tissue	HEP	2007	Fish Consumption	L	Low
05	02030103180080-01	Hackensack R (Rt 3 to Bellmans Ck)	DDT and its metabolites in Fish Tissue	HEP	2008	Fish Consumption	L	Low
05	02030103180080-01	Hackensack R (Rt 3 to Bellmans Ck)	Dieldrin	HEP	2007	Fish Consumption	L	Low
05	02030103180080-01	Hackensack R (Rt 3 to Bellmans Ck)	Dioxin (including 2,3,7,8-TCDD)	HEP	2006	Fish Consumption		Low
05	02030103180080-01	Hackensack R (Rt 3 to Bellmans Ck)	Heptachlor epoxide	HEP	2007	Fish Consumption	L	Low
05	02030103180080-01	Hackensack R (Rt 3 to Bellmans Ck)	Mercury in Fish Tissue	HEP	2006	Fish Consumption		Low
05	02030103180080-01	Hackensack R (Rt 3 to Bellmans Ck)	PCB in Fish Tissue	HEP	2008	Fish Consumption	L	Low
11	02040105170020-01	Hakihokake Creek	Arsenic	01458100	2012	Water Supply		Low
11	02040105170020-01	Hakihokake Creek	Temperature, water	01458100,DRBCNJ0023	2012	Aquatic Life - Trout		Medium
14	02040301170010-01	Hammonton Creek (above 74d43m)	Arsenic	01409416,14-ham-1,14-ham-2	1998	Water Supply		Low
14	02040301170010-01	Hammonton Creek (above 74d43m)	Copper	01409414,01409416	2008	Aquatic Life		Low
14	02040301170010-01	Hammonton Creek (above 74d43m)	Mercury in Water Column	01409414,14-ham-1,14-ham-2	2014	Water Supply		Low
14	02040301170010-01	Hammonton Creek (above 74d43m)	Nitrates	01409416,0140941580,BA34	2004	Aquatic Life		Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
14	02040301170010-01	Hammonton Creek (above 74d43m)	pH	0140941198,01409415, 01409414,0140941580, LHACHEST	2006	Aquatic Life		Medium
14	02040301170010-01	Hammonton Creek (above 74d43m)	Phosphorus (Total)	01409414,01409415,01 409416,0140941580,HC 2,HC3,BA34	2002	Aquatic Life		Medium
14	02040301170010-01	Hammonton Creek (above 74d43m)	Total Suspended Solids (TSS)	0140941580,BA34	2012	Aquatic Life		Medium
14	02040301170030-01	Hammonton Creek (below Columbia Rd)	pH	01409418	2012	Aquatic Life		Medium
14	02040301170030-01	Hammonton Creek (below Columbia Rd)	Phosphorus (Total)	01409418	2012	Aquatic Life		Medium
14	02040301170020-01	Hammonton Creek (Columbia Rd to 74d43m)	Arsenic	01409416,14-ham-1,14-ham-2	2006	Water Supply		Low
14	02040301170020-01	Hammonton Creek (Columbia Rd to 74d43m)	Copper	01409414,01409416	1998	Aquatic Life		Low
14	02040301170020-01	Hammonton Creek (Columbia Rd to 74d43m)	Mercury in Water Column	01409414,14-ham-1,14-ham-2	2014	Water Supply		Low
14	02040301170020-01	Hammonton Creek (Columbia Rd to 74d43m)	Nitrates	01409416	2004	Aquatic Life		Medium
14	02040301170020-01	Hammonton Creek (Columbia Rd to 74d43m)	pH	01409418,01409416,LH ACHEST	2006	Aquatic Life		Medium
14	02040301170020-01	Hammonton Creek (Columbia Rd to 74d43m)	Phosphorus (Total)	01409418,01409416	2006	Aquatic Life		Medium
17	02040206170010-01	Hankins Pond trib (Millville)	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
17	02040206170010-01	Hankins Pond trib (Millville)	Phosphorus (Total)	Hankins Pond	2010	Aquatic Life		Medium
02	02020007010050-01	Hardistonville tribs	Temperature, water	01367726	2014	Aquatic Life		Medium
11	02040105170030-01	Harihokake Creek (and to Hakihokake Ck)	Escherichia coli	01458300	2008	Recreation		Medium
11	02040105170030-01	Harihokake Creek (and to Hakihokake Ck)	Phosphorus (Total)	01458300	2006	Aquatic Life		Medium
17	02040206060070-01	Harmony trib (Alloway Creek)	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
17	02040206060070-01	Harmony trib (Alloway Creek)	Total Coliform	Shellfish Network	2014	Shellfish		Medium
06	02030103010090-01	Harrisons Brook	Cause Unknown	AN0227A	2014	Aquatic Life		Low
19	02040202060030-01	Haynes Creek (below Lake Pine)	pH	Lakes Mishe-Mokwa,Birchwood,Lwr Aetna,Stockwell	2010	Aquatic Life	R	Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
14	02040301160050-01	Hays Mill Creek (above Tremont Ave)	pH	01409401,01409402,MHAATCOL	2002	Aquatic Life		Medium
08	02030105030030-01	Headquarters trib (Third Neshanic River)	Oxygen, Dissolved	01397950	2006	Aquatic Life		Medium
10	02030105110010-01	Heathcote Brook	Cause Unknown	AN0395	2014	Aquatic Life		Low
06	02030103030100-01	Hibernia Brook	Temperature, water	Lake Hudsonia	2014	Aquatic Life - Trout		Medium
04	02030103140010-01	Hohokus Bk (above Godwin Ave)	Arsenic	01390610	2012	Water Supply		Low
04	02030103140010-01	Hohokus Bk (above Godwin Ave)	Phosphorus (Total)	01390600	2008	Aquatic Life		High
04	02030103140010-01	Hohokus Bk (above Godwin Ave)	Total Dissolved Solids (TDS)	01390600	2006	Water Supply		Medium
04	02030103140030-01	Hohokus Bk (below Pennington Ave)	Nitrates	01391000,01391050,01391100	2010	Water Supply		Medium
04	02030103140030-01	Hohokus Bk (below Pennington Ave)	Phosphorus (Total)	01391000,01391050,01391100,HB001	2010	Aquatic Life		High
04	02030103140020-01	Hohokus Bk (Pennington Ave to Godwin Ave)	Cause Unknown	AN0284,AN0285,AN0286,AN0286X,AN0287	2002	Aquatic Life		Low
04	02030103140020-01	Hohokus Bk (Pennington Ave to Godwin Ave)	Total Dissolved Solids (TDS)	01390800	2008	Water Supply		Medium
08	02030105040030-01	Holland Brook	pH	01398110	2012	Aquatic Life		Medium
08	02030105040030-01	Holland Brook	Phosphorus (Total)	HB1	2014	Aquatic Life		High
01	02040105100020-01	Honey Run	Oxygen, Dissolved	01445900	2004	Aquatic Life - Trout		Medium
12	02030104070010-01	Hop Brook	Arsenic	01407210	2008	Water Supply		Low
12	02030104070010-01	Hop Brook	pH	MCHD-53,01407210	2014	Aquatic LIfe, Aquatic Life - Trout		Medium
12	02030104070010-01	Hop Brook	Phosphorus (Total)	01407210,MCHD-53	2006	Aquatic LIfe, Aquatic Life - Trout		Medium
12	02030104070010-01	Hop Brook	Total Suspended Solids (TSS)	01407210,MCHD-53	2006	Aquatic LIfe, Aquatic Life - Trout		Medium
17	02040206060100-01	Hope Creek / Artificial Island	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
17	02040206060100-01	Hope Creek / Artificial Island	Total Coliform	Shellfish Network	2014	Shellfish		Medium
15	02040302040010-01	Hospitality Br (above Whitehouse Rd)	pH	01411035	2002	Aquatic Life		Medium
15	02040302040070-01	Hospitality Br (below Piney Hollow Rd)	Arsenic	01411071	2012	Water Supply	A	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
15	02040302040070-01	Hospitality Br (below Piney Hollow Rd)	pH	01411071,HHOCAINS,HHODIAMO,HHOEIGHT,HHOCUSHM	2006	Aquatic Life		Medium
15	02040302040020-01	Hospitality Br (Rt 538 to Whitehouse Rd)	pH	01411050,HWHWHITE, HWHBLUEB,HHOWHITE, HWHSUNSE	2002	Aquatic Life		Medium
05	02030101170030-01	Hudson River (lower)	Benzo(a)pyrene (PAHs)	HEP	2010	Fish Consumption		Low
05	02030101170030-01	Hudson River (lower)	Cause Unknown	UH014	2010	Aquatic Life		Low
05	02030101170030-01	Hudson River (lower)	Chlordane in Fish Tissue	HEP	2010	Fish Consumption	L	Low
05	02030101170030-01	Hudson River (lower)	DDT and its metabolites in Fish Tissue	HEP	2010	Fish Consumption	L	Low
05	02030101170030-01	Hudson River (lower)	Dieldrin	HEP	2010	Fish Consumption	L	Low
05	02030101170030-01	Hudson River (lower)	Dioxin (including 2,3,7,8-TCDD)	HEP	2010	Fish Consumption		Low
05	02030101170030-01	Hudson River (lower)	Hexachlorobenzene	HEP	2010	Fish Consumption		Low
05	02030101170030-01	Hudson River (lower)	Mercury in Fish Tissue	HEP	2010	Fish Consumption		Low
05	02030101170030-01	Hudson River (lower)	PCB in Fish Tissue	HEP	2010	Fish Consumption	L	Low
05	02030101170010-01	Hudson River (upper)	Benzo(a)pyrene (PAHs)	HEP	2008	Fish Consumption		Low
05	02030101170010-01	Hudson River (upper)	Cause Unknown	UH004,UH018,UH211,UH213	2010	Aquatic Life		Low
05	02030101170010-01	Hudson River (upper)	Chlordane in Fish Tissue	HEP	2010	Fish Consumption	L	Low
05	02030101170010-01	Hudson River (upper)	DDT and its metabolites in Fish Tissue	HEP	2012	Fish Consumption	L	Low
05	02030101170010-01	Hudson River (upper)	Dieldrin	HEP	2008	Fish Consumption	L	Low
05	02030101170010-01	Hudson River (upper)	Dioxin (including 2,3,7,8-TCDD)	HEP	2006	Fish Consumption		Low
05	02030101170010-01	Hudson River (upper)	Hexachlorobenzene	HEP	2008	Fish Consumption		Low
05	02030101170010-01	Hudson River (upper)	Mercury in Fish Tissue	HEP	2010	Fish Consumption		Low
05	02030101170010-01	Hudson River (upper)	PCB in Fish Tissue	HEP	2008	Fish Consumption	L	Low
05	02030101170010-01	Hudson River (upper)	Phosphorus (Total)	North Hudson Park Lake	2014	Aquatic Life		Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
17	02040206130030-01	Indian Branch (Scotland Run)	Oxygen, Dissolved	01411466	2012	Aquatic Life		Medium
14	02040301170090-01	Indian Cabin Creek	Oxygen, Dissolved	01409601	2006	Aquatic Life		Medium
14	02040301150030-01	Indian Mills Brook / Muskingum Brook	pH	01409444,01409449,BINSHADW,BINSCHOO,BMULAKED	2006	Aquatic Life		Medium
17	02040206150040-01	Indian Run (Muddy Run)	Arsenic	01411695	2012	Water Supply		Low
17	02040206150040-01	Indian Run (Muddy Run)	Cause Unknown	AN0746	2006	Aquatic Life		Low
09	02030105130040-01	Ireland Brook	pH	01404470	2002	Aquatic Life		Medium
20	02040201100030-01	Jacksonville trib (above Barkers Brook)	Escherichia coli	BFBM000048	2012	Recreation		Medium
11	02040105210060-01	Jacobs Creek (above Woolsey Brook)	Arsenic	01462730,01462739	2008	Water Supply		Low
11	02040105210060-01	Jacobs Creek (above Woolsey Brook)	Mercury in Water Column	01462739	2008	Water Supply		Low
11	02040105210060-01	Jacobs Creek (above Woolsey Brook)	Oxygen, Dissolved	01462739	2010	Aquatic Life		Medium
11	02040105210060-01	Jacobs Creek (above Woolsey Brook)	Phosphorus (Total)	01462739	2008	Aquatic Life		Medium
11	02040105210060-01	Jacobs Creek (above Woolsey Brook)	Total Suspended Solids (TSS)	01462739	2010	Aquatic Life		Medium
11	02040105210070-01	Jacobs Creek (below/incl Woolsey Brook)	Arsenic	01462800	2012	Water Supply		Low
19	02040202050070-01	Jade Run	Oxygen, Dissolved	01465847,RCW-JR1	2004	Aquatic Life	R	Medium
19	02040202050070-01	Jade Run	pH	01465847,RCW-JR1,SJART616	2004	Aquatic Life	R	Medium
19	02040202050070-01	Jade Run	Phosphorus (Total)	01465847,01465848,RCW-JR1	2004	Aquatic Life	R	Medium
13	02040301080070-01	Jakes Branch (Lower Toms River)	Escherichia coli	BT05	2014	Recreation		Medium
13	02040301080070-01	Jakes Branch (Lower Toms River)	Oxygen, Dissolved	BT05	2014	Aquatic Life		Medium
12	02030104090050-01	Jumping Brook (Monmouth Co)	Cause Unknown	AN0479,AN0480	2012	Aquatic Life		Low
20	02040201040040-01	Jumping Brook (Ocean Co)	Arsenic	01464080	2014	Water Supply		Low
20	02040201040040-01	Jumping Brook (Ocean Co)	Mercury in Fish Tissue	Crosswicks Creek	2006	Fish Consumption		Low
20	02040201040040-01	Jumping Brook (Ocean Co)	Oxygen, Dissolved	01464080	2014	Aquatic Life		Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
13	02040301050010-01	Kettle Creek (above Lake Riviera outlet)	Arsenic	01408175	2014	Water Supply		Low
13	02040301050010-01	Kettle Creek (above Lake Riviera outlet)	Cause Unknown	AN0515	2008	Aquatic Life		Low
13	02040301050020-01	Kettle Creek (below Lake Riviera outlet)	Arsenic	01408175	2014	Water Supply	A	Low
19	02040202060010-01	Kettle Run (above Centennial Lake)	pH	Flamingo Lake,Braddocks Millpond	2008	Aquatic Life	R	Medium
07	02030104010020-01	Kill Van Kull West	Benzo(a)pyrene (PAHs)	HEP	2007	Fish Consumption		Low
07	02030104010020-01	Kill Van Kull West	Cause Unknown	NB231,NB227,NB223,NB01,NB216,NB217,NB212,NB206,NB201,NB202,NB02,NB03,NB226	2007	Aquatic Life		Low
07	02030104010020-01	Kill Van Kull West	Chlordane in Fish Tissue	HEP	2006	Fish Consumption	L	Low
07	02030104010020-01	Kill Van Kull West	DDT and its metabolites in Fish Tissue	HEP	2008	Fish Consumption	L	Low
07	02030104010020-01	Kill Van Kull West	Dieldrin	HEP	2007	Fish Consumption	L	Low
07	02030104010020-01	Kill Van Kull West	Dioxin (including 2,3,7,8-TCDD)	HEP	2006	Fish Consumption		Low
07	02030104010020-01	Kill Van Kull West	Heptachlor epoxide	HEP	2007	Fish Consumption	L	Low
07	02030104010020-01	Kill Van Kull West	Hexachlorobenzene	HEP	2008	Fish Consumption		Low
07	02030104010020-01	Kill Van Kull West	PCB in Fish Tissue	HEP	2007	Fish Consumption	L	Low
11	02040105170060-01	Kingwood Twp(Warford-Little Nishisakawk)	Phosphorus (Total)	01458710	2006	Aquatic Life		Medium
01	02040105040040-01	Lafayette Swamp tribs	Cause Unknown	AN0016	2008	Aquatic Life		Low
20	02040201050010-01	Lahaway Ck (above Prospertown)	Cause Unknown	AN0123,MB-FA	2006	Aquatic Life		Low
20	02040201050020-01	Lahaway Ck (Allentwn/NE Road-Prospertown)	Arsenic	01464460	2012	Water Supply		Low
20	02040201050020-01	Lahaway Ck (Allentwn/NE Road-Prospertown)	Phosphorus (Total)	01464460	2006	Aquatic Life		Medium
01	02040105150020-01	Lake Hopatcong	PCB in Fish Tissue	Lake Hopatcong	2012	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
01	02040105150020-01	Lake Hopatcong	pH	Hop 3,Hop 6	2008	Aquatic LIfe, Aquatic Life - Trout		Medium
01	02040105070010-01	Lake Lenape trib	Temperature, water	01444980	2014	Aquatic Life - Trout		Medium
19	02040202060020-01	Lake Pine / Centennial Lake & tribs	pH	WHATAUNT,Wilderness Lake	2010	Aquatic Life	R	Medium
15	02040302050110-01	Lakes Creek (GEHR)	Oxygen, Dissolved	2803	2008	Aquatic Life		Medium
08	02030105050070-01	Lamington R (HallsBrRd-HerzogBrk)	pH	LR4,LR5	2014	Aquatic Life		High
08	02030105050070-01	Lamington R (HallsBrRd-HerzogBrk)	Phosphorus (Total)	LR5	2006	Aquatic Life		High
08	02030105050070-01	Lamington R (HallsBrRd-HerzogBrk)	Temperature, water	01399545	2004	Aquatic Life - Trout		Medium
08	02030105050130-01	Lamington R (Hertzog Brk to Pottersville gage)	Temperature, water	LR3	2010	Aquatic Life - Trout		Medium
08	02030105050020-01	Lamington R (Hillside Rd to Rt 10)	Oxygen, Dissolved	LR2	2012	Aquatic Life		Medium
08	02030105050020-01	Lamington R (Hillside Rd to Rt 10)	Phosphorus (Total)	LR2	2010	Aquatic Life		High
08	02030105050040-01	Lamington R (Pottersville gage-FurnaceRd)	Arsenic	01399320	2012	Water Supply		Low
14	02040301170100-01	Landing Creek (above Rt 563)	Arsenic	01409571	2012	Water Supply	A	Low
14	02040301170100-01	Landing Creek (above Rt 563)	pH	01409571	2014	Aquatic Life		Medium
14	02040301170110-01	Landing Creek (Indian Cabin Ck to Rt563)	pH	LLANDIND,LUNIOMOS	2014	Aquatic Life		Medium
09	02030105130020-01	Lawrence Bk (above Deans Pond dam)	Arsenic	01404302,9-law-1	2006	Water Supply		Low
09	02030105130020-01	Lawrence Bk (above Deans Pond dam)	Cause Unknown	AN0430	2008	Aquatic Life		Low
09	02030105130070-01	Lawrence Bk (below Milltown/Herberts br)	Arsenic	01405003	2012	Water Supply		Low
09	02030105130070-01	Lawrence Bk (below Milltown/Herberts br)	Cause Unknown	AN0435	2006	Aquatic Life		Low
09	02030105130070-01	Lawrence Bk (below Milltown/Herberts br)	Dioxin (including 2,3,7,8-TCDD)	HEP	2006	Fish Consumption		Low
09	02030105130070-01	Lawrence Bk (below Milltown/Herberts br)	PCB in Fish Tissue	Weston Mill Pond	2006	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
09	02030105130050-01	Lawrence Bk (Church Lane to Deans Pond)	Arsenic	01404302,9-law-1	1998	Water Supply		Low
09	02030105130050-01	Lawrence Bk (Church Lane to Deans Pond)	Cause Unknown	AN0431	2006	Aquatic Life		Low
09	02030105130050-01	Lawrence Bk (Church Lane to Deans Pond)	Escherichia coli	01404400	2008	Recreation		Medium
09	02030105130060-01	Lawrence Bk (Milltown to Church Lane)	Arsenic	01405003	2008	Water Supply		Low
09	02030105130060-01	Lawrence Bk (Milltown to Church Lane)	Escherichia coli	01405003	2008	Recreation		Medium
09	02030105130060-01	Lawrence Bk (Milltown to Church Lane)	Phosphorus (Total)	Farrington Lake	2014	Aquatic Life		Medium
20	02040201090030-01	LDRV tribs (Assiscunk Ck to Blacks Ck)	Cause Unknown	SHB-01AF,SHB-02SB	2014	Aquatic Life		Low
20	02040201090030-01	LDRV tribs (Assiscunk Ck to Blacks Ck)	PCB in Fish Tissue	Crystal Lake,Delaware River Tribs to Head of Tide	2010	Fish Consumption	L	Low
20	02040201110010-01	LDRV tribs (Beverly to Assiscunk Ck)	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
20	02040201090040-01	LDRV tribs (Bustleton Creek area)	Mercury in Fish Tissue	Delaware River Tribs to Head of Tide	2008	Fish Consumption		Low
20	02040201090040-01	LDRV tribs (Bustleton Creek area)	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2010	Fish Consumption	L	Low
17	02040206020010-01	LDRV tribs (Lakeview Ave to Oldmans Ck)	PCB in Fish Tissue	DOD Lake,Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
17	02040206020020-01	LDRV tribs (Marsh Pt-Main St Pennsville)	DDT and its metabolites in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
17	02040206020020-01	LDRV tribs (Marsh Pt-Main St Pennsville)	Mercury in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption		Low
17	02040206020020-01	LDRV tribs (Marsh Pt-Main St Pennsville)	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
18	02040202110070-01	LDRV tribs (Pennsauken Ck to 28th St)	Escherichia coli	BFBM000003	2012	Recreation		Medium
03	02030103110010-01	Lincoln Park tribs (Pompton River)	Arsenic	01388720	2012	Water Supply		Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
03	02030103110010-01	Lincoln Park tribs (Pompton River)	Cause Unknown	AN0269	2008	Aquatic Life		Low
19	02040202060070-01	Little Creek (above Bear Swamp River)	Arsenic	01465893	2012	Water Supply	A	Low
19	02040202060070-01	Little Creek (above Bear Swamp River)	Escherichia coli	01465893	2006	Recreation		Medium
19	02040202060070-01	Little Creek (above Bear Swamp River)	pH	01465893,WLIHAWKI	2012	Aquatic Life	R	Medium
19	02040202060090-01	Little Creek (below Bear Swamp River)	Escherichia coli	BFBM000015	2012	Recreation		Medium
17	02040206120010-01	Little Ease Run (above Academy Rd)	pH	01411457,01411458	2006	Aquatic Life		Medium
17	02040206120020-01	Little Ease Run (below Academy Rd)	Arsenic	01411457,01411458	2012	Water Supply		Low
17	02040206120020-01	Little Ease Run (below Academy Rd)	pH	01411458,01411457	2002	Aquatic Life		Medium
01	02040104130010-01	Little Flat Brook (Beerskill and above)	Temperature, water	01439920	2006	Aquatic Life - Trout		Medium
01	02040104130030-01	Little Flat Brook (Confluence to Layton)	Temperature, water	01439920	2006	Aquatic Life - Trout		Medium
01	02040104130020-01	Little Flat Brook (Layton to Beerskill)	Temperature, water	01439920	2006	Aquatic Life - Trout		Medium
11	02040105240050-01	Little Shabakunk Creek	Arsenic	01463610,11-as-4	2006	Water Supply		Low
11	02040105240050-01	Little Shabakunk Creek	Lead	01463610,11-as-4	2007	Water Supply		Low
11	02040105240050-01	Little Shabakunk Creek	Mercury in Fish Tissue	Assunpink Creek	2006	Fish Consumption		Low
11	02040105240050-01	Little Shabakunk Creek	Phosphorus (Total)	01464020	2006	Aquatic Life		Medium
12	02030104080010-01	Little Silver Creek / Town Neck Creek	DDT and its metabolites in Fish Tissue	Shrewsbury River at Oceanport	2006	Fish Consumption	L	Low
12	02030104080010-01	Little Silver Creek / Town Neck Creek	Mercury in Fish Tissue	Shrewsbury River at Oceanport	2006	Fish Consumption		Low
12	02030104080010-01	Little Silver Creek / Town Neck Creek	PCB in Fish Tissue	Shrewsbury River at Oceanport	2006	Fish Consumption	L	Low
18	02040202120070-01	Little Timber Creek (Gloucester City)	Cause Unknown	AN0666	2008	Aquatic Life		Low
18	02040202120070-01	Little Timber Creek (Gloucester City)	PCB in Fish Tissue	Little Timber Creek	2006	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
06	02030103010040-01	Loantaka Brook	Escherichia coli	01378860	2008	Recreation		Medium
06	02030103010040-01	Loantaka Brook	Total Dissolved Solids (TDS)	GSWA-LB2,GSWA-LB4,GSWA-LB5,GSWA-LB6	2008	Water Supply		Medium
11	02040105200010-01	Lockatong Ck (above Rt 12)	Escherichia coli	01460860,L8a,L9a,L9b	2008	Recreation		Medium
11	02040105200010-01	Lockatong Ck (above Rt 12)	pH	L9	2008	Aquatic Life		Medium
11	02040105200030-01	Lockatong Ck (below Milltown) incl UDRV	Arsenic	01460900	2012	Water Supply		Low
11	02040105200030-01	Lockatong Ck (below Milltown) incl UDRV	Temperature, water	01460880,L3	2008	Aquatic Life - Trout		Medium
11	02040105200020-01	Lockatong Ck (Milltown to Rt 12)	Arsenic	01460870	2012	Water Supply		Low
11	02040105200020-01	Lockatong Ck (Milltown to Rt 12)	Escherichia coli	01460860,01460870,L4,L6a	2008	Recreation		Medium
11	02040105200020-01	Lockatong Ck (Milltown to Rt 12)	pH	L3a,L4,L6	2008	Aquatic Life		Medium
11	02040105200020-01	Lockatong Ck (Milltown to Rt 12)	Temperature, water	L3	2008	Aquatic Life - Trout		Medium
02	02020007040060-01	Long House Creek/Upper Greenwood Lake	pH	Bearfort Waters-02	2010	Aquatic Life		Medium
13	02040301080080-01	Long Swamp Creek	Cause Unknown	AN0544	2012	Aquatic Life		Low
01	02040105120010-01	Lopatcong Creek (above Rt 57)	Phosphorus (Total)	Lopat 1	2010	Aquatic LIfe, Aquatic Life - Trout		Medium
01	02040105120020-01	Lopatcong Creek (below Rt 57) incl UDRV	Phosphorus (Total)	Lopat 3	2010	Aquatic LIfe, Aquatic Life - Trout		Medium
13	BarnegatBay09	Lower Little Egg Harbor Bay	Oxygen, Dissolved	BB14	2014	Aquatic Life		Medium
13	BarnegatBay09	Lower Little Egg Harbor Bay	Turbidity	BB13,BB12	2014	Aquatic Life		Medium
19	02040202080060-01	LRDV trib- Delanco/Edgewater	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2010	Fish Consumption	L	Low
01	02040105150040-01	Lubbers Run (above/incl Dallis Pond)	Temperature, water	AN0065	2012	Aquatic Life - Trout		Medium
01	02040105150050-01	Lubbers Run (below Dallis Pond)	Arsenic	01455780	2012	Water Supply		Low
17	02040206070020-01	Mad Horse Ck / Little Ck / Turners Fork	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
17	02040206070020-01	Mad Horse Ck / Little Ck / Turners Fork	Total Coliform	Shellfish Network	2014	Shellfish		Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
18	02040202120120-01	Main Ditch / Little Mantua Creek	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
06	02030103020060-01	Malapardis Brook	Cause Unknown	AN0238B	2008	Aquatic Life		Low
13	BarnegatBay08	Manahawkan Bay and Upper Little Egg Harbor	Turbidity	BB11a,BB10	2014	Aquatic Life		Medium
09	02030105140030-01	Manalapan Brook (below Lake Manalapan)	Arsenic	01405440,9-man-2	2006	Water Supply		Low
09	02030105140030-01	Manalapan Brook (below Lake Manalapan)	Cause Unknown	AN0440	2008	Aquatic Life		Low
12	02030104100080-01	Manasquan R (74d07m30s to Squankum gage)	Arsenic	0140802850	2008	Water Supply	A	Low
12	02030104100080-01	Manasquan R (74d07m30s to Squankum gage)	Phosphorus (Total)	MCHD-16	2008	Aquatic Life		Medium
12	02030104100080-01	Manasquan R (74d07m30s to Squankum gage)	Temperature, water	01408029	2014	Aquatic Life - Trout		Medium
12	02030104100080-01	Manasquan R (74d07m30s to Squankum gage)	Turbidity	01408029	2014	Aquatic LIfe, Aquatic Life - Trout		Medium
12	02030104100010-01	Manasquan R (above 74d17m50s road)	Arsenic	01407820	2014	Water Supply		Low
12	02030104100100-01	Manasquan R (below Rt 70 bridge)	Oxygen, Dissolved	MCHD-84,1306A,1308C	2014	Aquatic Life		Medium
12	02030104100020-01	Manasquan R (Rt 9 to 74d17m50s road)	Arsenic	01407846,01407862	2012	Water Supply		Low
12	02030104100020-01	Manasquan R (Rt 9 to 74d17m50s road)	Escherichia coli	01407868	2014	Recreation		Medium
12	02030104100020-01	Manasquan R (Rt 9 to 74d17m50s road)	Total Suspended Solids (TSS)	01407868,01407862,MCHD-25	2006	Aquatic Life		Medium
12	02030104100020-01	Manasquan R (Rt 9 to 74d17m50s road)	Turbidity	01407862	2014	Aquatic Life		Medium
17	02040206040010-01	Mannington Creek	Arsenic	01482645	2008	Water Supply	A	Low
17	02040206040010-01	Mannington Creek	Escherichia coli	01482645	2010	Recreation		Medium
17	02040206040010-01	Mannington Creek	Oxygen, Dissolved	01482645	2010	Aquatic Life		Medium
17	02040206040010-01	Mannington Creek	Phosphorus (Total)	01482645	2008	Aquatic Life		Medium
18	02040202130010-01	Mantua Creek (above Rt 47)	Cause Unknown	AN0668	2008	Aquatic Life		Low
18	02040202130060-01	Mantua Creek (below Edwards Run)	Mercury in Fish Tissue	Mantua Creek @ Paulsboro,NJ	2014	Fish Consumption		Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
18	02040202130060-01	Mantua Creek (below Edwards Run)	PCB in Fish Tissue	Delaware River/Bay at Mantua Creek mouth	2006	Fish Consumption	L	Low
18	02040202130040-01	Mantua Creek (Edwards Run to rd to Sewell)	Escherichia coli	01475042	2008	Recreation		Medium
18	02040202130040-01	Mantua Creek (Edwards Run to rd to Sewell)	Mercury in Fish Tissue	Marlton Lake,Delaware River/Bay at Mantua Creek	2008	Fish Consumption		Low
18	02040202130040-01	Mantua Creek (Edwards Run to rd to Sewell)	PCB in Fish Tissue	Marlton Lake,Delaware River/Bay at Mantua Creek	2006	Fish Consumption	L	Low
18	02040202130040-01	Mantua Creek (Edwards Run to rd to Sewell)	pH	01475042,01407026,01407012,MCHD-8,MCHD-65	2008	Aquatic Life		Medium
18	02040202130040-01	Mantua Creek (Edwards Run to rd to Sewell)	Phosphorus (Total)	01475045	2004	Aquatic Life		Medium
17	02040206190010-01	Manumuskin River (above/incl BigNealBr)	Arsenic	01412080	2014	Water Supply		Low
17	02040206190010-01	Manumuskin River (above/incl BigNealBr)	Oxygen, Dissolved	01412080	2014	Aquatic Life		Medium
17	02040206190030-01	Manumuskin River (below Rt 49)	Arsenic	01412080	2012	Water Supply	A	Low
17	02040206190030-01	Manumuskin River (below Rt 49)	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
17	02040206190020-01	Manumuskin River (Rt 49 to Big Neal Br)	Arsenic	01412080	2014	Water Supply		Low
13	02040301060040-01	Maple Root Branch (Toms River)	Escherichia coli	01408285	2014	Recreation		Medium
12	02030104100040-01	Marsh Bog Brook	Arsenic	01407988	2012	Water Supply		Low
12	02030104100040-01	Marsh Bog Brook	Cause Unknown	AN0491,AN0492,MB-2	2008	Aquatic Life		Low
03	02030103100020-01	Masonicus Brook	Cause Unknown	FIBI076a	2014	Aquatic Life		Low
12	02030104060020-01	Matawan Creek (above Ravine Drive)	Arsenic	Adjacent to Matawan Creek Reach 02030104-328-0.42	1998	Water Supply		Low
12	02030104060020-01	Matawan Creek (above Ravine Drive)	Copper	Adjacent to Matawan Creek Reach 02030104-328-0.42	1998	Aquatic Life		Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
12	02030104060020-01	Matawan Creek (above Ravine Drive)	Lead	Adjacent to Matawan Creek Reach 02030104-328-0.42	1998	Water Supply, Aquatic Life		Low
12	02030104060020-01	Matawan Creek (above Ravine Drive)	PCB in Fish Tissue	HEP	1998	Fish Consumption	L	Low
12	02030104060030-01	Matawan Creek (below Ravine Drive)	Arsenic	01407026	2012	Water Supply		Low
12	02030104060030-01	Matawan Creek (below Ravine Drive)	Chlordane in Fish Tissue	HEP	2006	Fish Consumption	L	Low
12	02030104060030-01	Matawan Creek (below Ravine Drive)	DDT and its metabolites in Fish Tissue	HEP	2006	Fish Consumption	L	Low
12	02030104060030-01	Matawan Creek (below Ravine Drive)	Enterococcus	51	2008	Recreation		Medium
12	02030104060030-01	Matawan Creek (below Ravine Drive)	Escherichia coli	MCHD-65	2014	Recreation		Medium
12	02030104060030-01	Matawan Creek (below Ravine Drive)	Oxygen, Dissolved	MCHD-8,MCHD-51	2012	Aquatic Life		Medium
12	02030104060030-01	Matawan Creek (below Ravine Drive)	PCB in Fish Tissue	HEP	2006	Fish Consumption	L	Low
12	02030104060030-01	Matawan Creek (below Ravine Drive)	pH	01407012,01407026,65	2006	Aquatic Life		Medium
12	02030104060030-01	Matawan Creek (below Ravine Drive)	Total Coliform	Shellfish Network	2014	Shellfish		Medium
09	02030105150040-01	Matchaponix Brook (above/incl Pine Bk)	Cause Unknown	AN0448,AN0449	2006	Aquatic Life		Low
09	02030105150060-01	Matchaponix Brook (below Pine Brook)	Nitrates	01405290,01405302,MtB1	2004	Water Supply		Medium
09	02030105150060-01	Matchaponix Brook (below Pine Brook)	Oxygen, Dissolved	MtB1	2010	Aquatic Life		Medium
09	02030105150060-01	Matchaponix Brook (below Pine Brook)	Phosphorus (Total)	01405302,01405290,MtB1	2004	Aquatic Life		Medium
14	02040301200110-01	Mattix Run (Nacote Creek)	Arsenic	01410230	2012	Water Supply	A	Low
14	02040301200110-01	Mattix Run (Nacote Creek)	Oxygen, Dissolved	01410230	2008	Aquatic Life		Medium
17	02040206200050-01	Maurice River (below Leesburg) to EastPt	Oxygen, Dissolved	3900M	2006	Aquatic Life		Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
17	02040206200050-01	Maurice River (below Leesburg) to EastPt	PCB in Fish Tissue	Maurice River at Mauricetown	2006	Fish Consumption	L	Low
17	02040206140010-01	Maurice River (BlkwtrBr to/incl WillowGroveLk)	Arsenic	01411500	2004	Water Supply		Low
17	02040206200040-01	Maurice River (Leesburg to Rt 548)	PCB in Fish Tissue	Maurice River at Mauricetown	2006	Fish Consumption	L	Low
17	02040206170030-01	Maurice River (Menantico Ck to UnionLake)	Arsenic	01411907	2014	Fish Consumption	A	Low
17	02040206170030-01	Maurice River (Menantico Ck to UnionLake)	Mercury in Fish Tissue	Maurice River at Mauricetown,Union Lake	2010	Fish Consumption		Low
17	02040206170030-01	Maurice River (Menantico Ck to UnionLake)	PCB in Fish Tissue	Maurice River at Mauricetown,Union Lake	2006	Fish Consumption	L	Low
17	02040206200030-01	Maurice River (Rt 548 to Menantico Ck)	PCB in Fish Tissue	Maurice River at Mauricetown	2006	Fish Consumption	L	Low
17	02040206140060-01	Maurice River (Sherman Ave to Blackwater Br)	Arsenic	01411500,17-mau-1	2006	Water Supply		Low
17	02040206160030-01	Maurice River (Union Lake to Sherman Ave)	Arsenic	01411800,17-mau-1	1998	Water Supply		Low
17	02040206160030-01	Maurice River (Union Lake to Sherman Ave)	Cause Unknown	AN0751	2008	Aquatic Life		Low
17	02040206160030-01	Maurice River (Union Lake to Sherman Ave)	Mercury in Fish Tissue	Union Lake	2008	Fish Consumption		Low
19	02040202030070-01	McDonalds Branch	Arsenic	01466500	2012	Water Supply	A	Low
09	02030105150030-01	McGellairds Brook (below Taylors Mills)	Phosphorus (Total)	01405180,MCHD-22,MGB1	2006	Aquatic Life		Medium
03	02030103070060-01	Meadow Brook / High Mountain Brook	Temperature, water	PQMDBK	2010	Aquatic Life - Trout		Medium
17	02040206180030-01	Menantico Creek (above Rt 552)	DDT and its metabolites in Fish Tissue	Menantico Sand Ponds	2010	Fish Consumption	L	Low
17	02040206180030-01	Menantico Creek (above Rt 552)	Dioxin (including 2,3,7,8-TCDD)	Menantico Sands Pond	2010	Fish Consumption		Low
17	02040206180030-01	Menantico Creek (above Rt 552)	PCB in Fish Tissue	Menantico Sand Ponds	2010	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
17	02040206180050-01	Menantico Creek (below Rt 552)	Arsenic	01412005	2008	Water Supply	A	Low
17	02040206180050-01	Menantico Creek (below Rt 552)	DDT and its metabolites in Fish Tissue	Menantico Sand Ponds	2010	Fish Consumption	L	Low
17	02040206180050-01	Menantico Creek (below Rt 552)	PCB in Fish Tissue	Menantico Sand Ponds	2006	Fish Consumption	L	Low
17	02040206180050-01	Menantico Creek (below Rt 552)	Phosphorus (Total)	01412005	2006	Aquatic Life		Medium
11	02040105210080-01	Mercer (Calhoun St to Jacobs Creek)	Cause Unknown	AN0107	2008	Aquatic Life		Low
01	02040105140040-01	Merrill Creek	Cause Unknown	AN0059	2010	Aquatic Life		Low
01	02040105140040-01	Merrill Creek	Chlordane in Fish Tissue	Merrill Creek Reservoir	2014	Fish Consumption	L	Low
01	02040105140040-01	Merrill Creek	Mercury in Fish Tissue	Merrill Creek Reservoir	2014	Fish Consumption		Low
01	02040105140040-01	Merrill Creek	PCB in Fish Tissue	Merrill Creek Reservoir	2014	Fish Consumption	L	Low
13	BarnegatBay03	Metedeconk and Lower Tribs - Bay	Turbidity	BB05a	2014	Aquatic Life		Medium
13	02040301040020-01	Metedeconk R (Beaverdam Ck to confl)	Arsenic	BTMUA Intake,01408156	2008	Water Supply	A	Low
13	02040301040020-01	Metedeconk R (Beaverdam Ck to confl)	Cause Unknown	AN0514	2008	Aquatic Life		Low
13	02040301040020-01	Metedeconk R (Beaverdam Ck to confl)	Lead	BTMUA Intake	2014	Water Supply		Low
13	02040301020010-01	Metedeconk R NB (above I-195)	Arsenic	NP,NO,NM,NK	2008	Water Supply		Low
13	02040301020010-01	Metedeconk R NB (above I-195)	Chlordane in Fish Tissue	Metedeconk River North Branch	2010	Fish Consumption	L	Low
13	02040301020010-01	Metedeconk R NB (above I-195)	DDT and its metabolites in Fish Tissue	Metedeconk River North Branch	2010	Fish Consumption	L	Low
13	02040301020010-01	Metedeconk R NB (above I-195)	Lead	NP,NO	2012	Water Supply		Low
13	02040301020010-01	Metedeconk R NB (above I-195)	Mercury in Fish Tissue	Metedeconk River North Branch	2010	Fish Consumption		Low
13	02040301020010-01	Metedeconk R NB (above I-195)	Oxygen, Dissolved	NO	2014	Aquatic Life	R	Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
13	02040301020010-01	Metedeconk R NB (above I-195)	PCB in Fish Tissue	Metedeconk River North Branch	2010	Fish Consumption	L	Low
13	02040301020010-01	Metedeconk R NB (above I-195)	Turbidity	NK,NM,NO	2012	Aquatic Life		Medium
13	02040301020050-01	Metedeconk R NB (confluence to Rt 9)	Arsenic	01408123,CB,CB-1,NA	2008	Water Supply		Low
13	02040301020050-01	Metedeconk R NB (confluence to Rt 9)	Cause Unknown	AN0502,AN0506	2012	Aquatic LIfe, Aquatic Life - Trout		Low
13	02040301020050-01	Metedeconk R NB (confluence to Rt 9)	Lead	NA,CB-1,CB	2012	Water Supply		Low
13	02040301020020-01	Metedeconk R NB (Rt 9 to I-195)	Cause Unknown	AN0502	2012	Aquatic LIfe, Aquatic Life - Trout		Low
13	02040301030020-01	Metedeconk R SB (74d19m15s to I-195 X21)	Arsenic	01408127	2014	Water Supply	A	Low
13	02040301030020-01	Metedeconk R SB (74d19m15s to I-195 X21)	Oxygen, Dissolved	01408127,SK	2014	Aquatic Life	R	Medium
13	02040301030020-01	Metedeconk R SB (74d19m15s to I-195 X21)	Turbidity	SK	2012	Aquatic Life		Medium
13	02040301030010-01	Metedeconk R SB (above I-195 exit 21 rd)	Arsenic	SL	2008	Water Supply		Low
13	02040301030010-01	Metedeconk R SB (above I-195 exit 21 rd)	Lead	SL	2012	Water Supply		Low
13	02040301030030-01	Metedeconk R SB (BennettsPd to 74d19m15s)	Arsenic	SI	2014	Water Supply		Low
13	02040301030030-01	Metedeconk R SB (BennettsPd to 74d19m15s)	Cause Unknown	AN0510A	2014	Aquatic Life		Low
13	02040301030030-01	Metedeconk R SB (BennettsPd to 74d19m15s)	Chlordane in Fish Tissue	Enno Lake (Bennetts Pond)	2010	Fish Consumption	L	Low
13	02040301030030-01	Metedeconk R SB (BennettsPd to 74d19m15s)	Mercury in Fish Tissue	Enno Lake (Bennetts Pond)	2010	Fish Consumption		Low
13	02040301030030-01	Metedeconk R SB (BennettsPd to 74d19m15s)	PCB in Fish Tissue	Enno Lake (Bennetts Pond)	2010	Fish Consumption	L	Low
13	02040301030050-01	Metedeconk R SB (confluence to Rt 9)	Arsenic	01408152,SA,SE	2008	Water Supply	A	Low
13	02040301030050-01	Metedeconk R SB (confluence to Rt 9)	Cause Unknown	AN0511,AN0512	2012	Aquatic Life		Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
13	02040301030050-01	Metedeconk R SB (confluence to Rt 9)	Lead	SA	2012	Water Supply		Low
13	02040301030040-01	Metedeconk R SB (Rt 9 to Bennetts Pond)	Arsenic	01408136,SI	2008	Water Supply	A	Low
13	02040301080020-01	Michaels Branch (Wrangel Brook)	pH	Keswick Lake	2010	Aquatic Life		Medium
17	02040206200010-01	Middle Branch / Slab Branch	Arsenic	01412120	2014	Water Supply		Low
17	02040206200010-01	Middle Branch / Slab Branch	Mercury in Water Column	01412120	2008	Water Supply		Low
09	02030105120180-01	Middle Brook	Arsenic	01403190	2010	Water Supply		Low
09	02030105120180-01	Middle Brook	Cause Unknown	AN0420	2012	Aquatic Life		Low
08	02030105060080-01	Middle Brook (NB Raritan River)	Cause Unknown	AN0354,AN0355	2008	Aquatic Life		Low
08	02030105060080-01	Middle Brook (NB Raritan River)	Escherichia coli	01399100	2008	Recreation		Medium
09	02030105120050-01	Middle Brook EB	Arsenic	01403075	2012	Water Supply		Low
09	02030105120050-01	Middle Brook EB	Oxygen, Dissolved	01403075	2012	Aquatic Life - Trout		Medium
09	02030105120050-01	Middle Brook EB	Phosphorus (Total)	01403075	2012	Aquatic LIfe, Aquatic Life - Trout		Medium
09	02030105120050-01	Middle Brook EB	Temperature, water	01403120	2014	Aquatic Life - Trout		Medium
09	02030105120050-01	Middle Brook EB	Total Dissolved Solids (TDS)	01403075	2008	Water Supply		Medium
09	02030105120060-01	Middle Brook WB	Cause Unknown	AN0416	2008	Aquatic Life		Low
17	02040206100010-01	Middle Marsh Ck (DrumboCk to Sea Breeze)	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
15	02040302050120-01	Middle River / Peters Creek	Oxygen, Dissolved	2900,2900A,2900E	2006	Aquatic Life		Medium
09	02030105120150-01	Mile Run	Cause Unknown	AN0429,FIBI015	2006	Aquatic Life		Low
09	02030105120150-01	Mile Run	Escherichia coli	BFBM000007	2012	Recreation		Medium
15	02040302060010-01	Mill Br (above Cardiff-Bargaintown rd)	Cause Unknown	AN0618	2010	Aquatic Life		Low
13	02040301140020-01	Mill Branch (below GS Parkway)	Escherichia coli	01409305	2014	Recreation		Medium
13	02040301140020-01	Mill Branch (below GS Parkway)	Oxygen, Dissolved	01409305	2014	Aquatic Life		Medium
13	02040301140020-01	Mill Branch (below GS Parkway)	PCB in Fish Tissue	Pohatcong Lake	2010	Fish Consumption	L	Low
09	02030105160080-01	Mill Brook / Martins Creek	Cause Unknown	AN0436	2008	Aquatic Life		Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
09	02030105160080-01	Mill Brook / Martins Creek	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	1998	Fish Consumption	L	Low
13	02040301130020-01	Mill Ck (above GS Parkway)	pH	01409150,Fawn Lake	2006	Aquatic Life		Medium
13	02040301130030-01	Mill Ck (below GS Parkway)/Manahawkin Ck	Cause Unknown	AN0555	2014	Aquatic Life		Low
13	02040301130030-01	Mill Ck (below GS Parkway)/Manahawkin Ck	DDT and its metabolites in Fish Tissue	Lake Manahawkin	2010	Fish Consumption	L	Low
13	02040301130030-01	Mill Ck (below GS Parkway)/Manahawkin Ck	Escherichia coli	BT11	2014	Recreation		Medium
13	02040301130030-01	Mill Ck (below GS Parkway)/Manahawkin Ck	PCB in Fish Tissue	Lake Manahawkin	2010	Fish Consumption	L	Low
17	02040206090050-01	Mill Creek (below Maple House Bk)	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
17	02040206110040-01	Mill Creek (Dividing Creek)	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
17	02040206110040-01	Mill Creek (Dividing Creek)	Total Coliform	Shellfish Network	2014	Shellfish		Medium
17	02040206160040-01	Mill Creek (lower)	Mercury in Fish Tissue	Union Lake	2010	Fish Consumption		Low
19	02040202080030-01	Mill Creek (Willingboro)	Arsenic	01467021	2008	Water Supply		Low
19	02040202080030-01	Mill Creek (Willingboro)	Escherichia coli	01467021,BFBM000040	2012	Recreation		Medium
19	02040202080030-01	Mill Creek (Willingboro)	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
19	02040202080030-01	Mill Creek (Willingboro)	Phosphorus (Total)	01467021	2004	Aquatic Life	R	Medium
15	02040302070060-01	Mill Creek / Back Run (Tuckahoe River)	Cause Unknown	AN0652	2014	Aquatic Life		Low
10	02030105100010-01	Millstone R (above Rt 33)	Arsenic	01400530,01400540,10-mil-1	1998	Water Supply		Low
10	02030105100010-01	Millstone R (above Rt 33)	Phosphorus (Total)	01400540,MCHD-5	2002	Aquatic Life		High
10	02030105100010-01	Millstone R (above Rt 33)	Total Suspended Solids (TSS)	01400540,01400530,MCHD-5	2006	Aquatic Life		High
10	02030105110140-01	Millstone R (AmwellRd to BlackwellsMills)	Arsenic	01401900,10-mil-5,10-mil-6	1998	Water Supply		Low
10	02030105110140-01	Millstone R (AmwellRd to BlackwellsMills)	Phosphorus (Total)	01402000,01401900	2004	Aquatic Life		Medium
10	02030105100020-01	Millstone R (Applegarth road to Rt 33)	Arsenic	01400540,10-mil-1	2006	Water Supply		Low
10	02030105100020-01	Millstone R (Applegarth road to Rt 33)	Phosphorus (Total)	01400540,MCHD-5	2006	Aquatic Life		High

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
10	02030105100020-01	Millstone R (Applegarth road to Rt 33)	Total Suspended Solids (TSS)	v	2006	Aquatic Life		High
10	02030105110030-01	Millstone R (Beden Bk to Heathcote Bk)	Arsenic	01401440,10-mil-2	1998	Water Supply		Low
10	02030105110030-01	Millstone R (Beden Bk to Heathcote Bk)	Escherichia coli	01401440	2006	Recreation		Medium
10	02030105110030-01	Millstone R (Beden Bk to Heathcote Bk)	Oxygen, Dissolved	M4	2010	Aquatic Life		Medium
10	02030105110030-01	Millstone R (Beden Bk to Heathcote Bk)	pH	01401440,BA120A	2002	Aquatic Life		Medium
10	02030105110030-01	Millstone R (Beden Bk to Heathcote Bk)	Phosphorus (Total)	01401440,BA120A	2002	Aquatic Life		Medium
10	02030105110030-01	Millstone R (Beden Bk to Heathcote Bk)	Temperature, water	01401440	2002	Aquatic Life		Medium
10	02030105110170-01	Millstone R (below Amwell Rd)	pH	01402540,BA123A	2002	Aquatic Life		Medium
10	02030105110170-01	Millstone R (below Amwell Rd)	Phosphorus (Total)	01402540,BA123A ,Spooky Brook Pond	2002	Aquatic Life		Medium
10	02030105110110-01	Millstone R (BlackwellsMills to BedenBk)	Arsenic	01460530,01402000,10-mil-5,10-mil-6	2006	Water Supply		Low
10	02030105110110-01	Millstone R (BlackwellsMills to BedenBk)	Phosphorus (Total)	01402000	2002	Aquatic Life		Medium
10	02030105100060-01	Millstone R (Cranbury Bk to Rocky Bk)	Arsenic	01400640	2006	Water Supply		Low
10	02030105100060-01	Millstone R (Cranbury Bk to Rocky Bk)	Phosphorus (Total)	01400640,BA117A,UMR 2	2002	Aquatic Life		High
10	02030105100060-01	Millstone R (Cranbury Bk to Rocky Bk)	Total Suspended Solids (TSS)	01400640,BA117A	2014	Aquatic Life		High
10	02030105110020-01	Millstone R (HeathcoteBk to Harrison St)	Escherichia coli	01401440	2014	Recreation		Medium
10	02030105110020-01	Millstone R (HeathcoteBk to Harrison St)	pH	01401440	2014	Aquatic Life		Medium
10	02030105110020-01	Millstone R (HeathcoteBk to Harrison St)	Phosphorus (Total)	01401440	2014	Aquatic Life		High
10	02030105110020-01	Millstone R (HeathcoteBk to Harrison St)	Temperature, water	01401440	2014	Aquatic Life		Medium
10	02030105100030-01	Millstone R (RockyBk to Applegarth road)	Oxygen, Dissolved	UMR1	2010	Aquatic Life		Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
10	02030105100030-01	Millstone R (RockyBk to Applegarth road)	Phosphorus (Total)	01400560	2008	Aquatic Life		High
10	02030105100140-01	Millstone R (Rt 1 to Cranbury Bk)	Arsenic	10-mil-7	2004	Water Supply		Low
10	02030105100140-01	Millstone R (Rt 1 to Cranbury Bk)	Oxygen, Dissolved	UMR3	2010	Aquatic Life		Medium
10	02030105100140-01	Millstone R (Rt 1 to Cranbury Bk)	Phosphorus (Total)	UMR3	2010	Aquatic Life		High
12	02030104070050-01	Mine Brook (Monmouth Co)	Arsenic	01407450	2012	Water Supply		Low
12	02030104070050-01	Mine Brook (Monmouth Co)	Phosphorus (Total)	01407450,MCHD-58	2012	Aquatic Life		Medium
12	02030104100060-01	Mingamahone Brook (above Asbury Rd)	Total Suspended Solids (TSS)	01408009	2006	Aquatic LIfe, Aquatic Life - Trout		Medium
12	02030104100060-01	Mingamahone Brook (above Asbury Rd)	Turbidity	01408009,MCHD-23	2006	Aquatic LIfe, Aquatic Life - Trout		Medium
12	02030104100070-01	Mingamahone Brook (below Asbury Rd)	Escherichia coli	23	2012	Recreation		Medium
12	02030104100070-01	Mingamahone Brook (below Asbury Rd)	Phosphorus (Total)	01408020,MCHD-23	2014	Aquatic LIfe, Aquatic Life - Trout		Medium
12	02030104100070-01	Mingamahone Brook (below Asbury Rd)	Turbidity	MCHD-23	2014	Aquatic LIfe, Aquatic Life - Trout		Medium
11	02040105240030-01	Miry Run (Assunpink Cr)	Arsenic	01463850	2012	Water Supply		Low
04	02030103120040-01	Molly Ann Brook	Arsenic	01389745,01389785	2012	Water Supply		Low
04	02030103120040-01	Molly Ann Brook	Cause Unknown	AN0276	2006	Aquatic Life		Low
04	02030103120040-01	Molly Ann Brook	Total Dissolved Solids (TDS)	01389785	2008	Water Supply		Medium
16	02040302080060-01	Mommy Teal Ck / Cresse Ck / Gravelly Run	Cause Unknown	WACRESS	2014	Aquatic Life		Low
06	02030103030160-01	Montville Tribs	Cause Unknown	AN0253,AN0254	2008	Aquatic Life		Low
11	02040105210040-01	Moore Creek	Temperature, water	01462200	2014	Aquatic Life - Trout		Medium
07	02030104030010-01	Morses Creek / Piles Creek	Arsenic	01393690,7-mor-1	2012	Water Supply		Low
07	02030104030010-01	Morses Creek / Piles Creek	Benzo(a)pyrene (PAHs)	HEP	2008	Fish Consumption		Low
07	02030104030010-01	Morses Creek / Piles Creek	Chlordane in Fish Tissue	HEP	2006	Fish Consumption	L	Low
07	02030104030010-01	Morses Creek / Piles Creek	DDT and its metabolites in Fish Tissue	HEP	2008	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
07	02030104030010-01	Morses Creek / Piles Creek	Dieldrin	HEP	2008	Fish Consumption	L	Low
07	02030104030010-01	Morses Creek / Piles Creek	Dioxin (including 2,3,7,8-TCDD)	HEP	2006	Fish Consumption		Low
07	02030104030010-01	Morses Creek / Piles Creek	Heptachlor epoxide	HEP	2008	Fish Consumption	L	Low
07	02030104030010-01	Morses Creek / Piles Creek	Hexachlorobenzene	HEP	2008	Fish Consumption		Low
07	02030104030010-01	Morses Creek / Piles Creek	Mercury in Fish Tissue	HEP	2008	Fish Consumption		Low
07	02030104030010-01	Morses Creek / Piles Creek	PCB in Fish Tissue	HEP	1998	Fish Consumption	L	Low
07	02030104030010-01	Morses Creek / Piles Creek	Phosphorus (Total)	01393690	2010	Aquatic Life		Medium
14	02040301200100-01	Morses Mill Stream	pH	LMOSTOCK	2014	Aquatic Life		Medium
18	02040202140040-01	Moss Branch / Little Timber Ck (Repaupo)	Cause Unknown	AN0678	2008	Aquatic Life		Low
18	02040202140040-01	Moss Branch / Little Timber Ck (Repaupo)	Mercury in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption		Low
18	02040202140040-01	Moss Branch / Little Timber Ck (Repaupo)	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
01	02040105090040-01	Mountain Lake Brook	Temperature, water	01445520	2014	Aquatic Life		Medium
17	02040206150010-01	Muddy Run (above/incl Elmer Lake)	Cause Unknown	AN0741	2014	Aquatic Life		Low
17	02040206150050-01	Muddy Run (incl ParvinLk to Palatine Lk)	DDT and its metabolites in Fish Tissue	Parvin Lake	2010	Fish Consumption	L	Low
17	02040206150050-01	Muddy Run (incl ParvinLk to Palatine Lk)	PCB in Fish Tissue	Parvin Lake	2010	Fish Consumption	L	Low
08	02030105020030-01	Mulhockaway Creek	Oxygen, Dissolved	01396660	2014	Aquatic Life - Trout		Medium
08	02030105020030-01	Mulhockaway Creek	Temperature, water	01396660	2014	Aquatic Life - Trout	R	Medium
14	02040301170140-01	Mullica River (BatstoR to Nescochague Lake)	DDT and its metabolites in Fish Tissue	Mullica River between Green Bank and Batsto	2010	Fish Consumption	L	Low
14	02040301170140-01	Mullica River (BatstoR to Nescochague Lake)	Mercury in Fish Tissue	Mullica River between Green Bank and Batsto	2010	Fish Consumption		Low
14	02040301170140-01	Mullica River (BatstoR to Nescochague Lake)	PCB in Fish Tissue	Mullica River between Green Bank and Batsto	2010	Fish Consumption	L	Low
14	02040301160140-01	Mullica River (39d40m30s to Rt 206)	Arsenic	0140940050	2012	Water Supply		Low
14	02040301160140-01	Mullica River (39d40m30s to Rt 206)	DDT and its metabolites in Fish Tissue	Mullica River from Atsion to Pleasantville	2006	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
14	02040301160140-01	Mullica River (39d40m30s to Rt 206)	PCB in Fish Tissue	Mullica River from Atsion to Pleasantville	2006	Fish Consumption	L	Low
14	02040301160140-01	Mullica River (39d40m30s to Rt 206)	pH	01409387,0140940050, MMURRBRG	2006	Aquatic Life		Medium
14	02040301160020-01	Mullica River (above Jackson Road)	DDT and its metabolites in Fish Tissue	Atsion Lake	2006	Fish Consumption	L	Low
14	02040301160020-01	Mullica River (above Jackson Road)	Mercury in Fish Tissue	Atsion Lake	2006	Fish Consumption		Low
14	02040301160020-01	Mullica River (above Jackson Road)	PCB in Fish Tissue	Atsion Lake	2006	Fish Consumption	L	Low
14	02040301160020-01	Mullica River (above Jackson Road)	pH	01409375	2002	Aquatic Life		Medium
14	02040301170040-01	Mullica River (BatstoR to PleasantMills)	DDT and its metabolites in Fish Tissue	Mullica River between Green Bank and Batsto	2006	Fish Consumption	L	Low
14	02040301170040-01	Mullica River (BatstoR to PleasantMills)	Mercury in Fish Tissue	Mullica River between Green Bank and Batsto	2006	Fish Consumption		Low
14	02040301170040-01	Mullica River (BatstoR to PleasantMills)	PCB in Fish Tissue	Mullica River between Green Bank and Batsto	2010	Fish Consumption	L	Low
14	02040301210010-01	Mullica River (below GSP bridge)	Mercury in Fish Tissue	Mullica River between Green Bank and Batsto	2010	Fish Consumption		Low
14	02040301210010-01	Mullica River (below GSP bridge)	PCB in Fish Tissue	Mullica River between Green Bank and Batsto	2010	Fish Consumption	L	Low
14	02040301200080-01	Mullica River (GSP bridge to Turtle Ck)	Mercury in Fish Tissue	Mullica River between Green Bank and Batsto	2010	Fish Consumption		Low
14	02040301200080-01	Mullica River (GSP bridge to Turtle Ck)	PCB in Fish Tissue	Mullica River between Green Bank and Batsto	2010	Fish Consumption	L	Low
14	02040301170080-01	Mullica River (Lower Bank Rd to Rt 563)	Mercury in Fish Tissue	Mullica River between Green Bank and Batsto	2006	Fish Consumption		Low
14	02040301170080-01	Mullica River (Lower Bank Rd to Rt 563)	PCB in Fish Tissue	Mullica River between Green Bank and Batsto	2006	Fish Consumption	L	Low
14	02040301160150-01	Mullica River (Pleasant Mills to 39d40m30s)	DDT and its metabolites in Fish Tissue	Mullica R,Mullical R from Atsion to Pleasantville	2006	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
14	02040301160150-01	Mullica River (Pleasant Mills to 39d40m30s)	PCB in Fish Tissue	Mullica R,Mullical R from Atsion to Pleasantville	2010	Fish Consumption	L	Low
14	02040301160150-01	Mullica River (Pleasant Mills to 39d40m30s)	pH	01409411,NNEWESTM	2002	Aquatic Life		Medium
14	02040301160030-01	Mullica River (Rt 206 to Jackson Road)	DDT and its metabolites in Fish Tissue	Atsion Lake	2006	Fish Consumption	L	Low
14	02040301160030-01	Mullica River (Rt 206 to Jackson Road)	PCB in Fish Tissue	Atsion Lake	2006	Fish Consumption	L	Low
14	02040301160030-01	Mullica River (Rt 206 to Jackson Road)	pH	01409387,MMUDIKES, MMUGOSHN	2014	Aquatic Life		Medium
14	02040301170060-01	Mullica River (Rt 563 to Batsto River)	Arsenic	01409525	2012	Water Supply	A	Low
14	02040301170060-01	Mullica River (Rt 563 to Batsto River)	Mercury in Fish Tissue	Mullica River between Green Bank and Batsto	2006	Fish Consumption		Low
14	02040301170060-01	Mullica River (Rt 563 to Batsto River)	PCB in Fish Tissue	Mullica River between Green Bank and Batsto	2006	Fish Consumption	L	Low
14	02040301170130-01	Mullica River (Turtle Ck to Lower BankRd)	Mercury in Fish Tissue	Mullica River between Green Bank and Batsto	2006	Fish Consumption		Low
14	02040301170130-01	Mullica River (Turtle Ck to Lower BankRd)	PCB in Fish Tissue	Mullica River between Green Bank and Batsto	2006	Fish Consumption	L	Low
01	02040105160070-01	Musconetcong R (below Warren Glen)	Arsenic	01457400,1-mus-5	2012	Water Supply		Low
01	02040105160070-01	Musconetcong R (below Warren Glen)	Oxygen, Dissolved	MR3	2014	Aquatic Life - Trout		Medium
01	02040105160020-01	Musconetcong R (Changewater to HancesBk)	Arsenic	01456200,1-mus-3	2006	Water Supply		Low
01	02040105160020-01	Musconetcong R (Changewater to HancesBk)	pH	GDD5/SDD5	2014	Aquatic LIfe, Aquatic Life - Trout		Medium
01	02040105160010-01	Musconetcong R (Hances Bk thru Trout Bk)	Arsenic	01456200,1-mus-3	1998	Water Supply		Low
01	02040105160010-01	Musconetcong R (Hances Bk thru Trout Bk)	Temperature, water	01456210	2014	Aquatic Life - Trout		Medium
01	02040105150080-01	Musconetcong R (SaxtonFalls to Waterloo)	Arsenic	01456200,1-mus-3	2006	Water Supply		Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
01	02040105150100-01	Musconetcong R (Trout Bk to SaxtonFalls)	Arsenic	01456200,1-mus-3	2006	Water Supply		Low
01	02040105150100-01	Musconetcong R (Trout Bk to SaxtonFalls)	pH	GDU1/SDU1	2014	Aquatic LIfe, Aquatic Life - Trout		Medium
01	02040105160060-01	Musconetcong R (Warren Glen to I-78)	Arsenic	01457120,1-mus-4	2012	Water Supply		Low
01	02040105150070-01	Musconetcong R (Waterloo to/incl WillsBk)	Cause Unknown	AN0064	2014	Aquatic Life		Low
01	02040105150030-01	Musconetcong R (Wills Bk to LkHopatcong)	Mercury in Fish Tissue	Lake Musconetcong	2012	Fish Consumption		Low
01	02040105150030-01	Musconetcong R (Wills Bk to LkHopatcong)	PCB in Fish Tissue	Lake Musconetcong	2012	Fish Consumption	L	Low
01	02040105150030-01	Musconetcong R (Wills Bk to LkHopatcong)	pH	01455500,MSA1	2002	Aquatic LIfe, Aquatic Life - Trout		Medium
01	02040105150030-01	Musconetcong R (Wills Bk to LkHopatcong)	Temperature, water	01455500	2002	Aquatic Life - Trout		Medium
17	02040206200020-01	Muskee Creek	Arsenic	01412120	2012	Water Supply	A	Low
17	02040206200020-01	Muskee Creek	Mercury in Water Column	01412120	2008	Water Supply		Low
17	02040206200020-01	Muskee Creek	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
17	02040206100060-01	Nantuxent Creek (above Newport Landing)	PCB in Fish Tissue	Cedarville Ponds,Delaware Bay Tribs	2006	Fish Consumption	L	Low
17	02040206100070-01	Nantuxent Creek (below Newport Landing)	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
12	02030104070110-01	Navesink R (below Rt 35)/LowerShrewsbury	DDT and its metabolites in Fish Tissue	Navesink River (At Red Bank)	2006	Fish Consumption	L	Low
12	02030104070110-01	Navesink R (below Rt 35)/LowerShrewsbury	Oxygen, Dissolved	MCHD-37	2006	Aquatic Life		Medium
12	02030104070110-01	Navesink R (below Rt 35)/LowerShrewsbury	PCB in Fish Tissue	Navesink River (At Red Bank)	2006	Fish Consumption	L	Low
12	02030104070120-01	Navesink R mouth	DDT and its metabolites in Fish Tissue	Navesink River at Fairhaven,Shrewsbury River at Oc	2010	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
12	02030104070120-01	Navesink R mouth	Mercury in Fish Tissue	Navesink River at Fairhaven,Shrewsbury River at Oc	2010	Fish Consumption		Low
12	02030104070120-01	Navesink R mouth	Oxygen, Dissolved	1020B	2006	Aquatic Life		Medium
12	02030104070120-01	Navesink R mouth	PCB in Fish Tissue	Navesink River at Fairhaven,Shrewsbury River at Oc	2006	Fish Consumption	L	Low
08	02030105030070-01	Neshanic River (below Black Brk)	Arsenic	01398000,8-ne-1	2010	Water Supply		Low
08	02030105030070-01	Neshanic River (below Black Brk)	Escherichia coli	01398060	2014	Recreation		Medium
08	02030105030070-01	Neshanic River (below Black Brk)	Oxygen, Dissolved	01398065	2014	Aquatic Life		Medium
08	02030105030070-01	Neshanic River (below Black Brk)	pH	NR2	2010	Aquatic Life		Medium
08	02030105030070-01	Neshanic River (below Black Brk)	Phosphorus (Total)	NR2	2010	Aquatic Life		High
08	02030105030060-01	Neshanic River (below FNR / SNR confl)	Arsenic	01398000,8-ne-1	2006	Water Supply		Low
08	02030105030060-01	Neshanic River (below FNR / SNR confl)	Oxygen, Dissolved	NR1	2010	Aquatic Life		Medium
08	02030105030060-01	Neshanic River (below FNR / SNR confl)	pH	01398000,NR1	2008	Aquatic Life		Medium
08	02030105030060-01	Neshanic River (below FNR / SNR confl)	Phosphorus (Total)	01398000,NR1	2002	Aquatic Life		High
17	02040206110070-01	New England Creek (Kenny Pt to Elder Pt)	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
11	02040105230030-01	New Sharon Branch (Assunpink Creek)	Escherichia coli	MCHD-4	2014	Recreation		Medium
11	02040105230030-01	New Sharon Branch (Assunpink Creek)	Phosphorus (Total)	MCHD-4	2002	Aquatic Life		Medium
01	02040105070020-01	New Wawayanda Lake/Andover Pond trib	Cause Unknown	AN0036	2012	Aquatic Life		Low
01	02040105070020-01	New Wawayanda Lake/Andover Pond trib	Chlordane in Fish Tissue	Lake Aeroflex	2014	Fish Consumption	L	Low
01	02040105070020-01	New Wawayanda Lake/Andover Pond trib	Mercury in Fish Tissue	Lake Aeroflex	2014	Fish Consumption		Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
01	02040105070020-01	New Wawayanda Lake/Andover Pond trib	PCB in Fish Tissue	Lake Aeroflex	2014	Fish Consumption	L	Low
07	02030104010010-01	Newark Airport Peripheral Ditch	Benzo(a)pyrene (PAHs)	HEP	2007	Fish Consumption		Low
07	02030104010010-01	Newark Airport Peripheral Ditch	Chlordane in Fish Tissue	HEP	2007	Fish Consumption	L	Low
07	02030104010010-01	Newark Airport Peripheral Ditch	DDT and its metabolites in Fish Tissue	HEP	2012	Fish Consumption	L	Low
07	02030104010010-01	Newark Airport Peripheral Ditch	Dieldrin	HEP	2007	Fish Consumption	L	Low
07	02030104010010-01	Newark Airport Peripheral Ditch	Dioxin (including 2,3,7,8-TCDD)	HEP	2006	Fish Consumption		Low
07	02030104010010-01	Newark Airport Peripheral Ditch	Heptachlor epoxide	HEP	2012	Fish Consumption	L	Low
07	02030104010010-01	Newark Airport Peripheral Ditch	Hexachlorobenzene	HEP	2012	Fish Consumption		Low
07	02030104010010-01	Newark Airport Peripheral Ditch	Mercury in Fish Tissue	HEP	2007	Fish Consumption		Low
07	02030104010010-01	Newark Airport Peripheral Ditch	PCB in Fish Tissue	HEP	2006	Fish Consumption	L	Low
07	02030104010010-01	Newark Airport Peripheral Ditch	Phosphorus (Total)	Weequahic Lake	2008	Aquatic Life		Medium
17	02040206110010-01	Newport Neck (Nantuxent to Beadons Ck)	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
18	02040202120090-01	Newton Creek (LDRV-Kaighn Ave to LT Ck)	Arsenic	01467312	2008	Water Supply		Low
18	02040202120090-01	Newton Creek (LDRV-Kaighn Ave to LT Ck)	Chlordane in Fish Tissue	Newton Lake,Newton Creek,North (at Mt Ephriam Ave	2008	Fish Consumption	L	Low
18	02040202120090-01	Newton Creek (LDRV-Kaighn Ave to LT Ck)	DDT and its metabolites in Fish Tissue	Newton Lake,Newton Creek,North (at Mt Ephriam Ave	2010	Fish Consumption	L	Low
18	02040202120090-01	Newton Creek (LDRV-Kaighn Ave to LT Ck)	Escherichia coli	01467312,Newton Creek at Route 130,Newton Creek nr mouth	2008	Recreation		Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
18	02040202120090-01	Newton Creek (LDRV-Kaighn Ave to LT Ck)	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2008	Fish Consumption	L	Low
18	02040202120090-01	Newton Creek (LDRV-Kaighn Ave to LT Ck)	Phosphorus (Total)	01467312,Newton Ck @ Route 130,Newton Ck nr mouth	2004	Aquatic Life	R	Medium
20	02040201040060-01	North Run (above Wrightstown bypass)	Arsenic	01464380	2008	Water Supply		Low
20	02040201040060-01	North Run (above Wrightstown bypass)	Phosphorus (Total)	01464380	2006	Aquatic Life		Medium
12	02030104070090-01	Nut Swamp Brook	Cause Unknown	AN0464	2008	Aquatic Life		Low
12	02030104070090-01	Nut Swamp Brook	Escherichia coli	MCHD-89	2014	Recreation		Medium
09	02030105130030-01	Oakeys Brook	Cause Unknown	AN0432	2012	Aquatic Life		Low
13	02040301070060-01	Old Hurricane Brook (above 74d22m30s)	Cause Unknown	AN0531	2012	Aquatic Life		Low
13	02040301070060-01	Old Hurricane Brook (above 74d22m30s)	Escherichia coli	AN0531	2014	Recreation		Medium
18	02040202160010-01	Oldmans Creek (above Commissioners Rd)	Arsenic	01477440	2012	Water Supply		Low
18	02040202160060-01	Oldmans Creek (below Center Sq Rd)	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
18	02040202160050-01	Oldmans Creek (Center Sq Rd to KingsHwy)	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2008	Fish Consumption	L	Low
18	02040202160050-01	Oldmans Creek (Center Sq Rd to KingsHwy)	Total Suspended Solids (TSS)	01477520	2006	Aquatic Life		Medium
19	02040202020020-01	Ong Run / Jacks Run	pH	01465965,Lake at the Woods	2004	Aquatic Life	R	Medium
17	02040206110030-01	Oranoaken Creek	Oxygen, Dissolved	R45	2006	Aquatic Life		Medium
17	02040206110030-01	Oranoaken Creek	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
14	02040301180020-01	Oswego River (above Rt 539)	Arsenic	01409880	2012	Water Supply		Low
14	02040301180020-01	Oswego River (above Rt 539)	Oxygen, Dissolved	01409880	2008	Aquatic Life		Medium
14	02040301180020-01	Oswego River (above Rt 539)	Total Suspended Solids (TSS)	01409880	2012	Aquatic Life		Medium
14	02040301180060-01	Oswego River (Andrews Rd to Sim Place Resv)	PCB in Fish Tissue	Lake Oswego	2010	Fish Consumption	L	Low
14	02040301180040-01	Oswego River (Sim Place Resv to Rt 539)	Arsenic	01409880	2012	Water Supply		Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
14	02040301180040-01	Oswego River (Sim Place Resv to Rt 539)	Oxygen, Dissolved	01409880	2008	Aquatic Life		Medium
14	02040301180040-01	Oswego River (Sim Place Resv to Rt 539)	Total Suspended Solids (TSS)	01409880	2012	Aquatic Life		Medium
05	02030103180040-01	Overpeck Creek	Chlordane in Fish Tissue	AN0212	2006	Fish Consumption	L	Low
05	02030103180040-01	Overpeck Creek	DDT and its metabolites in Fish Tissue	Overpeck Creek Lake,Overpeck Creek (at Ridgefield)	2006	Fish Consumption	L	Low
05	02030103180040-01	Overpeck Creek	Dioxin (including 2,3,7,8-TCDD)	Overpeck Creek Lake,Overpeck Creek (at Ridgefield)	2006	Fish Consumption		Low
05	02030103180040-01	Overpeck Creek	Escherichia coli	HEP	2006	Recreation		Medium
05	02030103180040-01	Overpeck Creek	PCB in Fish Tissue	01378583	2006	Fish Consumption	L	Low
13	02040301110050-01	Oyster Creek (below Rt 532)	Escherichia coli	Overpeck Creek Lake,Overpeck Creek (at Ridgefield)	2014	Recreation		Medium
17	02040206150030-01	Palatine Branch (Muddy Run)	Cause Unknown	BT10	2008	Aquatic Life		Low
02	02020007020070-01	Papakating Ck (below Pellettown)	Cause Unknown	AN0743,AN0744	2008	Aquatic Life		Low
02	02020007020030-01	Papakating Ck (Pellettown-Frankford Plns)	Cause Unknown	AN0307	2006	Aquatic Life		Low
18	02040202140030-01	Pargay Creek	Escherichia coli	01476625,01476640	2008	Recreation		Medium
18	02040202140030-01	Pargay Creek	Phosphorus (Total)	01476640,01476625	2008	Aquatic Life		Medium
19	02040202080010-01	Parkers Creek (above Marne Highway)	Phosphorus (Total)	01467011	2006	Aquatic Life	R	Medium
12	02030104080020-01	Parkers Creek / Oceanport Creek	DDT and its metabolites in Fish Tissue	Shrewsbury River at Oceanport	2006	Fish Consumption	L	Low
12	02030104080020-01	Parkers Creek / Oceanport Creek	Mercury in Fish Tissue	Shrewsbury River at Oceanport	2006	Fish Consumption		Low
12	02030104080020-01	Parkers Creek / Oceanport Creek	PCB in Fish Tissue	Shrewsbury River at Oceanport	2006	Fish Consumption	L	Low
12	02030104080020-01	Parkers Creek / Oceanport Creek	pH	MCHD-32	2006	Aquatic Life		Medium
12	02030104080020-01	Parkers Creek / Oceanport Creek	Phosphorus (Total)	MCHD-32,MCHD-33	2002	Aquatic Life		Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
17	02040206080030-01	Parsonage Run / Foster Run	Arsenic	01412710	2012	Water Supply		Low
17	02040206080030-01	Parsonage Run / Foster Run	Mercury in Water Column	01412710	2012	Water Supply		Low
17	02040206080030-01	Parsonage Run / Foster Run	Total Suspended Solids (TSS)	01412710	2010	Aquatic Life		Medium
17	02040206140070-01	Parvin Branch / Tarkiln Branch	Cause Unknown	AN0750	2006	Aquatic Life		Low
05	02030103170010-01	Pascack Brook (above Westwood gage)	Arsenic	01377358	2012	Water Supply		Low
05	02030103170020-01	Pascack Brook (below Westwood gage)	Arsenic	01377499,01377500,5-pas-1	2004	Water Supply		Low
05	02030103170020-01	Pascack Brook (below Westwood gage)	Oxygen, Dissolved	MB001,MB002,MB004, MB005	2010	Aquatic Life		Medium
05	02030103170020-01	Pascack Brook (below Westwood gage)	pH	MB001,MB005,MB006	2010	Aquatic Life		Medium
05	02030103170020-01	Pascack Brook (below Westwood gage)	Total Dissolved Solids (TDS)	01377500	2006	Water Supply		Medium
04	02030103150040-01	Passaic R Lwr (4th St br to Second R)	Arsenic	Passaic River - Tidal	2002	Fish Consumption		Low
04	02030103150040-01	Passaic R Lwr (4th St br to Second R)	Benzo(a)pyrene (PAHs)	HEP	2008	Fish Consumption		Low
04	02030103150040-01	Passaic R Lwr (4th St br to Second R)	Chlordane in Fish Tissue	HEP	2006	Fish Consumption	L	Low
04	02030103150040-01	Passaic R Lwr (4th St br to Second R)	DDT and its metabolites in Fish Tissue	HEP	2008	Fish Consumption	L	Low
04	02030103150040-01	Passaic R Lwr (4th St br to Second R)	Dieldrin	HEP	2008	Fish Consumption	L	Low
04	02030103150040-01	Passaic R Lwr (4th St br to Second R)	Dioxin (including 2,3,7,8-TCDD)	HEP	2006	Fish Consumption		Low
04	02030103150040-01	Passaic R Lwr (4th St br to Second R)	Heptachlor epoxide	HEP	2008	Fish Consumption	L	Low
04	02030103150040-01	Passaic R Lwr (4th St br to Second R)	Mercury in Fish Tissue	HEP	2006	Fish Consumption		Low
04	02030103150040-01	Passaic R Lwr (4th St br to Second R)	Oxygen, Dissolved	NJHDG-11	2012	Aquatic Life		Medium
04	02030103150040-01	Passaic R Lwr (4th St br to Second R)	PCB in Fish Tissue	HEP	2008	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
04	02030103120080-01	Passaic R Lwr (Dundee Dam to F.L. Ave)	Arsenic	01389870,01389880,4-site-5	2006	Water Supply		Low
04	02030103120080-01	Passaic R Lwr (Dundee Dam to F.L. Ave)	Chlordane in Fish Tissue	Dundee Lake,Passaic River at Elmwood Park	2006	Fish Consumption	L	Low
04	02030103120080-01	Passaic R Lwr (Dundee Dam to F.L. Ave)	DDT and its metabolites in Fish Tissue	Dundee Lake,Passaic River at Elmwood Park	2006	Fish Consumption	L	Low
04	02030103120080-01	Passaic R Lwr (Dundee Dam to F.L. Ave)	Escherichia coli	01389880	2014	Recreation		Medium
04	02030103120080-01	Passaic R Lwr (Dundee Dam to F.L. Ave)	Mercury in Fish Tissue	Dundee Lake,Passaic River at Elmwood Park	2006	Fish Consumption		Low
04	02030103120080-01	Passaic R Lwr (Dundee Dam to F.L. Ave)	PCB in Fish Tissue	Dundee Lake,Passaic River at Elmwood Park	2006	Fish Consumption	L	Low
04	02030103120080-01	Passaic R Lwr (Dundee Dam to F.L. Ave)	pH	NJHDG-4	2014	Aquatic Life		Medium
04	02030103120070-01	Passaic R Lwr (Fair Lawn Ave to Goffle)	Arsenic	01389895,4-site-5	2006	Water Supply		Low
04	02030103120070-01	Passaic R Lwr (Fair Lawn Ave to Goffle)	Chlordane in Fish Tissue	Passaic River at Elmwood Park	2006	Fish Consumption	L	Low
04	02030103120070-01	Passaic R Lwr (Fair Lawn Ave to Goffle)	DDT and its metabolites in Fish Tissue	Passaic River at Elmwood Park	2006	Fish Consumption	L	Low
04	02030103120070-01	Passaic R Lwr (Fair Lawn Ave to Goffle)	Mercury in Fish Tissue	Passaic River at Elmwood Park	2006	Fish Consumption		Low
04	02030103120070-01	Passaic R Lwr (Fair Lawn Ave to Goffle)	PCB in Fish Tissue	Passaic River at Elmwood Park	2006	Fish Consumption	L	Low
04	02030103120070-01	Passaic R Lwr (Fair Lawn Ave to Goffle)	pH	NJHDG-3	2014	Aquatic Life		Medium
04	02030103120110-01	Passaic R Lwr (Goeffle Bk to Pump stn)	Arsenic	01389500,01389630,4-pas-3,4-site-6	1998	Water Supply		Low
04	02030103120110-01	Passaic R Lwr (Goeffle Bk to Pump stn)	Chlordane in Fish Tissue	Passaic River at Elmwood Park	2010	Fish Consumption	L	Low
04	02030103120110-01	Passaic R Lwr (Goeffle Bk to Pump stn)	DDT and its metabolites in Fish Tissue	Passaic River at Elmwood Park	2010	Fish Consumption	L	Low
04	02030103120110-01	Passaic R Lwr (Goeffle Bk to Pump stn)	Mercury in Fish Tissue	Passaic River at Elmwood Park	2010	Fish Consumption		Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
04	02030103120110-01	Passaic R Lwr (Goeffle Bk to Pump stn)	PCB in Fish Tissue	Passaic River at Elmwood Park	2012	Fish Consumption	L	Low
04	02030103120110-01	Passaic R Lwr (Goeffle Bk to Pump stn)	pH	NJHDG-2	2014	Aquatic Life		Medium
04	02030103120100-01	Passaic R Lwr (Goffle Bk to Pompton R)	Arsenic	01389130,4-pas-3,4-site-6,4-pas-4,4-site-4	1998	Water Supply		Low
04	02030103120100-01	Passaic R Lwr (Goffle Bk to Pompton R)	Chlordane in Fish Tissue	Passaic River Great Piece,Passaic River at Pompton	2008	Fish Consumption	L	Low
04	02030103120100-01	Passaic R Lwr (Goffle Bk to Pompton R)	DDT and its metabolites in Fish Tissue	Passaic River Great Piece,Passaic River at Pompton	2006	Fish Consumption	L	Low
04	02030103120100-01	Passaic R Lwr (Goffle Bk to Pompton R)	Mercury in Fish Tissue	Passaic River Great Piece,Passaic River at Pompton	2006	Fish Consumption		Low
04	02030103120100-01	Passaic R Lwr (Goffle Bk to Pompton R)	PCB in Fish Tissue	Passaic River Great Piece,Passaic River at Pompton	2008	Fish Consumption	L	Low
04	02030103120100-01	Passaic R Lwr (Goffle Bk to Pompton R)	pH	01389005	2014	Aquatic Life		Medium
04	02030103150050-01	Passaic R Lwr (Nwk Bay to 4th St brdg)	Arsenic	Passaic River - Tidal	2014	Fish Consumption		Low
04	02030103150050-01	Passaic R Lwr (Nwk Bay to 4th St brdg)	Benzo(a)pyrene (PAHs)	HEP	2008	Fish Consumption		Low
04	02030103150050-01	Passaic R Lwr (Nwk Bay to 4th St brdg)	Cause Unknown	NB205	2014	Aquatic Life		Low
04	02030103150050-01	Passaic R Lwr (Nwk Bay to 4th St brdg)	Chlordane in Fish Tissue	HEP	2006	Fish Consumption	L	Low
04	02030103150050-01	Passaic R Lwr (Nwk Bay to 4th St brdg)	DDT and its metabolites in Fish Tissue	HEP	2012	Fish Consumption	L	Low
04	02030103150050-01	Passaic R Lwr (Nwk Bay to 4th St brdg)	Dieldrin	HEP	2008	Fish Consumption	L	Low
04	02030103150050-01	Passaic R Lwr (Nwk Bay to 4th St brdg)	Dioxin (including 2,3,7,8-TCDD)	HEP	2006	Fish Consumption		Low
04	02030103150050-01	Passaic R Lwr (Nwk Bay to 4th St brdg)	Heptachlor epoxide	HEP	2008	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
04	02030103150050-01	Passaic R Lwr (Nwk Bay to 4th St brdg)	Mercury in Fish Tissue	HEP	2006	Fish Consumption		Low
04	02030103150050-01	Passaic R Lwr (Nwk Bay to 4th St brdg)	PCB in Fish Tissue	HEP	2006	Fish Consumption	L	Low
04	02030103120090-01	Passaic R Lwr (Saddle R to Dundee Dam)	Arsenic	01389895,4-site-5	1998	Water Supply		Low
04	02030103120090-01	Passaic R Lwr (Saddle R to Dundee Dam)	Benzo(a)pyrene (PAHs)	HEP	2008	Fish Consumption		Low
04	02030103120090-01	Passaic R Lwr (Saddle R to Dundee Dam)	Chlordane in Fish Tissue	Passaic River at Lyndhurst	2008	Fish Consumption	L	Low
04	02030103120090-01	Passaic R Lwr (Saddle R to Dundee Dam)	DDT and its metabolites in Fish Tissue	Passaic River at Lyndhurst	2008	Fish Consumption	L	Low
04	02030103120090-01	Passaic R Lwr (Saddle R to Dundee Dam)	Dieldrin	HEP	2008	Fish Consumption	L	Low
04	02030103120090-01	Passaic R Lwr (Saddle R to Dundee Dam)	Dioxin (including 2,3,7,8-TCDD)	HEP	2006	Fish Consumption		Low
04	02030103120090-01	Passaic R Lwr (Saddle R to Dundee Dam)	Heptachlor epoxide	HEP	2008	Fish Consumption	L	Low
04	02030103120090-01	Passaic R Lwr (Saddle R to Dundee Dam)	Mercury in Fish Tissue	Passaic River at Lyndhurst	2006	Fish Consumption		Low
04	02030103120090-01	Passaic R Lwr (Saddle R to Dundee Dam)	PCB in Fish Tissue	Passaic River at Lyndhurst	2008	Fish Consumption	L	Low
04	02030103120090-01	Passaic R Lwr (Saddle R to Dundee Dam)	pH	NJHDG-5,Passaic-8	2012	Aquatic Life		Medium
04	02030103120090-01	Passaic R Lwr (Saddle R to Dundee Dam)	Phosphorus (Total)	NJHDG-5,Passaic1,Passaic-8	2006	Aquatic Life		Medium
04	02030103150030-01	Passaic R Lwr (Second R to Saddle R)	Arsenic	Passaic River – Tidal	2006	Water Supply		Low
04	02030103150030-01	Passaic R Lwr (Second R to Saddle R)	Benzo(a)pyrene (PAHs)	HEP	2008	Fish Consumption		Low
04	02030103150030-01	Passaic R Lwr (Second R to Saddle R)	Chlordane in Fish Tissue	HEP	2006	Fish Consumption	L	Low
04	02030103150030-01	Passaic R Lwr (Second R to Saddle R)	DDT and its metabolites in Fish Tissue	HEP	2008	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
04	02030103150030-01	Passaic R Lwr (Second R to Saddle R)	Dieldrin	HEP	2008	Fish Consumption	L	Low
04	02030103150030-01	Passaic R Lwr (Second R to Saddle R)	Dioxin (including 2,3,7,8-TCDD)	HEP	2006	Fish Consumption		Low
04	02030103150030-01	Passaic R Lwr (Second R to Saddle R)	Heptachlor epoxide	HEP	2008	Fish Consumption	L	Low
04	02030103150030-01	Passaic R Lwr (Second R to Saddle R)	Oxygen, Dissolved	NJHDG-8	2012	Aquatic Life		Medium
04	02030103150030-01	Passaic R Lwr (Second R to Saddle R)	PCB in Fish Tissue	HEP	2008	Fish Consumption	L	Low
04	02030103150030-01	Passaic R Lwr (Second R to Saddle R)	pH	NJHDG-7	2014	Aquatic Life		Medium
04	02030103150030-01	Passaic R Lwr (Second R to Saddle R)	Phosphorus (Total)	NJHDG-7	2014	Aquatic Life		Medium
04	02030103150030-01	Passaic R Lwr (Second R to Saddle R)	Total Suspended Solids (TSS)	NJHDG-7	2012	Aquatic Life		Medium
06	02030103010130-01	Passaic R Upr (40d 45m to Snyder Ave)	Arsenic	01379504,01379500,6-pas-2,6-site-1	1998	Water Supply		Low
06	02030103010130-01	Passaic R Upr (40d 45m to Snyder Ave)	Total Suspended Solids (TSS)	01379500,01379504,BA135	2006	Aquatic Life		Medium
06	02030103010010-01	Passaic R Upr (above Osborn Mills)	pH	NPS-IG1,NPS-PR1,NPS-FRBT	2014	Aquatic LIfe, Aquatic Life - Trout		Medium
06	02030103010150-01	Passaic R Upr (Columbia Rd to 40d 45m)	Arsenic	01379504,01379500,6-pas-2,6-site-1	2006	Water Supply		Low
06	02030103010150-01	Passaic R Upr (Columbia Rd to 40d 45m)	Total Suspended Solids (TSS)	01379500	2006	Aquatic Life		Medium
06	02030103010070-01	Passaic R Upr (Dead R to Osborn Mills)	Arsenic	01379000,6-pas-1,6-site-2	1998	Water Supply		Low
06	02030103010070-01	Passaic R Upr (Dead R to Osborn Mills)	Oxygen, Dissolved	PA2	2010	Aquatic Life	R	Medium
06	02030103010160-01	Passaic R Upr (HanoverRR to ColumbiaRd)	Total Dissolved Solids (TDS)	01379580	2004	Water Supply		Medium
06	02030103010160-01	Passaic R Upr (HanoverRR to ColumbiaRd)	Total Suspended Solids (TSS)	01379580	2006	Aquatic Life		Medium
06	02030103010180-01	Passaic R Upr (Pine Bk br to Rockaway)	Arsenic	01382000,6-site-3	2006	Water Supply		Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
06	02030103010180-01	Passaic R Upr (Pine Bk br to Rockaway)	Chlordane in Fish Tissue	Passaic River Great Piece	2006	Fish Consumption	L	Low
06	02030103010180-01	Passaic R Upr (Pine Bk br to Rockaway)	DDT and its metabolites in Fish Tissue	Passaic River Great Piece	2006	Fish Consumption	L	Low
06	02030103010180-01	Passaic R Upr (Pine Bk br to Rockaway)	Mercury in Fish Tissue	Passaic River Great Piece	2014	Fish Consumption		Low
06	02030103010180-01	Passaic R Upr (Pine Bk br to Rockaway)	PCB in Fish Tissue	Passaic River Great Piece	2006	Fish Consumption	L	Low
06	02030103010110-01	Passaic R Upr (Plainfield Rd to Dead R)	Arsenic	01379300,6-pas-2,6-site-1	2006	Water Supply		Low
06	02030103010110-01	Passaic R Upr (Plainfield Rd to Dead R)	Oxygen, Dissolved	PA3	2008	Aquatic Life		Medium
06	02030103010110-01	Passaic R Upr (Plainfield Rd to Dead R)	Total Suspended Solids (TSS)	01379500	2006	Aquatic Life		Medium
06	02030103040010-01	Passaic R Upr (Pompton R to Pine Bk)	Arsenic	01382000,6-site-3	1998	Water Supply		Low
06	02030103040010-01	Passaic R Upr (Pompton R to Pine Bk)	Chlordane in Fish Tissue	Passaic River Great Piece,Passaic River at Pompton	2006	Fish Consumption	L	Low
06	02030103040010-01	Passaic R Upr (Pompton R to Pine Bk)	DDT and its metabolites in Fish Tissue	Passaic River Great Piece,Passaic River at Pompton	2006	Fish Consumption	L	Low
06	02030103040010-01	Passaic R Upr (Pompton R to Pine Bk)	Mercury in Fish Tissue	Passaic River Great Piece,Passaic River at Pompton	2006	Fish Consumption		Low
06	02030103040010-01	Passaic R Upr (Pompton R to Pine Bk)	PCB in Fish Tissue	Passaic River Great Piece,Passaic River at Pompton	2008	Fish Consumption	L	Low
06	02030103040010-01	Passaic R Upr (Pompton R to Pine Bk)	Total Suspended Solids (TSS)	01382000	2014	Aquatic Life		Medium
06	02030103010170-01	Passaic R Upr (Rockaway to Hanover RR)	Chlordane in Fish Tissue	Passaic River at Hatfield Swamp	2006	Fish Consumption	L	Low
06	02030103010170-01	Passaic R Upr (Rockaway to Hanover RR)	DDT and its metabolites in Fish Tissue	Passaic River at Hatfield Swamp	2006	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
06	02030103010170-01	Passaic R Upr (Rockaway to Hanover RR)	Oxygen, Dissolved	PA5	2010	Aquatic Life		Medium
06	02030103010170-01	Passaic R Upr (Rockaway to Hanover RR)	PCB in Fish Tissue	Passaic River at Hatfield Swamp	2006	Fish Consumption	L	Low
06	02030103010170-01	Passaic R Upr (Rockaway to Hanover RR)	Total Dissolved Solids (TDS)	01379580	2004	Water Supply		Medium
06	02030103010170-01	Passaic R Upr (Rockaway to Hanover RR)	Total Suspended Solids (TSS)	01379580	2006	Aquatic Life		Medium
06	02030103010120-01	Passaic R Upr (Snyder to Plainfield Rd)	Arsenic	01379300,6-pas-2,6-site-1	2006	Water Supply		Low
06	02030103010120-01	Passaic R Upr (Snyder to Plainfield Rd)	Oxygen, Dissolved	PA3	2008	Aquatic Life		Medium
06	02030103010120-01	Passaic R Upr (Snyder to Plainfield Rd)	Total Suspended Solids (TSS)	01379500	2006	Aquatic Life		Medium
01	02040105040060-01	Paulins Kill (above Rt 15)	Oxygen, Dissolved	01443250	2004	Aquatic Life		Medium
01	02040105040060-01	Paulins Kill (above Rt 15)	Phosphorus (Total)	01443250	2004	Aquatic Life	R	Medium
01	02040105050050-01	Paulins Kill (below Blairstown gage)	Mercury in Fish Tissue	Columbia Lake	2012	Fish Consumption		Low
01	02040105050050-01	Paulins Kill (below Blairstown gage)	PCB in Fish Tissue	Columbia Lake	2012	Fish Consumption	L	Low
01	02040105050050-01	Paulins Kill (below Blairstown gage)	Temperature, water	DRBCNJ0036	2004	Aquatic Life - Trout		Medium
01	02040105050010-01	Paulins Kill (Blairstown to Stillwater)	Mercury in Fish Tissue	White Lake	2012	Fish Consumption		Low
01	02040105050010-01	Paulins Kill (Blairstown to Stillwater)	PCB in Fish Tissue	White Lake	2012	Fish Consumption	L	Low
01	02040105050010-01	Paulins Kill (Blairstown to Stillwater)	Temperature, water	01443500	2002	Aquatic Life - Trout		Medium
01	02040105040080-01	Paulins Kill (PK Lk outlet to Dry Brook)	Arsenic	01443441,01443440,1-pau-1	2004	Water Supply		Low
01	02040105040090-01	Paulins Kill (Stillwater Vil to PK Lake)	Temperature, water	01443500	2002	Aquatic Life - Trout		Medium
08	02030105060050-01	Peapack Brook (above/incl Gladstone Bk)	Cause Unknown	NB3,PB04	2014	Aquatic Life		Low
08	02030105060060-01	Peapack Brook (below Gladstone Brook)	Cause Unknown	PB08	2014	Aquatic Life		Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
04	02030103120010-01	Peckman River (above CG Res trib)	Cause Unknown	AN0275A	2008	Aquatic Life		Low
04	02030103120020-01	Peckman River (below CG Res trib)	PCB in Fish Tissue	Passic R at Pompton,Passic R at Hatfield Swamp	2006	Fish Consumption	L	Low
19	02040202040020-01	Pemberton / Ft Dix trib (NB Rancocas Ck)	Cause Unknown	AN0150	2006	Aquatic Life		Low
19	02040202040020-01	Pemberton / Ft Dix trib (NB Rancocas Ck)	Escherichia coli	BFBM000046	2012	Recreation		Medium
18	02040202100060-01	Pennsauken Ck (below NB / SB)	Arsenic	01467082	2006	Water Supply		Low
18	02040202100060-01	Pennsauken Ck (below NB / SB)	Chlordane in Fish Tissue	Pennsauken Creek,Pennsauken Creek @ Forked Landing	2006	Fish Consumption	L	Low
18	02040202100060-01	Pennsauken Ck (below NB / SB)	DDT and its metabolites in Fish Tissue	Pennsauken Creek,Pennsauken Creek @ Forked Landing	2006	Fish Consumption	L	Low
18	02040202100060-01	Pennsauken Ck (below NB / SB)	Escherichia coli	BFBM000056	2012	Recreation		Medium
18	02040202100060-01	Pennsauken Ck (below NB / SB)	Lead	01467082	1998	Water Supply		Low
18	02040202100060-01	Pennsauken Ck (below NB / SB)	Oxygen, Dissolved	01467082	2008	Aquatic Life		Medium
18	02040202100060-01	Pennsauken Ck (below NB / SB)	PCB in Fish Tissue	Pennsauken Creek,Pennsauken Creek @ Forked Landing	2006	Fish Consumption	L	Low
18	02040202100060-01	Pennsauken Ck (below NB / SB)	Phosphorus (Total)	01467082	2002	Aquatic Life		Medium
18	02040202100010-01	Pennsauken Ck NB (above NJTPK)	Arsenic	01467069,18-pe-1,18-pe-2	2014	Water Supply		Low
18	02040202100010-01	Pennsauken Ck NB (above NJTPK)	Cause Unknown	AN0179	2014	Aquatic Life		Low
18	02040202100030-01	Pennsauken Ck NB (below Strawbridge Lk)	Arsenic	01467069,18-pe-1,18-pe-2	2006	Water Supply		Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
18	02040202100020-01	Pennsauken Ck NB (incl StrwbrdgLk-NJTPK)	Arsenic	01467069,18-pe-1,18-pe-2	1998	Water Supply		Low
18	02040202100020-01	Pennsauken Ck NB (incl StrwbrdgLk-NJTPK)	Chlordane in Fish Tissue	Strawbridge Lake at Moorestown	2008	Fish Consumption	L	Low
18	02040202100020-01	Pennsauken Ck NB (incl StrwbrdgLk-NJTPK)	DDT and its metabolites in Fish Tissue	Strawbridge Lake at Moorestown	2008	Fish Consumption	L	Low
18	02040202100020-01	Pennsauken Ck NB (incl StrwbrdgLk-NJTPK)	PCB in Fish Tissue	Strawbridge Lake at Moorestown	2008	Fish Consumption	L	Low
18	02040202100040-01	Pennsauken Ck SB (above Rt 41)	Arsenic	01467080,01467075,18-pe-3	1998	Water Supply		Low
18	02040202100040-01	Pennsauken Ck SB (above Rt 41)	Oxygen, Dissolved	Penn-SBPCB	2008	Aquatic Life		Medium
18	02040202100040-01	Pennsauken Ck SB (above Rt 41)	Phosphorus (Total)	01467080,Penn-SBPC2/SBPC3/SBPC4/SBPCB	2006	Aquatic Life		Medium
18	02040202100040-01	Pennsauken Ck SB (above Rt 41)	Total Suspended Solids (TSS)	01467081	2006	Aquatic Life		Medium
18	02040202100050-01	Pennsauken Ck SB (below Rt 41)	Arsenic	01467080,01467081,01467708130,18-pe-3	2006	Water Supply		Low
18	02040202100050-01	Pennsauken Ck SB (below Rt 41)	Phosphorus (Total)	01467080,Penn-SBPC4	2006	Aquatic Life		Medium
18	02040202100050-01	Pennsauken Ck SB (below Rt 41)	Total Suspended Solids (TSS)	01467081	2006	Aquatic Life		Medium
15	02040302030070-01	Penny Pot Stream (GEHR)	pH	UPENN8TH	2006	Aquatic Life		Medium
03	02030103050030-01	Pequannock R (above OakRidge Res outlet)	Arsenic	01382170	2012	Water Supply		Low
03	02030103050030-01	Pequannock R (above OakRidge Res outlet)	Escherichia coli	01382170	2012	Recreation		Medium
03	02030103050030-01	Pequannock R (above OakRidge Res outlet)	Oxygen, Dissolved	01382210	2014	Aquatic Life - Trout	R	Medium
03	02030103050080-01	Pequannock R (below Macopin gage)	Chlordane in Fish Tissue	Pompton R at Pequannock R	2008	Fish Consumption	L	Low
03	02030103050080-01	Pequannock R (below Macopin gage)	DDT and its metabolites in Fish Tissue	Pompton R at Pequannock R	2006	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
03	02030103050080-01	Pequannock R (below Macopin gage)	PCB in Fish Tissue	Pompton R at Pequannock R	2008	Fish Consumption	L	Low
03	02030103050080-01	Pequannock R (below Macopin gage)	Temperature, water	01382800,PQ10/15/14, Pqblmr,Pqmltb,Pqbtlr,Pqrvdl	2002	Aquatic Life - Trout		Medium
03	02030103050050-01	Pequannock R (Charlotteburg to OakRidge)	Arsenic	01382310	2012	Water Supply		Low
03	02030103050050-01	Pequannock R (Charlotteburg to OakRidge)	Oxygen, Dissolved	01382310	2012	Aquatic Life - Trout	R	Medium
03	02030103050060-01	Pequannock R (Macopin gage to Charl'brg)	Cause Unknown	AN0263,AN0264	2012	Aquatic Life		Low
01	02040105070030-01	Pequest R (above Brighton)	Oxygen, Dissolved	Muckshaw Ponds	2010	Aquatic Life		Medium
01	02040105090060-01	Pequest R (below Furnace Brook)	Arsenic	01446400,01445500,1-peq-3	1998	Water Supply		Low
01	02040105090060-01	Pequest R (below Furnace Brook)	pH	01446400,DRBCNJ0033	2014	Aquatic LIfe, Aquatic Life - Trout		Medium
01	02040105090030-01	Pequest R (Furnace Bk to Cemetary Road)	Cause Unknown	FIBI003	2014	Aquatic Life		Low
01	02040105070040-01	Pequest R (Trout Brook to Brighton)	Escherichia coli	01444990	2008	Recreation		Medium
01	02040105070040-01	Pequest R (Trout Brook to Brighton)	pH	Turtle Pond	2014	Aquatic Life		Medium
09	02030105080010-01	Peters Brook	Cause Unknown	AN0376,FIBI025	2006	Aquatic Life		Low
12	02030104060060-01	Pews Creek to Shrewsbury River	Arsenic	01407090	2012	Water Supply		Low
12	02030104060060-01	Pews Creek to Shrewsbury River	Chlordane in Fish Tissue	HEP	2006	Fish Consumption	L	Low
12	02030104060060-01	Pews Creek to Shrewsbury River	DDT and its metabolites in Fish Tissue	HEP	2006	Fish Consumption	L	Low
12	02030104060060-01	Pews Creek to Shrewsbury River	Mercury in Fish Tissue	HEP	2006	Fish Consumption		Low
12	02030104060060-01	Pews Creek to Shrewsbury River	PCB in Fish Tissue	HEP	2006	Fish Consumption	L	Low
12	02030104060060-01	Pews Creek to Shrewsbury River	Phosphorus (Total)	01407090	2010	Aquatic Life		Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
12	02030104060060-01	Pews Creek to Shrewsbury River	Total Coliform	Shellfish Network	2014	Shellfish		Medium
17	02040206070090-01	Phillips Creek / Jacobs Creek	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
10	02030105110080-01	Pike Run (above Cruser Brook)	Cause Unknown	AN0402,AN0404,AN0405	2008	Aquatic Life		Low
10	02030105110100-01	Pike Run (below Cruser Brook)	Phosphorus (Total)	01401700	2008	Aquatic Life		High
12	02030104070080-01	Pine Brook / Hockhockson Brook	Arsenic	01407520	2012	Water Supply		Low
12	02030104070080-01	Pine Brook / Hockhockson Brook	Phosphorus (Total)	MCHD-34,MCHD-75	2014	Aquatic LIfe, Aquatic Life - Trout		Medium
12	02030104070080-01	Pine Brook / Hockhockson Brook	Temperature, water	AN0475	2012	Aquatic Life - Trout		Medium
17	02040206090090-01	Pine Mount Creek	Cause Unknown	AN0717	2008	Aquatic Life		Low
08	02030105040020-01	Pleasant Run	Cause Unknown	AN0340,SBWA15	2006	Aquatic Life		Low
08	02030105040020-01	Pleasant Run	Escherichia coli	01398090	2006	Recreation		Medium
01	02040105140010-01	Pohatcong Ck (above Rt 31)	Temperature, water	01455135	2004	Aquatic Life - Trout		Medium
01	02040105140070-01	Pohatcong Ck (below Springtown) incl UDRV	Phosphorus (Total)	DRBCNJ0027	2004	Aquatic LIfe, Aquatic Life - Trout		Medium
01	02040105140020-01	Pohatcong Ck (Brass Castle Ck to Rt 31)	Arsenic	01455200	2012	Water Supply		Low
01	02040105140020-01	Pohatcong Ck (Brass Castle Ck to Rt 31)	Total Suspended Solids (TSS)	01455200	2008	Aquatic LIfe, Aquatic Life - Trout		Medium
01	02040105140030-01	Pohatcong Ck (Edison Rd-Brass Castle Ck)	Arsenic	01455200	2012	Water Supply		Low
01	02040105140030-01	Pohatcong Ck (Edison Rd-Brass Castle Ck)	pH	01455200	2002	Aquatic LIfe, Aquatic Life - Trout		Medium
01	02040105140030-01	Pohatcong Ck (Edison Rd-Brass Castle Ck)	Phosphorus (Total)	01455200	2002	Aquatic LIfe, Aquatic Life - Trout		Medium
01	02040105140030-01	Pohatcong Ck (Edison Rd-Brass Castle Ck)	Total Suspended Solids (TSS)	01455200	2008	Aquatic LIfe, Aquatic Life - Trout		Medium
01	02040105140050-01	Pohatcong Ck (Merrill Ck to Edison Rd)	Arsenic	01455200	2012	Water Supply		Low
01	02040105140050-01	Pohatcong Ck (Merrill Ck to Edison Rd)	pH	01455200	2008	Aquatic Life		Medium
01	02040105140050-01	Pohatcong Ck (Merrill Ck to Edison Rd)	Phosphorus (Total)	01455200	2002	Aquatic Life		Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
01	02040105140050-01	Pohatcong Ck (Merrill Ck to Edison Rd)	Total Suspended Solids (TSS)	01455200	2008	Aquatic Life		Medium
01	02040105140060-01	Pohatcong Ck (Springtown to Merrill Ck)	Arsenic	01455240	2012	Water Supply		Low
19	02040202030060-01	Pole Bridge Br (CountryLk dam - Co line)	Oxygen, Dissolved	01466130	2014	Aquatic Life		Medium
18	02040202090020-01	Pompeston Creek (above Rt 130)	Escherichia coli	BFBM000034	2008	Recreation		Medium
18	02040202090020-01	Pompeston Creek (above Rt 130)	Oxygen, Dissolved	PM 003	2010	Aquatic Life	R	Medium
18	02040202090020-01	Pompeston Creek (above Rt 130)	pH	PM 002,PM 003	2010	Aquatic Life	R	Medium
18	02040202090020-01	Pompeston Creek (above Rt 130)	Phosphorus (Total)	PM 002,PM 003	2008	Aquatic Life	R	Medium
18	02040202090030-01	Pompeston Creek (below Rt130/Swede to 40d)	Cause Unknown	AN0177	2006	Aquatic Life		Low
18	02040202090030-01	Pompeston Creek (below Rt130/Swede to 40d)	Escherichia coli	BFBM000034	2012	Recreation		Medium
18	02040202090030-01	Pompeston Creek (below Rt130/Swede to 40d)	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
03	02030103110020-01	Pompton River	Cause Unknown	AN0270,AN0268	2012	Aquatic Life		Low
03	02030103110020-01	Pompton River	Chlordane in Fish Tissue	Passaic River at Pompton	2008	Fish Consumption	L	Low
03	02030103110020-01	Pompton River	DDT and its metabolites in Fish Tissue	Passaic River at Pompton	2006	Fish Consumption	L	Low
03	02030103110020-01	Pompton River	Escherichia coli	01388850	2008	Recreation		Medium
03	02030103110020-01	Pompton River	Lead	01388600,3-site-7,01388500	2007	Water Supply		Low
03	02030103110020-01	Pompton River	PCB in Fish Tissue	Passaic River at Pompton	2008	Fish Consumption	L	Low
16	02040206230070-01	Pond Creek / Cape May Canal West	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
11	02040105240040-01	Pond Run	Total Suspended Solids (TSS)	01463920	2006	Aquatic Life		Medium
11	02040105240040-01	Pond Run	Turbidity	01463920	2010	Aquatic Life		Medium
12	02030104090020-01	Poplar Brook	Phosphorus (Total)	01407630	2002	Aquatic Life		Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
12	02030104070100-01	Poricy Bk/Swimming R(below SwimmingR Rd)	DDT and its metabolites in Fish Tissue	Navesink River at Fairhaven	2006	Fish Consumption	L	Low
12	02030104070100-01	Poricy Bk/Swimming R(below SwimmingR Rd)	Oxygen, Dissolved	MCHD-41	2006	Aquatic Life		Medium
12	02030104070100-01	Poricy Bk/Swimming R(below SwimmingR Rd)	PCB in Fish Tissue	Navesink River at Fairhaven	2006	Fish Consumption	L	Low
08	02030105050050-01	Pottersville trib (Lamington River)	Temperature, water	01399520	2012	Aquatic Life - Trout		Medium
04	02030103120030-01	Preakness Brook / Naachtpunkt Brook	Cause Unknown	AN0272,AN0273	2006	Aquatic Life		Low
08	02030105020090-01	Prescott Brook / Round Valley Reservior	Arsenic	01397160	2012	Water Supply		Low
08	02030105020090-01	Prescott Brook / Round Valley Reservior	Escherichia coli	BFBM000027	2012	Recreation		Medium
06	02030103010020-01	Primrose Brook	Arsenic	01378780	2012	Water Supply		Low
06	02030103010020-01	Primrose Brook	Oxygen, Dissolved	PB2	2010	Aquatic Life - Trout	R	Medium
06	02030103010020-01	Primrose Brook	pH	PB1,PB2,PRB,NPS-WP1/WP2/CSP/JB2	2010	Aquatic LIfe, Aquatic Life - Trout	R	Medium
06	02030103010020-01	Primrose Brook	Temperature, water	PRB,PB2	2010	Aquatic Life - Trout		Medium
06	02030103010020-01	Primrose Brook	Turbidity	PRB	2012	Aquatic LIfe, Aquatic Life - Trout		Medium
14	02040301160070-01	Pump Branch (above 74d53m road)	pH	01409408	2002	Aquatic Life		Medium
14	02040301160080-01	Pump Branch (below 74d53m road)	pH	01409408,NPUMDIKE,NPUHALUW	2002	Aquatic Life		Medium
02	02020007030020-01	Quarryville Brook	Temperature, water	BFBM000188	2014	Aquatic Life - Trout		Medium
18	02040202150060-01	Raccoon Ck (below Swedesboro rd)/BirchCk	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2014	Fish Consumption	L	Low
18	02040202150020-01	Raccoon Ck (Rt 45 to/incl Clems Run)	pH	0147710950	2014	Aquatic Life	R	Medium
18	02040202150020-01	Raccoon Ck (Rt 45 to/incl Clems Run)	Phosphorus (Total)	01477110	2010	Aquatic Life		Medium
18	02040202150040-01	Raccoon Ck (Russell Mill Rd to Rt 45)	Arsenic	01477110,01477120,18-rac-1	2006	Water Supply		Low
18	02040202150040-01	Raccoon Ck (Russell Mill Rd to Rt 45)	Chlordane in Fish Tissue	Raccoon Creek at Swedesboro	2006	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
18	02040202150040-01	Raccoon Ck (Russell Mill Rd to Rt 45)	DDT and its metabolites in Fish Tissue	Raccoon Creek at Swedesboro	2006	Fish Consumption	L	Low
18	02040202150040-01	Raccoon Ck (Russell Mill Rd to Rt 45)	PCB in Fish Tissue	Raccoon Creek at Swedesboro	2006	Fish Consumption	L	Low
18	02040202150040-01	Raccoon Ck (Russell Mill Rd to Rt 45)	pH	01477110	2014	Aquatic Life	R	Medium
18	02040202150040-01	Raccoon Ck (Russell Mill Rd to Rt 45)	Phosphorus (Total)	01477120,0147710950	2002	Aquatic Life		Medium
18	02040202150040-01	Raccoon Ck (Russell Mill Rd to Rt 45)	Turbidity	01477120	2006	Aquatic Life		Medium
18	02040202150050-01	Raccoon Ck (Swedesboro rd-RussellMillRd)	Phosphorus (Total)	Basgalore Lake	2014	Aquatic Life		Medium
18	02040202150030-01	Raccoon Ck SB	Cause Unknown	AN0682	2014	Aquatic Life		Low
17	02040206070070-01	Raccoon Ditch (Stow Creek)	Oxygen, Dissolved	R51	2012	Aquatic Life		Medium
17	02040206070070-01	Raccoon Ditch (Stow Creek)	PCB in Fish Tissue	Delaware Bay Tribs	2008	Fish Consumption	L	Low
07	02030104050100-01	Rahway River (below Robinsons Branch)	Benzo(a)pyrene (PAHs)	HEP	2008	Fish Consumption		Low
07	02030104050100-01	Rahway River (below Robinsons Branch)	Chlordane in Fish Tissue	HEP	2008	Fish Consumption	L	Low
07	02030104050100-01	Rahway River (below Robinsons Branch)	DDT and its metabolites in Fish Tissue	HEP	2012	Fish Consumption	L	Low
07	02030104050100-01	Rahway River (below Robinsons Branch)	Dieldrin	HEP	2008	Fish Consumption	L	Low
07	02030104050100-01	Rahway River (below Robinsons Branch)	Dioxin (including 2,3,7,8-TCDD)	HEP	2006	Fish Consumption		Low
07	02030104050100-01	Rahway River (below Robinsons Branch)	Heptachlor epoxide	HEP	2012	Fish Consumption	L	Low
07	02030104050100-01	Rahway River (below Robinsons Branch)	Hexachlorobenzene	HEP	2012	Fish Consumption		Low
07	02030104050100-01	Rahway River (below Robinsons Branch)	Mercury in Fish Tissue	HEP	2010	Fish Consumption		Low
07	02030104050100-01	Rahway River (below Robinsons Branch)	PCB in Fish Tissue	HEP	2006	Fish Consumption	L	Low
07	02030104050040-01	Rahway River (Kenilworth Blvd to EB / WB)	Arsenic	01394500	2006	Water Supply		Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
07	02030104050040-01	Rahway River (Kenilworth Blvd to EB / WB)	Phosphorus (Total)	01394500	2004	Aquatic Life		Medium
07	02030104050060-01	Rahway River (Robinsons Br to KenilworthBlvd)	Arsenic	01395000,7-rah-1	2004	Water Supply		Low
07	02030104050060-01	Rahway River (Robinsons Br to KenilworthBlvd)	Mercury in Fish Tissue	Rahway R at Valley Road Pond	2008	Fish Consumption		Low
07	02030104050060-01	Rahway River (Robinsons Br to KenilworthBlvd)	Oxygen, Dissolved	Rahway River Park Lake,Nomahegan Park Lake	2010	Aquatic Life		Medium
07	02030104050060-01	Rahway River (Robinsons Br to KenilworthBlvd)	Phosphorus (Total)	01395000,01394630,Rahway Park Lake,Bloodgoods Pond	2002	Aquatic Life		Medium
07	02030104050090-01	Rahway River SB	Dioxin (including 2,3,7,8-TCDD)	HEP	2006	Fish Consumption		Low
07	02030104050090-01	Rahway River SB	PCB in Fish Tissue	HEP	2006	Fish Consumption	L	Low
07	02030104050090-01	Rahway River SB	Phosphorus (Total)	01396030	2004	Aquatic Life		Medium
07	02030104050090-01	Rahway River SB	Total Dissolved Solids (TDS)	01396030	2006	Water Supply		Medium
07	02030104050010-01	Rahway River WB	Phosphorus (Total)	01393960,Campbells Pond	2002	Aquatic Life		Medium
07	02030104050010-01	Rahway River WB	Sulfates	01393960	2006	Water Supply		Low
07	02030104050010-01	Rahway River WB	Total Dissolved Solids (TDS)	01393960	2002	Water Supply		Medium
03	02030103100010-01	Ramapo R (above 74d 11m 00s)	Oxygen, Dissolved	RA1	2010	Aquatic Life		Medium
03	02030103100030-01	Ramapo R (above Fyke Bk to 74d 11m 00s)	Temperature, water	BFBM000189	2014	Aquatic Life - Trout		Medium
03	02030103100040-01	Ramapo R (Bear Swamp Bk thru Fyke Bk)	pH	Bear Swamp Lake 2	2010	Aquatic Life	R	Medium
03	02030103100070-01	Ramapo R (below Crystal Lake bridge)	Chlordane in Fish Tissue	Pompton Lake,Ramapo Lake,Ramapo River at Pompton Falls	2008	Fish Consumption	L	Low
03	02030103100070-01	Ramapo R (below Crystal Lake bridge)	DDT and its metabolites in Fish Tissue	Pompton Lake,Ramapo Lake,Ramapo River at Pompton Falls	2008	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
03	02030103100070-01	Ramapo R (below Crystal Lake bridge)	Mercury in Fish Tissue	Pompton Lake,Ramapo Lake,Ramapo River at Pompton Falls	2010	Fish Consumption		Low
03	02030103100070-01	Ramapo R (below Crystal Lake bridge)	PCB in Fish Tissue	Pompton Lake,Ramapo Lake,Ramapo River at Pompton Falls	2010	Fish Consumption	L	Low
03	02030103100070-01	Ramapo R (below Crystal Lake bridge)	pH	01388100,01388000,PRTMDL-RA3,DROUGHT5	2004	Aquatic Life		Medium
03	02030103100070-01	Ramapo R (below Crystal Lake bridge)	Temperature, water	01388000	2014	Aquatic Life		Medium
03	02030103100050-01	Ramapo R (Crystal Lk br to BearSwamp Bk)	Temperature, water	01387700	2014	Aquatic Life - Trout		Medium
19	02040202080050-01	Rancocas Ck (below Rt 130)	Mercury in Fish Tissue	Rancocas Creek at Riverside	2014	Fish Consumption		Low
19	02040202080050-01	Rancocas Ck (below Rt 130)	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2010	Fish Consumption	L	Low
19	02040202080020-01	Rancocas Ck (Martins Beach to NB/SB)	Escherichia coli	BFBM000020	2012	Recreation		Medium
19	02040202080020-01	Rancocas Ck (Martins Beach to NB/SB)	Mercury in Fish Tissue	Rancocas Creek at Centerton	2014	Fish Consumption		Low
19	02040202080020-01	Rancocas Ck (Martins Beach to NB/SB)	Oxygen, Dissolved	RCW-M1	2014	Aquatic Life	R	Medium
19	02040202080020-01	Rancocas Ck (Martins Beach to NB/SB)	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
19	02040202080020-01	Rancocas Ck (Martins Beach to NB/SB)	Phosphorus (Total)	01467011,RCW-M1	2004	Aquatic Life	R	Medium
19	02040202080040-01	Rancocas Ck (Rt 130 to Martins Beach)	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
19	02040202040050-01	Rancocas Ck NB (below Smithville)	Arsenic	01467005,19-ra-4n	2004	Water Supply		Low
19	02040202040050-01	Rancocas Ck NB (below Smithville)	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
19	02040202040050-01	Rancocas Ck NB (below Smithville)	Phosphorus (Total)	01467005,RCW-N1,RCW-N3	2002	Aquatic Life	R	Medium
19	02040202020030-01	Rancocas Ck NB (incl Mirror Lk-GauntsBk)	Arsenic	01465950,19-ra-1n	2012	Water Supply	A	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
19	02040202020030-01	Rancocas Ck NB (incl Mirror Lk-GauntsBk)	Chlordane in Fish Tissue	Mirror Lake	2012	Fish Consumption	L	Low
19	02040202020030-01	Rancocas Ck NB (incl Mirror Lk-GauntsBk)	Copper	01465950,19-ra-1n	2004	Aquatic Life		Low
19	02040202020030-01	Rancocas Ck NB (incl Mirror Lk-GauntsBk)	DDT and its metabolites in Fish Tissue	Mirror Lake	2012	Fish Consumption	L	Low
19	02040202020030-01	Rancocas Ck NB (incl Mirror Lk-GauntsBk)	Lead	01465950,19-ra-1n	1998	Water Supply		Low
19	02040202020030-01	Rancocas Ck NB (incl Mirror Lk-GauntsBk)	Mercury in Fish Tissue	Mirror Lake	2008	Fish Consumption		Low
19	02040202020030-01	Rancocas Ck NB (incl Mirror Lk-GauntsBk)	PCB in Fish Tissue	Mirror Lake	2012	Fish Consumption	L	Low
19	02040202020030-01	Rancocas Ck NB (incl Mirror Lk-GauntsBk)	pH	01465970,NNOMIRRS	2002	Aquatic Life	R	Medium
19	02040202020040-01	Rancocas Ck NB (NL dam to Mirror Lk)	Arsenic	01467000,01465950,19-ra-1n,19-ra-3n	2014	Water Supply		Low
19	02040202020040-01	Rancocas Ck NB (NL dam to Mirror Lk)	Copper	01467000,01465950,19-ra-1n,19-ra-3n	2014	Aquatic Life		Low
19	02040202020040-01	Rancocas Ck NB (NL dam to Mirror Lk)	Escherichia coli	01465970	2006	Recreation		Medium
19	02040202020040-01	Rancocas Ck NB (NL dam to Mirror Lk)	Mercury in Fish Tissue	Mirror Lake	2012	Fish Consumption		Low
19	02040202020040-01	Rancocas Ck NB (NL dam to Mirror Lk)	pH	01465970,NNOMIRRS,NNONEWLI,RCW-NBRanc1	2002	Aquatic Life	R	Medium
19	02040202040010-01	Rancocas Ck NB (Pemberton br to NL dam)	Arsenic	01467000,19-ra-3n	2008	Water Supply		Low
19	02040202040010-01	Rancocas Ck NB (Pemberton br to NL dam)	Copper	01467000,19-ra-3n	2002	Aquatic Life		Low
19	02040202040010-01	Rancocas Ck NB (Pemberton br to NL dam)	pH	RCW-NBRanc1	2014	Aquatic Life	R	Medium
19	02040202040030-01	Rancocas Ck NB (Rt 206 to Pemberton br)	Arsenic	01467000,19-ra-3n,19-ra-4n	2006	Water Supply		Low
19	02040202040030-01	Rancocas Ck NB (Rt 206 to Pemberton br)	Copper	01467000,19-ra-3n	2002	Aquatic Life		Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
19	02040202040030-01	Rancocas Ck NB (Rt 206 to Pemberton br)	Phosphorus (Total)	RCW-NBRanc2/NBRanc3/NBRanc4/IR1	2006	Aquatic Life	R	Medium
19	02040202040040-01	Rancocas Ck NB (Smithville to Rt 206)	Arsenic	01467005,19-ra-4n	2006	Water Supply		Low
19	02040202040040-01	Rancocas Ck NB (Smithville to Rt 206)	Phosphorus (Total)	0146700350,RCW-PR1,RCW-PRB	2006	Aquatic Life	R	Medium
19	02040202040040-01	Rancocas Ck NB (Smithville to Rt 206)	Turbidity	RCW-PRB	2014	Aquatic Life		Medium
19	02040202050060-01	Rancocas Ck SB (above Friendship Ck)	Arsenic	01465835	2008	Water Supply		Low
19	02040202050060-01	Rancocas Ck SB (above Friendship Ck)	Escherichia coli	01465835	2008	Recreation		Medium
19	02040202050060-01	Rancocas Ck SB (above Friendship Ck)	PCB in Fish Tissue	Rancocas Tributary between Vincetown/BuDDxown	2006	Fish Consumption	L	Low
19	02040202050060-01	Rancocas Ck SB (above Friendship Ck)	pH	01465835	2008	Aquatic Life	R	Medium
19	02040202050060-01	Rancocas Ck SB (above Friendship Ck)	Phosphorus (Total)	01465835	2008	Aquatic Life	R	Medium
19	02040202070030-01	Rancocas Ck SB (below Rt 38)	Arsenic	01465915,19-ra-1s	2006	Water Supply		Low
19	02040202070030-01	Rancocas Ck SB (below Rt 38)	Escherichia coli	01465915	2006	Recreation		Medium
19	02040202070030-01	Rancocas Ck SB (below Rt 38)	Oxygen, Dissolved	01465915	2012	Aquatic Life	R	Medium
19	02040202070030-01	Rancocas Ck SB (below Rt 38)	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
19	02040202070030-01	Rancocas Ck SB (below Rt 38)	Phosphorus (Total)	01465915	2002	Aquatic Life	R	Medium
19	02040202050090-01	Rancocas Ck SB (BobbysRun to Vincentown)	Arsenic	01465854,01465850,19-ra-1s	2006	Water Supply		Low
19	02040202050090-01	Rancocas Ck SB (BobbysRun to Vincentown)	PCB in Fish Tissue	Rancocas Tributary between Vincetown/BuDDxown	2006	Fish Consumption	L	Low
19	02040202050090-01	Rancocas Ck SB (BobbysRun to Vincentown)	pH	01465850,RCW-SB1	2002	Aquatic Life	R	Medium
19	02040202050090-01	Rancocas Ck SB (BobbysRun to Vincentown)	Phosphorus (Total)	01465854,01465850,RCW-SBRanc1/SBRanc2/SB1/SB2	2006	Aquatic Life	R	Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
19	02040202070020-01	Rancocas Ck SB (Rt 38 to Bobbys Run)	Arsenic	01465915,19-ra-1s	2004	Water Supply		Low
19	02040202070020-01	Rancocas Ck SB (Rt 38 to Bobbys Run)	Escherichia coli	01465915	2006	Recreation		Medium
19	02040202070020-01	Rancocas Ck SB (Rt 38 to Bobbys Run)	Oxygen, Dissolved	01465915	2012	Aquatic Life	R	Medium
19	02040202070020-01	Rancocas Ck SB (Rt 38 to Bobbys Run)	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
19	02040202070020-01	Rancocas Ck SB (Rt 38 to Bobbys Run)	Phosphorus (Total)	01465915	2002	Aquatic Life	R	Medium
19	02040202050080-01	Rancocas Ck SB (Vincentown-FriendshipCk)	Arsenic	01465835,19-ra-3s	2008	Water Supply		Low
19	02040202050080-01	Rancocas Ck SB (Vincentown-FriendshipCk)	Escherichia coli	01465835	2008	Recreation		Medium
19	02040202050080-01	Rancocas Ck SB (Vincentown-FriendshipCk)	Oxygen, Dissolved	01465835,Vincentown Millpond	2008	Aquatic Life	R	Medium
19	02040202050080-01	Rancocas Ck SB (Vincentown-FriendshipCk)	PCB in Fish Tissue	Rancocas Tributary between Vincetown/BuDDxown	2006	Fish Consumption	L	Low
19	02040202050080-01	Rancocas Ck SB (Vincentown-FriendshipCk)	pH	01465835	2008	Aquatic Life	R	Medium
19	02040202050080-01	Rancocas Ck SB (Vincentown-FriendshipCk)	Phosphorus (Total)	01465835,Vincentown Millpond	2006	Aquatic Life	R	Medium
19	02040202060080-01	Rancocas Ck SW Branch (above Medford br)	Arsenic	01465857	2008	Water Supply		Low
19	02040202060080-01	Rancocas Ck SW Branch (above Medford br)	Nitrates	SBR3	2008	Aquatic Life		Medium
19	02040202060080-01	Rancocas Ck SW Branch (above Medford br)	pH	SBR2,SBR3	2008	Aquatic Life	R	Medium
19	02040202060080-01	Rancocas Ck SW Branch (above Medford br)	Phosphorus (Total)	01465857,SBR0,SBR2,SBR3	2006	Aquatic Life	R	Medium
19	02040202060080-01	Rancocas Ck SW Branch (above Medford br)	Total Suspended Solids (TSS)	SBR0	2008	Aquatic Life	R	Medium
19	02040202060100-01	Rancocas Ck SW Branch (below Medford br)	Arsenic	01465882,19-ra-2s	2004	Water Supply		Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
19	02040202060100-01	Rancocas Ck SW Branch (below Medford br)	Oxygen, Dissolved	01465882,RCW-SRB,RCW-SWBRanc1,RCW-SR1	2008	Aquatic Life	R	Medium
19	02040202060100-01	Rancocas Ck SW Branch (below Medford br)	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
19	02040202060100-01	Rancocas Ck SW Branch (below Medford br)	pH	01465882,RCW-SWBRanc1	2008	Aquatic Life	R	Medium
19	02040202060100-01	Rancocas Ck SW Branch (below Medford br)	Phosphorus (Total)	01465900,01465884,01465882,RCW-SWBRanc1/SRB/SR1	2006	Aquatic Life	R	Medium
12	02030104910030-01	Raritan Bay (deep water)	Benzo(a)pyrene (PAHs)	HEP	2008	Fish Consumption		Low
12	02030104910030-01	Raritan Bay (deep water)	Cause Unknown	RB024,RB027,RB203,RB210,RB216	2014	Aquatic Life		Low
12	02030104910030-01	Raritan Bay (deep water)	Chlordane in Fish Tissue	Raritan Bay @ Keansburg,Sandy Hook Bay	2006	Fish Consumption	L	Low
12	02030104910030-01	Raritan Bay (deep water)	DDT and its metabolites in Fish Tissue	Raritan Bay @ Keansburg,Sandy Hook Bay	2012	Fish Consumption	L	Low
12	02030104910030-01	Raritan Bay (deep water)	Dieldrin	HEP	2008	Fish Consumption	L	Low
12	02030104910030-01	Raritan Bay (deep water)	Dioxin (including 2,3,7,8-TCDD)	HEP	2006	Fish Consumption		Low
12	02030104910030-01	Raritan Bay (deep water)	Mercury in Fish Tissue	Raritan Bay @ Keansburg,Sandy Hook Bay	2008	Fish Consumption		Low
12	02030104910030-01	Raritan Bay (deep water)	PCB in Fish Tissue	Raritan Bay @ Keansburg,Sandy Hook Bay	2008	Fish Consumption	L	Low
12	02030104910030-01	Raritan Bay (deep water)	Total Coliform	Shellfish Network	2008	Shellfish		Medium
12	02030104910010-01	Raritan Bay (west of Thorns Ck)	Benzo(a)pyrene (PAHs)	HEP	2008	Fish Consumption		Low
12	02030104910010-01	Raritan Bay (west of Thorns Ck)	Chlordane in Fish Tissue	Raritan River Lower at Union Beach	2006	Fish Consumption	L	Low
12	02030104910010-01	Raritan Bay (west of Thorns Ck)	DDT and its metabolites in Fish Tissue	Raritan River Lower at Union Beach	2012	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
12	02030104910010-01	Raritan Bay (west of Thorns Ck)	Dieldrin	HEP	2008	Fish Consumption	L	Low
12	02030104910010-01	Raritan Bay (west of Thorns Ck)	Dioxin (including 2,3,7,8-TCDD)	HEP	2006	Fish Consumption		Low
12	02030104910010-01	Raritan Bay (west of Thorns Ck)	Oxygen, Dissolved	NJHDG-28	2014	Aquatic Life		Medium
12	02030104910010-01	Raritan Bay (west of Thorns Ck)	PCB in Fish Tissue	Raritan River Lower at Union Beach	2006	Fish Consumption	L	Low
12	02030104910010-01	Raritan Bay (west of Thorns Ck)	pH	Passaic-25	2014	Aquatic Life		Medium
12	02030104910010-01	Raritan Bay (west of Thorns Ck)	Total Coliform	Shellfish Network	2014	Shellfish		Medium
09	02030105160100-01	Raritan R Lwr (below Lawrence Bk)	Benzo(a)pyrene (PAHs)	HEP	2008	Fish Consumption		Low
09	02030105160100-01	Raritan R Lwr (below Lawrence Bk)	Chlordane in Fish Tissue	Raritan River Upper at Rt 1,Raritan @ Rt 35	2008	Fish Consumption	L	Low
09	02030105160100-01	Raritan R Lwr (below Lawrence Bk)	DDT and its metabolites in Fish Tissue	Raritan River Upper at Rt 1,Raritan @ Rt 35	2012	Fish Consumption	L	Low
09	02030105160100-01	Raritan R Lwr (below Lawrence Bk)	Dieldrin	HEP	2008	Fish Consumption	L	Low
09	02030105160100-01	Raritan R Lwr (below Lawrence Bk)	Dioxin (including 2,3,7,8-TCDD)	HEP	2006	Fish Consumption		Low
09	02030105160100-01	Raritan R Lwr (below Lawrence Bk)	Enterococcus	NJHDG-27	2012	Recreation		Medium
09	02030105160100-01	Raritan R Lwr (below Lawrence Bk)	Heptachlor epoxide	HEP	2008	Fish Consumption	L	Low
09	02030105160100-01	Raritan R Lwr (below Lawrence Bk)	Mercury in Fish Tissue	Raritan River Upper at Rt 1,Raritan @ Rt 35	2010	Fish Consumption		Low
09	02030105160100-01	Raritan R Lwr (below Lawrence Bk)	PCB in Fish Tissue	Raritan River Upper at Rt 1,Raritan @ Rt 35	2006	Fish Consumption	L	Low
09	02030105160100-01	Raritan R Lwr (below Lawrence Bk)	Total Coliform	Shellfish Network	2014	Shellfish		Medium
09	02030105120140-01	Raritan R Lwr (I-287 Piscatway-Millstone)	Arsenic	01403300	2004	Water Supply		Low
09	02030105120140-01	Raritan R Lwr (I-287 Piscatway-Millstone)	Benzene	01403300	2006	Water Supply		Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
09	02030105120140-01	Raritan R Lwr (I-287 Piscatway-Millstone)	pH	R4	2014	Aquatic Life		Medium
09	02030105120140-01	Raritan R Lwr (I-287 Piscatway-Millstone)	Phosphorus (Total)	01403300	2002	Aquatic Life		Medium
09	02030105120140-01	Raritan R Lwr (I-287 Piscatway-Millstone)	Total Suspended Solids (TSS)	01403300	2006	Aquatic Life		High
09	02030105120170-01	Raritan R Lwr (Lawrence Bk to Mile Run)	Arsenic	01404170	2002	Water Supply		Low
09	02030105120170-01	Raritan R Lwr (Lawrence Bk to Mile Run)	Benzo(a)pyrene (PAHs)	HEP	2008	Fish Consumption		Low
09	02030105120170-01	Raritan R Lwr (Lawrence Bk to Mile Run)	Chlordane in Fish Tissue	Raritan River @ Route 1 Bridge,Raritan River Upper	2008	Fish Consumption	L	Low
09	02030105120170-01	Raritan R Lwr (Lawrence Bk to Mile Run)	DDT and its metabolites in Fish Tissue	Raritan River @ Route 1 Bridge,Raritan River Upper	2012	Fish Consumption	L	Low
09	02030105120170-01	Raritan R Lwr (Lawrence Bk to Mile Run)	Dieldrin	HEP	2008	Fish Consumption	L	Low
09	02030105120170-01	Raritan R Lwr (Lawrence Bk to Mile Run)	Dioxin (including 2,3,7,8-TCDD)	HEP	2008	Fish Consumption		Low
09	02030105120170-01	Raritan R Lwr (Lawrence Bk to Mile Run)	Enterococcus	NJHDG-26	2012	Recreation		Medium
09	02030105120170-01	Raritan R Lwr (Lawrence Bk to Mile Run)	Heptachlor epoxide	HEP	2008	Fish Consumption	L	Low
09	02030105120170-01	Raritan R Lwr (Lawrence Bk to Mile Run)	Mercury in Fish Tissue	Raritan River @ Route 1 Bridge,Raritan River Upper	2010	Fish Consumption		Low
09	02030105120170-01	Raritan R Lwr (Lawrence Bk to Mile Run)	PCB in Fish Tissue	Raritan River @ Route 1 Bridge,Raritan River Upper	2008	Fish Consumption	L	Low
09	02030105120170-01	Raritan R Lwr (Lawrence Bk to Mile Run)	pH	Passaic-23	2014	Aquatic Life		Medium
09	02030105120170-01	Raritan R Lwr (Lawrence Bk to Mile Run)	Phosphorus (Total)	01404170	2002	Aquatic Life		Medium
09	02030105120170-01	Raritan R Lwr (Lawrence Bk to Mile Run)	Temperature, water	Passaic-23	2014	Aquatic Life		Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
09	02030105120170-01	Raritan R Lwr (Lawrence Bk to Mile Run)	Total Suspended Solids (TSS)	01404170	2006	Aquatic Life		Medium
09	02030105120160-01	Raritan R Lwr (MileRun to I-287 Pisctwy)	Arsenic	01403300,01404170	2004	Water Supply		Low
09	02030105120160-01	Raritan R Lwr (MileRun to I-287 Pisctwy)	Benzene	01403300	2006	Water Supply		Low
09	02030105120160-01	Raritan R Lwr (MileRun to I-287 Pisctwy)	PCB in Fish Tissue	Raritan R at Millstone	2006	Fish Consumption	L	Low
09	02030105120160-01	Raritan R Lwr (MileRun to I-287 Pisctwy)	pH	01460595	2014	Aquatic Life		Medium
09	02030105120160-01	Raritan R Lwr (MileRun to I-287 Pisctwy)	Phosphorus (Total)	01403300,01404170	2006	Aquatic Life		Medium
09	02030105120160-01	Raritan R Lwr (MileRun to I-287 Pisctwy)	Temperature, water	01460595	2014	Aquatic Life		Medium
09	02030105120160-01	Raritan R Lwr (MileRun to I-287 Pisctwy)	Total Suspended Solids (TSS)	01403300,01404170	2006	Aquatic Life	R	Medium
09	02030105080030-01	Raritan R Lwr (Millstone to Rt 206)	pH	R1	2010	Aquatic Life		Medium
09	02030105080030-01	Raritan R Lwr (Millstone to Rt 206)	Phosphorus (Total)	RR1	2014	Aquatic Life		High
09	02030105080030-01	Raritan R Lwr (Millstone to Rt 206)	Temperature, water	01400500	2014	Aquatic Life		Medium
09	02030105080030-01	Raritan R Lwr (Millstone to Rt 206)	Total Suspended Solids (TSS)	RR1	2014	Aquatic Life		High
09	02030105080030-01	Raritan R Lwr (Millstone to Rt 206)	Turbidity	01400500	2014	Aquatic Life		Medium
09	02030105080020-01	Raritan R Lwr (Rt 206 to NB / SB)	pH	01400500,R1	2014	Aquatic Life		Medium
09	02030105080020-01	Raritan R Lwr (Rt 206 to NB / SB)	Phosphorus (Total)	Japanese Garden A,Lake 31A	2010	Aquatic Life		High
09	02030105080020-01	Raritan R Lwr (Rt 206 to NB / SB)	Temperature, water	01400500	2014	Aquatic Life		Medium
09	02030105080020-01	Raritan R Lwr (Rt 206 to NB / SB)	Turbidity	01400500	2014	Aquatic Life		Medium
08	02030105070030-01	Raritan R NB (below Rt 28)	Arsenic	01400000	2012	Water Supply		Low
08	02030105070030-01	Raritan R NB (below Rt 28)	pH	01400000,NBRR7	2012	Aquatic Life		Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
08	02030105060030-01	Raritan R NB (incl McVickers to India Bk)	Oxygen, Dissolved	NBRR1	2012	Aquatic Life - Trout		Medium
08	02030105060030-01	Raritan R NB (incl McVickers to India Bk)	Temperature, water	NBRR1	2010	Aquatic Life - Trout		Medium
08	02030105060070-01	Raritan R NB (incl Mine Bk to Peapack Bk)	Arsenic	01398900	2012	Water Supply		Low
08	02030105060070-01	Raritan R NB (incl Mine Bk to Peapack Bk)	Cause Unknown	AN0352	2008	Aquatic Life		Low
08	02030105060090-01	Raritan R NB (Lamington R to Mine Bk)	Oxygen, Dissolved	NBRR6	2012	Aquatic Life		Medium
08	02030105060040-01	Raritan R NB (Peapack Bk to McVickers Bk)	Total Suspended Solids (TSS)	NBRR4-Rlo	2014	Aquatic LIfe, Aquatic Life - Trout		High
08	02030105070010-01	Raritan R NB (Rt 28 to Lamington R)	Arsenic	01399820	2012	Water Supply		Low
08	02030105070010-01	Raritan R NB (Rt 28 to Lamington R)	Cause Unknown	AN0371	2008	Aquatic Life		Low
08	02030105010060-01	Raritan R SB (Califon br to Long Valley)	Oxygen, Dissolved	SBR4	2010	Aquatic Life - Trout		Medium
08	02030105010060-01	Raritan R SB (Califon br to Long Valley)	pH	SBR4	2014	Aquatic Life, Aquatic Life - Trout		High
08	02030105010060-01	Raritan R SB (Califon br to Long Valley)	Temperature, water	SBR4	2006	Aquatic Life - Trout		Medium
08	02030105010050-01	Raritan R SB (LongValley br to 74d44m15s)	Cause Unknown	SBWA02	2014	Aquatic Life		Low
08	02030105040040-01	Raritan R SB (NB to Pleasant Run)	Arsenic	01398102,8-sb-6	1998	Water Supply		Low
08	02030105040040-01	Raritan R SB (NB to Pleasant Run)	pH	SBRR10,01398102	2010	Aquatic Life		High
08	02030105040040-01	Raritan R SB (NB to Pleasant Run)	Phosphorus (Total)	01398102,SBRR10	2006	Aquatic Life		High
08	02030105040010-01	Raritan R SB (Pleasant Run-Three Bridges)	Arsenic	01397415	2006	Water Supply		Low
08	02030105040010-01	Raritan R SB (Pleasant Run-Three Bridges)	Phosphorus (Total)	SBRR9,01397415	2006	Aquatic Life		High
08	02030105020080-01	Raritan R SB (Prescott Bk to River Rd)	Arsenic	01397000,8-sb-3	2004	Water Supply		Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
08	02030105020080-01	Raritan R SB (Prescott Bk to River Rd)	pH	01397000	2014	Aquatic LIfe, Aquatic Life - Trout		Medium
08	02030105020080-01	Raritan R SB (Prescott Bk to River Rd)	Temperature, water	SBRR8	2006	Aquatic Life - Trout		Medium
08	02030105020070-01	Raritan R SB (River Rd to Spruce Run)	Phosphorus (Total)	SBRR6,SBRR7	2010	Aquatic LIfe, Aquatic Life - Trout		High
08	02030105020070-01	Raritan R SB (River Rd to Spruce Run)	Temperature, water	SB1,SBRR6,SBRR7	2010	Aquatic Life - Trout		Medium
08	02030105020070-01	Raritan R SB (River Rd to Spruce Run)	Total Suspended Solids (TSS)	SBRR6,SBRR7	2010	Aquatic LIfe, Aquatic Life - Trout		High
08	02030105010080-01	Raritan R SB (Spruce Run-StoneMill gage)	Temperature, water	01396535	2002	Aquatic Life - Trout		Medium
08	02030105010070-01	Raritan R SB (StoneMill gage to Califon)	Arsenic	01396350	2012	Water Supply		Low
08	02030105010070-01	Raritan R SB (StoneMill gage to Califon)	Cause Unknown	AN0316	2014	Aquatic Life		Low
08	02030105020100-01	Raritan R SB (Three Bridges-Prescott Bk)	pH	01397000	2014	Aquatic LIfe, Aquatic Life - Trout		Medium
08	02030105020100-01	Raritan R SB (Three Bridges-Prescott Bk)	Phosphorus (Total)	SBRR9	2010	Aquatic Life		High
08	02030105020100-01	Raritan R SB (Three Bridges-Prescott Bk)	Temperature, water	SBRR8	2006	Aquatic Life - Trout		Medium
09	02030105160090-01	Red Root Creek / Crows Mill Creek	Benzo(a)pyrene (PAHs)	HEP	2008	Fish Consumption		Low
09	02030105160090-01	Red Root Creek / Crows Mill Creek	Chlordane in Fish Tissue	Raritan Bay at Rt 35	2008	Fish Consumption	L	Low
09	02030105160090-01	Red Root Creek / Crows Mill Creek	DDT and its metabolites in Fish Tissue	Raritan Bay at Rt 35	2012	Fish Consumption	L	Low
09	02030105160090-01	Red Root Creek / Crows Mill Creek	Dieldrin	HEP	2008	Fish Consumption	L	Low
09	02030105160090-01	Red Root Creek / Crows Mill Creek	Dioxin (including 2,3,7,8-TCDD)	HEP	2006	Fish Consumption		Low
09	02030105160090-01	Red Root Creek / Crows Mill Creek	Heptachlor epoxide	HEP	2008	Fish Consumption	L	Low
09	02030105160090-01	Red Root Creek / Crows Mill Creek	Mercury in Fish Tissue	Raritan Bay at Rt 35	2010	Fish Consumption		Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
09	02030105160090-01	Red Root Creek / Crows Mill Creek	PCB in Fish Tissue	Raritan Bay at Rt 35	2006	Fish Consumption	L	Low
15	02040302010010-01	Reeds Bay / Absecon Bay & tribs	Oxygen, Dissolved	2400A,2503,2412A,2307B,2408A,2305C,2301,2306C	2012	Aquatic Life		Medium
18	02040202140050-01	Repaupo Ck (belowTomlin Sta Rd)/CedarSwamp	Mercury in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption		Low
18	02040202140050-01	Repaupo Ck (belowTomlin Sta Rd)/CedarSwamp	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
13	02040301070040-01	Ridgeway Br (below Hope Chapel Rd)	Arsenic	01408492	2012	Water Supply	A	Low
13	02040301070040-01	Ridgeway Br (below Hope Chapel Rd)	Escherichia coli	01408492	2014	Recreation		Medium
13	02040301070040-01	Ridgeway Br (below Hope Chapel Rd)	pH	01408492	2006	Aquatic Life		Medium
16	02040206210010-01	Riggins Ditch (Moores Beach to East Pt)	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
07	02030104050070-01	Robinsons Br Rahway R (above Lake Ave)	Phosphorus (Total)	01395500	2008	Aquatic Life		Medium
07	02030104050080-01	Robinsons Br Rahway R (below Lake Ave)	Arsenic	01396003,7-Rob-1	2004	Water Supply		Low
07	02030104050080-01	Robinsons Br Rahway R (below Lake Ave)	Phosphorus (Total)	01395500,01396003,01395200	2002	Aquatic Life		Medium
10	02030105110070-01	Rock Brook (below Camp Meeting Ave)	Arsenic	01401595,10-ro-1	2012	Water Supply		Low
10	02030105110070-01	Rock Brook (below Camp Meeting Ave)	Cause Unknown	AN0400	2012	Aquatic Life		Low
08	02030105050080-01	Rockaway Ck (above McCrea Mills)	Arsenic	01399570,01399565	2012	Water Supply		Low
08	02030105050080-01	Rockaway Ck (above McCrea Mills)	Temperature, water	01399565	2014	Aquatic Life - Trout		Medium
08	02030105050090-01	Rockaway Ck (below McCrea Mills)	Arsenic	01399570,8-ro-1	2012	Water Supply		Low
08	02030105050090-01	Rockaway Ck (below McCrea Mills)	Escherichia coli	BFBM000044	2012	Recreation		Medium
08	02030105050090-01	Rockaway Ck (below McCrea Mills)	pH	NBRC1	2010	Aquatic LIfe, Aquatic Life - Trout		Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
08	02030105050090-01	Rockaway Ck (below McCrea Mills)	Phosphorus (Total)	01399700	2010	Aquatic Life		High
08	02030105050100-01	Rockaway Ck SB	Escherichia coli	BFBM000016	2012	Recreation		Medium
08	02030105050100-01	Rockaway Ck SB	Phosphorus (Total)	01399650,SBRC1-Cli,SBRC3-Clo	2006	Aquatic LIfe, Aquatic Life - Trout		High
08	02030105050100-01	Rockaway Ck SB	Temperature, water	01399650	2012	Aquatic Life - Trout		Medium
08	02030105050100-01	Rockaway Ck SB	Total Suspended Solids (TSS)	SBRC3-Clo	2014	Aquatic LIfe, Aquatic Life - Trout		High
06	02030103030030-01	Rockaway R (above Longwood Lake outlet)	pH	Sun Air Campground	2012	Aquatic Life		Medium
06	02030103030150-01	Rockaway R (Boonton dam to Stony Brook)	Arsenic	01380450,01380500,6-site-11	1998	Water Supply		Low
06	02030103030150-01	Rockaway R (Boonton dam to Stony Brook)	Chlordane in Fish Tissue	Boonton Reservoir,Rockaway River	2008	Fish Consumption	L	Low
06	02030103030150-01	Rockaway R (Boonton dam to Stony Brook)	DDT and its metabolites in Fish Tissue	Boonton Reservoir,Rockaway River	2008	Fish Consumption	L	Low
06	02030103030150-01	Rockaway R (Boonton dam to Stony Brook)	PCB in Fish Tissue	Boonton Reservoir,Rockaway River	2008	Fish Consumption	L	Low
06	02030103030150-01	Rockaway R (Boonton dam to Stony Brook)	Tetrachloroethylene	01380450,01380500,6-site-11	1998	Water Supply		Low
06	02030103030170-01	Rockaway R (Passaic R to Boonton dam)	Oxygen, Dissolved	RO2	2010	Aquatic Life		Medium
06	02030103030170-01	Rockaway R (Passaic R to Boonton dam)	Tetrachloroethylene	01381200,6-roc-1,6-site-10	1998	Water Supply		Low
06	02030103030040-01	Rockaway R (Stephens Bk to Longwood Lk)	Cause Unknown	AN0240	2006	Aquatic Life		Low
06	02030103030140-01	Rockaway R (Stony Brook to BM 534 brdg)	Arsenic	01380450,6-site-11	2006	Water Supply		Low
06	02030103030140-01	Rockaway R (Stony Brook to BM 534 brdg)	Cause Unknown	AN0248	2006	Aquatic Life		Low
06	02030103030140-01	Rockaway R (Stony Brook to BM 534 brdg)	Tetrachloroethylene	01380500,01380450,6-site-11	1998	Water Supply		Low
10	02030105100040-01	Rocky Brook (above Monmouth Co line)	Arsenic	01400585	1998	Water Supply		Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
10	02030105100050-01	Rocky Brook (below Monmouth Co line)	Arsenic	01400599,01400598,10-roc-1,10-roc-2	2004	Water Supply		Low
10	02030105100050-01	Rocky Brook (below Monmouth Co line)	Chlordane in Fish Tissue	Peddie Lake	2012	Fish Consumption	L	Low
10	02030105100050-01	Rocky Brook (below Monmouth Co line)	DDT and its metabolites in Fish Tissue	Peddie Lake	2012	Fish Consumption	L	Low
10	02030105100050-01	Rocky Brook (below Monmouth Co line)	Mercury in Fish Tissue	Peddie Lake	2012	Fish Consumption		Low
10	02030105100050-01	Rocky Brook (below Monmouth Co line)	Oxygen, Dissolved	RB4	2010	Aquatic Life		Medium
10	02030105100050-01	Rocky Brook (below Monmouth Co line)	PCB in Fish Tissue	Peddie Lake	2012	Fish Consumption	L	Low
10	02030105100050-01	Rocky Brook (below Monmouth Co line)	Phosphorus (Total)	RB4,Peddie Lake	2006	Aquatic Life		High
10	02030105110150-01	Royce Brook (above Branch Royce Brook)	Cause Unknown	AN0411	2008	Aquatic Life		Low
10	02030105110150-01	Royce Brook (above Branch Royce Brook)	Escherichia coli	BFBM000028	2014	Recreation		Medium
10	02030105110160-01	Royce Brook (below/incl Branch Royce Bk)	Cause Unknown	AN0412,AN0413	2006	Aquatic Life		Low
10	02030105110160-01	Royce Brook (below/incl Branch Royce Bk)	Escherichia coli	BFBM000045	2012	Recreation		Medium
06	02030103030010-01	Russia Brook (above Milton)	Temperature, water	01379615	2014	Aquatic Life - Trout		Medium
04	02030103140040-01	Saddle River (above Ridgewood gage)	pH	01390500	2014	Aquatic Life		Medium
04	02030103140040-01	Saddle River (above Ridgewood gage)	Total Suspended Solids (TSS)	01390500	2014	Aquatic Life		High
04	02030103140070-01	Saddle River (below Lodi gage)	Arsenic	01391500,01391550,4-SAD-1,4-SITE-13,4-SITE-12	1998	Water Supply		Low
04	02030103140070-01	Saddle River (below Lodi gage)	Dioxin (including 2,3,7,8-TCDD)	HEP	2006	Fish Consumption		Low
04	02030103140070-01	Saddle River (below Lodi gage)	PCB in Fish Tissue	Passaic River Lower,with tribs and Estuary	2006	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
04	02030103140070-01	Saddle River (below Lodi gage)	Phosphorus (Total)	01391500,01391540,NJHDG-6,Passaic-7	2006	Aquatic Life		High
04	02030103140070-01	Saddle River (below Lodi gage)	Total Dissolved Solids (TDS)	01391500,01391550	2004	Water Supply		Medium
04	02030103140070-01	Saddle River (below Lodi gage)	Total Suspended Solids (TSS)	01391500,NJHDG-6	2014	Aquatic Life		High
04	02030103140080-01	Saddle River (Hohokus to Ridgewood gage)	Arsenic	01390518	2010	Water Supply		Low
04	02030103140080-01	Saddle River (Hohokus to Ridgewood gage)	pH	01390500	2014	Aquatic Life		Medium
04	02030103140080-01	Saddle River (Hohokus to Ridgewood gage)	Phosphorus (Total)	SR001	2010	Aquatic Life		High
04	02030103140080-01	Saddle River (Hohokus to Ridgewood gage)	Total Suspended Solids (TSS)	01390500	2014	Aquatic Life		High
04	02030103140060-01	Saddle River (Lodi gage to Rt 4)	Arsenic	01391500,4-SAD-1,4-SITE-13,4-SITE-12	1998	Water Supply		Low
04	02030103140060-01	Saddle River (Lodi gage to Rt 4)	Phosphorus (Total)	01391500	2006	Aquatic Life		High
04	02030103140060-01	Saddle River (Lodi gage to Rt 4)	Total Dissolved Solids (TDS)	01391500	2004	Water Supply		Medium
04	02030103140060-01	Saddle River (Lodi gage to Rt 4)	Total Suspended Solids (TSS)	01391500	2014	Aquatic Life		High
04	02030103140050-01	Saddle River (Rt 4 to Hohokus)	Arsenic	01391110,01391200,4-sad-1,4-site-13,4-site-12	1998	Water Supply		Low
04	02030103140050-01	Saddle River (Rt 4 to Hohokus)	pH	01391200	2014	Aquatic Life		Medium
04	02030103140050-01	Saddle River (Rt 4 to Hohokus)	Phosphorus (Total)	01391110	2006	Aquatic Life		High
17	02040206030080-01	Salem Canal	Oxygen, Dissolved	01482580,BFBM000064	2010	Aquatic Life		Medium
17	02040206030080-01	Salem Canal	Phosphorus (Total)	01482580	2010	Aquatic Life		Medium
17	02040206030080-01	Salem Canal	Temperature, water	01482580	2014	Aquatic Life		Medium
17	02040206030060-01	Salem R (39-40-14 dam-CoursesLndg)/Canal	Mercury in Fish Tissue	Salem River near Carneys Point	2014	Fish Consumption		Low
17	02040206030060-01	Salem R (39-40-14 dam-CoursesLndg)/Canal	Oxygen, Dissolved	01482537	2014	Aquatic Life		Medium
17	02040206030060-01	Salem R (39-40-14 dam-CoursesLndg)/Canal	PCB in Fish Tissue	Salem River near Carneys Point	2014	Fish Consumption	L	Low
17	02040206030060-01	Salem R (39-40-14 dam-CoursesLndg)/Canal	pH	01482537	2012	Aquatic Life		Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
17	02040206030060-01	Salem R (39-40-14 dam-CoursesLndg)/Canal	Phosphorus (Total)	01482537	2006	Aquatic Life		High
17	02040206030060-01	Salem R (39-40-14 dam-CoursesLndg)/Canal	Total Suspended Solids (TSS)	01482537	2012	Aquatic Life		Medium
17	02040206030010-01	Salem R (above Woodstown gage)	pH	01482500,S2,S3,S8,S9,S10	2006	Aquatic Life		Medium
17	02040206030010-01	Salem R (above Woodstown gage)	Total Suspended Solids (TSS)	S8,S9,S10	2010	Aquatic Life		Medium
17	02040206040040-01	Salem R (below Fenwick Creek)	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
17	02040206030030-01	Salem R (CountyHomeRd to Woodstown gage)	Oxygen, Dissolved	01482500,01482505	2010	Aquatic Life		Medium
17	02040206030030-01	Salem R (CountyHomeRd to Woodstown gage)	pH	01482500	2006	Aquatic Life		Medium
17	02040206030030-01	Salem R (CountyHomeRd to Woodstown gage)	Phosphorus (Total)	01482500,01482503,01482505,01482508	2006	Aquatic Life		High
17	02040206030040-01	Salem R (CoursesLanding to CountyHomeRd)	Arsenic	01482520,01482530	2008	Water Supply		Low
17	02040206030040-01	Salem R (CoursesLanding to CountyHomeRd)	Oxygen, Dissolved	01482530,01482537	2008	Aquatic Life		Medium
17	02040206030040-01	Salem R (CoursesLanding to CountyHomeRd)	pH	01482537	2008	Aquatic Life		Medium
17	02040206030040-01	Salem R (CoursesLanding to CountyHomeRd)	Phosphorus (Total)	01482537,01482519,01482530,01482520	2006	Aquatic Life		High
17	02040206030040-01	Salem R (CoursesLanding to CountyHomeRd)	Total Suspended Solids (TSS)	01482537	2006	Aquatic Life		Medium
17	02040206030040-01	Salem R (CoursesLanding to CountyHomeRd)	Turbidity	01482530	2012	Aquatic Life		Medium
17	02040206040030-01	Salem R (Fenwick Ck to 39d40m14s dam)	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
12	02030104910020-01	Sandy Hook Bay (east of Thorns Ck)	Benzo(a)pyrene (PAHs)	HEP	2008	Fish Consumption		Low
12	02030104910020-01	Sandy Hook Bay (east of Thorns Ck)	Cause Unknown	RB016/030/032/033/202/211/214/003/011	2014	Aquatic Life		Low
12	02030104910020-01	Sandy Hook Bay (east of Thorns Ck)	Chlordane in Fish Tissue	Raritan Bay at Lower Bay,E. Raritan Bay at Keansbu	2006	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
12	02030104910020-01	Sandy Hook Bay (east of Thorns Ck)	DDT and its metabolites in Fish Tissue	Raritan Bay at Lower Bay,E. Raritan Bay at Keansbu	2008	Fish Consumption	L	Low
12	02030104910020-01	Sandy Hook Bay (east of Thorns Ck)	Dieldrin	HEP	2008	Fish Consumption	L	Low
12	02030104910020-01	Sandy Hook Bay (east of Thorns Ck)	Dioxin (including 2,3,7,8-TCDD)	HEP	2006	Fish Consumption		Low
12	02030104910020-01	Sandy Hook Bay (east of Thorns Ck)	PCB in Fish Tissue	Raritan Bay at Lower Bay,E. Raritan Bay at Keansbu	2008	Fish Consumption	L	Low
12	02030104910020-01	Sandy Hook Bay (east of Thorns Ck)	Total Coliform	Shellfish Network	2008	Shellfish		Medium
16	02040206210050-01	Savages Run (above East Creek Pond)	Cause Unknown	AN0766	2014	Aquatic Life		Low
08	02030105030020-01	Second Neshanic River	Cause Unknown	AN0331	2012	Aquatic Life		Low
04	02030103150020-01	Second River	Escherichia coli	Passaic-5	2004	Recreation		Medium
04	02030103150020-01	Second River	pH	01392520,NJHDG-9,Passaic-5	2006	Aquatic Life		Medium
04	02030103150020-01	Second River	Phosphorus (Total)	NJHDG-9	2006	Aquatic Life		Medium
11	02040105240010-01	Shabakunk Creek	Arsenic	01463810	2012	Water Supply		Low
11	02040105240010-01	Shabakunk Creek	Mercury in Fish Tissue	Assunpink Creek	2006	Fish Consumption		Low
11	02040105240010-01	Shabakunk Creek	Phosphorus (Total)	Colonial Lake	2010	Aquatic Life		Medium
11	02040105240020-01	Shabakunk Creek WB	Arsenic	01463810	2014	Water Supply		Low
11	02040105240020-01	Shabakunk Creek WB	Cause Unknown	AN0114	2014	Aquatic Life		Low
11	02040105240020-01	Shabakunk Creek WB	Mercury in Fish Tissue	Assunpink Creek	2014	Fish Consumption		Low
20	02040201070030-01	Shady Brook/Spring Lake/Rowan Lake	Mercury in Fish Tissue	Spring Lake,Delaware Bay Tribs	2006	Fish Consumption		Low
20	02040201070030-01	Shady Brook/Spring Lake/Rowan Lake	PCB in Fish Tissue	Spring Lake,Delaware Bay Tribs	2006	Fish Consumption	L	Low
10	02030105100100-01	Shallow Brook (Devils Brook)	Cause Unknown	AN0388	2008	Aquatic Life		Low
13	02040301070010-01	Shannae Brook	pH	01408480	2002	Aquatic Life		Medium
12	02030104090040-01	Shark River (above Remsen Mill gage)	Arsenic	01407670	2012	Water Supply		Low
12	02030104090040-01	Shark River (above Remsen Mill gage)	Chlordane in Fish Tissue	Shark River at Belmar	2006	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
12	02030104090040-01	Shark River (above Remsen Mill gage)	DDT and its metabolites in Fish Tissue	Shark River at Belmar	2006	Fish Consumption	L	Low
12	02030104090040-01	Shark River (above Remsen Mill gage)	PCB in Fish Tissue	Shark River at Belmar	2008	Fish Consumption	L	Low
12	02030104090060-01	Shark River (below Remsen Mill gage)	Chlordane in Fish Tissue	Shark River at Belmar	2006	Fish Consumption	L	Low
12	02030104090060-01	Shark River (below Remsen Mill gage)	DDT and its metabolites in Fish Tissue	Shark River at Belmar	2006	Fish Consumption	L	Low
12	02030104090060-01	Shark River (below Remsen Mill gage)	Mercury in Fish Tissue	Shark River at Belmar	2006	Fish Consumption		Low
12	02030104090060-01	Shark River (below Remsen Mill gage)	Oxygen, Dissolved	1217A	2006	Aquatic Life		Medium
12	02030104090060-01	Shark River (below Remsen Mill gage)	PCB in Fish Tissue	Shark River at Belmar	2006	Fish Consumption	L	Low
01	02040104090030-01	Shimers Brook	Arsenic	01438399	2012	Water Supply		Low
01	02040104090030-01	Shimers Brook	Phosphorus (Total)	Clove Lake	2014	Aquatic Life		Medium
01	02040104090030-01	Shimers Brook	Temperature, water	01438399,DRBC/NPS47	2008	Aquatic Life - Trout		Medium
11	02040105230060-01	Shipetaukin Creek	Escherichia coli	01463661	2008	Recreation		Medium
11	02040105230060-01	Shipetaukin Creek	Oxygen, Dissolved	01463661	2010	Aquatic Life		Medium
12	02030104080040-01	Shrewsbury River (above Navesink River)	DDT and its metabolites in Fish Tissue	Shrewsbury River at Oceanport	2006	Fish Consumption	L	Low
12	02030104080040-01	Shrewsbury River (above Navesink River)	Mercury in Fish Tissue	Shrewsbury River at Oceanport	2006	Fish Consumption		Low
12	02030104080040-01	Shrewsbury River (above Navesink River)	PCB in Fish Tissue	Shrewsbury River at Oceanport	2006	Fish Consumption	L	Low
10	02030105110120-01	Sixmile Run (above Middlebush Rd)	Escherichia coli	BFBM000017	2012	Recreation		Medium
10	02030105110120-01	Sixmile Run (above Middlebush Rd)	Phosphorus (Total)	01401900	2006	Aquatic Life		Medium
10	02030105110130-01	Sixmile Run (below Middlebush Rd)	Phosphorus (Total)	SMR1	2010	Aquatic Life		Medium
14	02040301150020-01	Skit Branch (Batsto River)	Arsenic	01409437	2014	Water Supply		Low
14	02040301150020-01	Skit Branch (Batsto River)	Lead	01409437	2014	Water Supply		Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
14	02040301160170-01	Sleeper Branch	DDT and its metabolites in Fish Tissue	Mullica River between Green Bank and Batsto	2010	Fish Consumption	L	Low
14	02040301160170-01	Sleeper Branch	Mercury in Fish Tissue	Mullica River between Green Bank and Batsto	2010	Fish Consumption		Low
14	02040301160170-01	Sleeper Branch	PCB in Fish Tissue	Mullica River between Green Bank and Batsto	2010	Fish Consumption	L	Low
14	02040301160060-01	Sleeper Branch (Rt 206 to Tremont Ave)	Arsenic	0140940200	2012	Water Supply	A	Low
14	02040301160060-01	Sleeper Branch (Rt 206 to Tremont Ave)	pH	01409402,0140940200, 0140940370,MWIBURNT,MCOIMPNT,	2002	Aquatic Life		Medium
06	02030103010190-01	Slough Brook	Arsenic	01379525	2014	Water Supply		Low
06	02030103010190-01	Slough Brook	Cause Unknown	AN0231C	2002	Aquatic Life		Low
06	02030103010190-01	Slough Brook	Total Dissolved Solids (TDS)	01379530,01379525	2010	Water Supply		Medium
16	02040206220020-01	Sluice Creek	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
09	02030105120080-01	South Fork of Bound Brook	PCB in Fish Tissue	New Market Pond,Bound Brook	2006	Fish Consumption	L	Low
09	02030105120080-01	South Fork of Bound Brook	Phosphorus (Total)	01403385	2002	Aquatic Life		Medium
15	02040302050030-01	South River (above 39d26m15s)	Arsenic	01411220	2014	Water Supply		Low
15	02040302050030-01	South River (above 39d26m15s)	Oxygen, Dissolved	01411220	2014	Aquatic Life		Medium
15	02040302050030-01	South River (above 39d26m15s)	pH	LSOESTEL,LSOUT552	2006	Aquatic Life		Medium
15	02040302050040-01	South River (below 39d26m15s)	Arsenic	01411220,01411221	2012	Water Supply	A	Low
15	02040302050040-01	South River (below 39d26m15s)	pH	01411221,01411220,LSOFORTY	2002	Aquatic Life		Medium
09	02030105160070-01	South River (below Duhernal Lake)	Arsenic	304(l)	1998	Water Supply		Low
09	02030105160070-01	South River (below Duhernal Lake)	Cadmium	304(l)	1998	Aquatic Life, Fish Consumption		Low
09	02030105160070-01	South River (below Duhernal Lake)	Chromium (total)	304(l)	1998	Fish Consumption		Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
09	02030105160070-01	South River (below Duhernal Lake)	Copper	304(l)	1998	Aquatic Life		Low
09	02030105160070-01	South River (below Duhernal Lake)	Dioxin (including 2,3,7,8-TCDD)	HEP	2006	Fish Consumption		Low
09	02030105160070-01	South River (below Duhernal Lake)	Lead	304(l)	1998	Water Supply		Low
09	02030105160070-01	South River (below Duhernal Lake)	Mercury in Water Column	304(l)	1998	Water Supply, Aquatic Life		Low
09	02030105160070-01	South River (below Duhernal Lake)	PCB in Fish Tissue	South River at Sayreville,South River at Old Bridg	2006	Fish Consumption	L	Low
20	02040201040020-01	South Run (above 74d35m) (Ft Dix)	pH	Willow Pond	2010	Aquatic Life		Medium
20	02040201040030-01	South Run (Jumping Brook to 74d35m)	Arsenic	01464280	2012	Water Supply		Low
20	02040201040030-01	South Run (Jumping Brook to 74d35m)	Escherichia coli	01464280	2006	Recreation		Medium
20	02040201040030-01	South Run (Jumping Brook to 74d35m)	pH	01464280,01464290	2006	Aquatic Life		Medium
20	02040201040050-01	South Run (North Run to Jumping Brook)	Mercury in Fish Tissue	Crosswicks Creek	2006	Fish Consumption		Low
20	02040201040050-01	South Run (North Run to Jumping Brook)	Phosphorus (Total)	01464300	2006	Aquatic Life		Medium
05	02030101170020-01	Sparkill Brook	Arsenic	01376273	2012	Water Supply		Low
05	02030101170020-01	Sparkill Brook	Escherichia coli	01376273	2012	Recreation		Medium
05	02030101170020-01	Sparkill Brook	Phosphorus (Total)	01376273	2008	Aquatic Life		Medium
01	02040105040050-01	Sparta Junction tribs	Temperature, water	01443276,BFBM000176	2012	Aquatic Life - Trout		Medium
09	02030105120090-01	Spring Lake Fork of Bound Brook	PCB in Fish Tissue	Spring Lake (NMP)	2006	Fish Consumption	L	Low
09	02030105120090-01	Spring Lake Fork of Bound Brook	Phosphorus (Total)	01403385	2002	Aquatic Life		Medium
14	02040301150040-01	Springers Brook / Deep Run	Arsenic	01409455	2012	Water Supply		Low
14	02040301150040-01	Springers Brook / Deep Run	pH	01409455,BSPRDIKE	2002	Aquatic Life		Medium
08	02030105020010-01	Spruce Run (above Glen Gardner)	Temperature, water	01396550	2002	Aquatic Life - Trout		Medium
08	02030105020020-01	Spruce Run (Reservior to Glen Gardner)	Temperature, water	01396588	2008	Aquatic Life - Trout		Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
08	02030105020040-01	Spruce Run Reservior / Willoughby Brook	pH	01396800,Clinton WMA Pond	2002	Aquatic LIfe, Aquatic Life - Trout		Medium
08	02030105020040-01	Spruce Run Reservior / Willoughby Brook	Phosphorus (Total)	01396800	2002	Aquatic LIfe, Aquatic Life - Trout		Medium
08	02030105020040-01	Spruce Run Reservior / Willoughby Brook	Temperature, water	01396800	2002	Aquatic Life - Trout		Medium
15	02040302030050-01	Squankum Branch (GEHR)	Arsenic	01410890	2014	Water Supply	A	Low
15	02040302030050-01	Squankum Branch (GEHR)	Mercury in Water Column	01410865	2010	Water Supply		Low
15	02040302030050-01	Squankum Branch (GEHR)	pH	01410865,01410890	2006	Aquatic Life		Medium
15	02040302050080-01	Stephen Creek (GEHR)	Arsenic	01411230	2012	Water Supply	A	Low
15	02040302050080-01	Stephen Creek (GEHR)	PCB in Fish Tissue	Maple Lake	2010	Fish Consumption	L	Low
15	02040302050080-01	Stephen Creek (GEHR)	pH	01411230,LSTMAPLE	2006	Aquatic Life		Medium
17	02040206120050-01	Still Run (WillowGroveLk - SilverLakeRd)	Cause Unknown	AN0730,AN0732	2008	Aquatic Life		Low
18	02040202140020-01	Still Run/London Br(above Tomlin Sta Rd)	Arsenic	01476600	2012	Water Supply		Low
18	02040202140020-01	Still Run/London Br(above Tomlin Sta Rd)	Phosphorus (Total)	01476600	2012	Aquatic Life		Medium
03	02030103050070-01	Stone House Brook	Temperature, water	Pqkakebk	2010	Aquatic Life - Trout		Medium
10	02030105090020-01	Stony Bk (74d 48m 10s to 74d 49m 15s)	Arsenic	01400860,01400870	2012	Water Supply		Low
10	02030105090020-01	Stony Bk (74d 48m 10s to 74d 49m 15s)	Escherichia coli	01400870	2008	Recreation	R	Medium
10	02030105090020-01	Stony Bk (74d 48m 10s to 74d 49m 15s)	Oxygen, Dissolved	01400860	2012	Aquatic Life		Medium
10	02030105090040-01	Stony Bk (74d46m dam to/incl Baldwins Ck)	Escherichia coli	BFBM000018	2012	Recreation		Medium
10	02030105090010-01	Stony Bk (above 74d 49m 15s)	Escherichia coli	BFBM000010	2012	Recreation	R	Medium
10	02030105090030-01	Stony Bk (Baldwins Ck to 74d 48m 10s)	Escherichia coli	BFBM000011	2012	Recreation		Medium
10	02030105090070-01	Stony Bk (Harrison St to Rt 206)	Arsenic	01401000,10-sto-1,10-sto-4	2006	Water Supply		Low
10	02030105090070-01	Stony Bk (Harrison St to Rt 206)	Phosphorus (Total)	01401000	2002	Aquatic Life		High
10	02030105090050-01	Stony Bk (Province Line Rd to 74d46m dam)	Arsenic	01401000,10-sto-1,10-sto-4	2006	Water Supply		Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
10	02030105090050-01	Stony Bk (Province Line Rd to 74d46m dam)	Phosphorus (Total)	01401000	2002	Aquatic Life		High
10	02030105090060-01	Stony Bk (Rt 206 to Province Line Rd)	Arsenic	01401000,10-sto-1,10-sto-4	1998	Water Supply		Low
10	02030105090060-01	Stony Bk (Rt 206 to Province Line Rd)	Phosphorus (Total)	01401000	2002	Aquatic Life		High
10	02030105090090-01	Stony Bk- Princeton drainage	Arsenic	01401000,10-sto-1,10-sto-4	2010	Water Supply		Low
10	02030105090090-01	Stony Bk- Princeton drainage	Phosphorus (Total)	01401000	2010	Aquatic Life		High
06	02030103030130-01	Stony Brook (Boonton)	Arsenic	01380270,01380320	2012	Water Supply		Low
06	02030103030130-01	Stony Brook (Boonton)	Mercury in Water Column	01380270	2012	Water Supply		Low
06	02030103030130-01	Stony Brook (Boonton)	Oxygen, Dissolved	01380270	2010	Aquatic Life		Medium
09	02030105120030-01	Stony Brook (North Plainfield)	Arsenic	01403575	2012	Water Supply		Low
09	02030105120030-01	Stony Brook (North Plainfield)	Cause Unknown	AN0422	2006	Aquatic Life		Low
17	02040206070050-01	Stow Creek (above Jericho Road)	Cause Unknown	AN0705	2014	Aquatic Life		Low
17	02040206070080-01	Stow Creek (below Canton Rd)	Oxygen, Dissolved	R53,R54	2006	Aquatic Life		Medium
17	02040206070080-01	Stow Creek (below Canton Rd)	PCB in Fish Tissue	Stow Creek Canton	2006	Fish Consumption	L	Low
17	02040206070060-01	Stow Creek (Canton Road to Jericho Road)	Oxygen, Dissolved	R54	2012	Aquatic Life		Medium
17	02040206070060-01	Stow Creek (Canton Road to Jericho Road)	PCB in Fish Tissue	Stow Creek Canton	2006	Fish Consumption	L	Low
11	02040105210030-01	Swan Creek (Moore Ck to Alexauken Ck)	Escherichia coli	BFBM000012	2012	Recreation		Medium
01	02040105030020-01	Swartswood Lake and tribs	Arsenic	01443466,01443470	2012	Water Supply		Low
01	02040105030020-01	Swartswood Lake and tribs	PCB in Fish Tissue	Swartswood Lake	2012	Fish Consumption	L	Low
01	02040105030020-01	Swartswood Lake and tribs	Temperature, water	01443466	2014	Aquatic Life - Trout		Medium
01	02040105030010-01	Swartswood trib(41-06-06 thru Lk Owassa)	pH	Mecca Lake	2010	Aquatic Life		Medium
18	02040202090010-01	Swede Run	Arsenic	01467027	2008	Water Supply		Low
18	02040202090010-01	Swede Run	Escherichia coli	BFBM000051	2012	Recreation		Medium
18	02040202090010-01	Swede Run	Oxygen, Dissolved	01467027	2008	Aquatic Life	R	Medium
18	02040202090010-01	Swede Run	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
12	02030104070070-01	Swimming River Reservior / Slope Bk	Chlordane in Fish Tissue	Swimming River Reservoir,Marlu Lake (Thompson Park)	2010	Fish Consumption	L	Low
12	02030104070070-01	Swimming River Reservior / Slope Bk	DDT and its metabolites in Fish Tissue	Swimming River Reservoir,Marlu Lake (Thompson Park)	2010	Fish Consumption	L	Low
12	02030104070070-01	Swimming River Reservior / Slope Bk	PCB in Fish Tissue	Swimming River Reservoir,Marlu Lake (Thompson Park)	2010	Fish Consumption	L	Low
12	02030104070070-01	Swimming River Reservior / Slope Bk	Phosphorus (Total)	MCHD-56	2002	Aquatic Life		Medium
12	02030104070070-01	Swimming River Reservior / Slope Bk	Total Suspended Solids (TSS)	MCHD-56	2006	Aquatic Life		Medium
15	02040302070050-01	Tarkiln Brook (Tuckahoe River)	pH	TTAR548S	2012	Aquatic Life		Medium
05	02030103170040-01	Tenakill Brook	Arsenic	01378387,5-ten-2	2004	Water Supply		Low
05	02030103170040-01	Tenakill Brook	pH	TB2,TB3, TB4	2014	Aquatic Life	R	Medium
05	02030103170040-01	Tenakill Brook	Phosphorus (Total)	DB1,TB1,TB2,TB3,TB4	2010	Aquatic Life	R	Medium
05	02030103170040-01	Tenakill Brook	Total Suspended Solids (TSS)	TB3,DB1	2010	Aquatic Life	R	Medium
08	02030105030040-01	Third Neshanic River	Oxygen, Dissolved	01397950	2006	Aquatic Life		Medium
04	02030103150010-01	Third River	Chlordane in Fish Tissue	Passaic River at Lyndhurst	2014	Fish Consumption	L	Low
04	02030103150010-01	Third River	DDT and its metabolites in Fish Tissue	HEP	2014	Fish Consumption	L	Low
04	02030103150010-01	Third River	Dioxin (including 2,3,7,8-TCDD)	HEP	2006	Fish Consumption		Low
04	02030103150010-01	Third River	Mercury in Fish Tissue	Passaic River at Lyndhurst	2014	Fish Consumption		Low
04	02030103150010-01	Third River	PCB in Fish Tissue	Passaic River at Lyndhurst	2006	Fish Consumption	L	Low
04	02030103150010-01	Third River	Phosphorus (Total)	Clarks Pond	2010	Aquatic Life		Medium
15	02040302040060-01	Three Pond Branch (Hospitality Branch)	Arsenic	01411073	2014	Water Supply		Low
13	BarnegatBay04	Toms R Estuary	Chlordane in Fish Tissue	Barnegat Bay at Toms River	2014	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
13	BarnegatBay04	Toms R Estuary	DDT and its metabolites in Fish Tissue	Barnegat Bay at Toms River	2012	Fish Consumption	L	Low
13	BarnegatBay04	Toms R Estuary	Mercury in Fish Tissue	Barnegat Bay at Toms River	2012	Fish Consumption		Low
13	BarnegatBay04	Toms R Estuary	Oxygen, Dissolved	BB04a	2014	Aquatic Life		Medium
13	BarnegatBay04	Toms R Estuary	PCB in Fish Tissue	Barnegat Bay at Toms River	2012	Fish Consumption	L	Low
13	02040301060020-01	Toms River (74-22-30 rd to FrancisMills)	Arsenic	01408253,01408260	2012	Water Supply		Low
13	02040301060010-01	Toms River (above Francis Mills)	Oxygen, Dissolved	MCHD-7	2014	Aquatic Life		Medium
13	02040301060010-01	Toms River (above Francis Mills)	Phosphorus (Total)	MCHD-7	2002	Aquatic Life		Medium
13	02040301060030-01	Toms River (Bowman Rd to 74-22-30 road)	Arsenic	01408260	2014	Water Supply		Low
13	02040301060030-01	Toms River (Bowman Rd to 74-22-30 road)	Temperature, water	AN0520	2014	Aquatic Life - Trout		Medium
13	02040301060080-01	Toms River (Oak Ridge Parkway to Rt 70)	Cause Unknown	AN0535	2014	Aquatic Life		Low
13	02040301080060-01	Toms River Lwr (Rt 166 to Oak Ridge Pkwy)	Cause Unknown	AN0535	2012	Aquatic Life		Low
13	02040301080060-01	Toms River Lwr (Rt 166 to Oak Ridge Pkwy)	Chlordane in Fish Tissue	Toms River at Ridgeway Branch,Barnegat Bay at Tom	2007	Fish Consumption	L	Low
13	02040301080060-01	Toms River Lwr (Rt 166 to Oak Ridge Pkwy)	DDT and its metabolites in Fish Tissue	Toms River at Ridgeway Branch,Barnegat Bay at Tom	2006	Fish Consumption	L	Low
13	02040301080060-01	Toms River Lwr (Rt 166 to Oak Ridge Pkwy)	PCB in Fish Tissue	Toms River at Ridgeway Branch,Barnegat Bay at Tom	2006	Fish Consumption	L	Low
01	02040105070050-01	Trout Brook / Lake Tranquility	Mercury in Fish Tissue	Allamuchy Pond	2014	Fish Consumption		Low
01	02040105070050-01	Trout Brook / Lake Tranquility	PCB in Fish Tissue	Allamuchy Pond	2014	Fish Consumption	L	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
01	02040105070050-01	Trout Brook / Lake Tranquility	pH	Allamuchy Pond,Lake Tranquility	2012	Aquatic Life		Medium
06	02030103020080-01	Troy Brook (above Reynolds Ave)	Cause Unknown	AN0236	2008	Aquatic Life		Low
06	02030103020090-01	Troy Brook (below Reynolds Ave)	Cause Unknown	AN0237	2014	Aquatic Life		Low
15	02040302070020-01	Tuckahoe River (39d19m52s to Cumberland Ave)	pH	01411290	2004	Aquatic Life		Medium
15	02040302070010-01	Tuckahoe River (above Cumberland Ave)	pH	01411290	2006	Aquatic Life		Medium
15	02040302070040-01	Tuckahoe River (Rt 49 to 39d19m52s)	Arsenic	01411295	2012	Water Supply	A	Low
15	02040302070040-01	Tuckahoe River (Rt 49 to 39d19m52s)	Oxygen, Dissolved	01411300	2014	Aquatic Life		Medium
15	02040302070040-01	Tuckahoe River (Rt 49 to 39d19m52s)	pH	01411295	2006	Aquatic Life		Medium
14	02040301190060-01	Tulpehocken Creek	Cause Unknown	AN0599	2014	Aquatic Life		Low
01	02040104110010-01	UDRV tribs (Dingmans Ferry to 206 bridg)	Temperature, water	01438517	2014	Aquatic Life - Trout		Medium
13	02040301070090-01	Union Branch (below Blacks Br 74d22m05s)	Arsenic	01408380,01408495	2012	Water Supply	A	Low
13	02040301070090-01	Union Branch (below Blacks Br 74d22m05s)	Cause Unknown	AN0530	2014	Aquatic Life		Low
13	02040301070090-01	Union Branch (below Blacks Br 74d22m05s)	Chlordane in Fish Tissue	Horicon Lake	2010	Fish Consumption	L	Low
13	02040301070090-01	Union Branch (below Blacks Br 74d22m05s)	DDT and its metabolites in Fish Tissue	Horicon Lake	2010	Fish Consumption	L	Low
13	02040301070090-01	Union Branch (below Blacks Br 74d22m05s)	PCB in Fish Tissue	Horicon Lake	2010	Fish Consumption	L	Low
01	02040105100010-01	Union Church trib	Escherichia coli	BFBM000120	2014	Recreation		Medium
01	02040105100010-01	Union Church trib	Phosphorus (Total)	Glovers Pond	2014	Aquatic Life		Medium
07	02030104010030-01	Upper NY Bay / Kill Van Kull (74d07m30s)	Benzo(a)pyrene (PAHs)	HEP	2007	Fish Consumption		Low
07	02030104010030-01	Upper NY Bay / Kill Van Kull (74d07m30s)	Cause Unknown	NB207,NB218,NB228,UH019,UH022	2007	Aquatic Life		Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
07	02030104010030-01	Upper NY Bay / Kill Van Kull (74d07m30s)	Chlordane in Fish Tissue	HEP	2007	Fish Consumption	L	Low
07	02030104010030-01	Upper NY Bay / Kill Van Kull (74d07m30s)	DDT and its metabolites in Fish Tissue	HEP	2008	Fish Consumption	L	Low
07	02030104010030-01	Upper NY Bay / Kill Van Kull (74d07m30s)	Dieldrin	HEP	2007	Fish Consumption	L	Low
07	02030104010030-01	Upper NY Bay / Kill Van Kull (74d07m30s)	Dioxin (including 2,3,7,8-TCDD)	HEP	2006	Fish Consumption		Low
07	02030104010030-01	Upper NY Bay / Kill Van Kull (74d07m30s)	Heptachlor epoxide	HEP	2010	Fish Consumption	L	Low
07	02030104010030-01	Upper NY Bay / Kill Van Kull (74d07m30s)	Hexachlorobenzene	HEP	2008	Fish Consumption		Low
07	02030104010030-01	Upper NY Bay / Kill Van Kull (74d07m30s)	PCB in Fish Tissue	HEP	2008	Fish Consumption	L	Low
01	02040104240010-01	Van Campens Brook	Mercury in Fish Tissue	Blue Mountain Lakes	2012	Fish Consumption		Low
12	02030104060050-01	Waackaack Creek	Arsenic	01407065	2008	Water Supply	A	Low
12	02030104060050-01	Waackaack Creek	Chlordane in Fish Tissue	HEP	2006	Fish Consumption	L	Low
12	02030104060050-01	Waackaack Creek	DDT and its metabolites in Fish Tissue	HEP	2006	Fish Consumption	L	Low
12	02030104060050-01	Waackaack Creek	Mercury in Fish Tissue	HEP	2006	Fish Consumption		Low
12	02030104060050-01	Waackaack Creek	Oxygen, Dissolved	MCHD-35	2006	Aquatic Life		Medium
12	02030104060050-01	Waackaack Creek	PCB in Fish Tissue	HEP	2008	Fish Consumption	L	Low
14	02040301200030-01	Wading River (below Rt 542)	Mercury in Fish Tissue	Wading River	2010	Fish Consumption		Low
14	02040301200020-01	Wading River (Rt 542 to Oswego River)	Mercury in Fish Tissue	Wading River	2006	Fish Consumption		Low
14	02040301190050-01	Wading River WB (Jenkins Rd to Rt 563)	Arsenic	01409790	2012	Water Supply		Low
14	02040301190050-01	Wading River WB (Jenkins Rd to Rt 563)	Oxygen, Dissolved	01409790	2008	Aquatic Life		Medium
14	02040301190050-01	Wading River WB (Jenkins Rd to Rt 563)	Phosphorus (Total)	01409790	2012	Aquatic Life		Medium
14	02040301190070-01	Wading River WB (Oswego R to Jenkins Rd)	Arsenic	01409812	2014	Water Supply		Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
14	02040301190070-01	Wading River WB (Oswego R to Jenkins Rd)	Mercury in Fish Tissue	Wading River	2006	Fish Consumption		Low
14	02040301190070-01	Wading River WB (Oswego R to Jenkins Rd)	Phosphorus (Total)	01409812,01409815,R21	2012	Aquatic Life		Medium
02	02020007030010-01	Wallkill R (41d13m30s to Martins Road)	Total Suspended Solids (TSS)	01367770	2014	Aquatic Life		Medium
02	02020007010080-01	Wallkill R (Franklin Pond to Ogdensburg)	Cause Unknown	AN0298	2008	Aquatic Life		Low
02	02020007010070-01	Wallkill R (Martins Rd to Hamburg SW Bdy)	Cause Unknown	AN0300,AN0302	2014	Aquatic Life		Low
02	02020007030030-01	Wallkill River (Owens gage to 41d13m30s)	Total Suspended Solids (TSS)	01368000	2014	Aquatic Life		Medium
02	02020007030040-01	Wallkill River (stateline to Owens gage)	Total Suspended Solids (TSS)	01368000	2014	Aquatic Life		Medium
03	02030103070070-01	Wanaque R/Posts Bk (below reservior)	Temperature, water	PQBKBCH,PQBLWR	2012	Aquatic Life - Trout		Medium
03	02030103070050-01	Wanaque Reservior (below Monks gage)	Temperature, water	Erskine Lake	2006	Aquatic Life - Trout		Medium
13	02040301120010-01	Waretown Creek / Lochiel Creek	Arsenic	01409108	2014	Water Supply	A	Low
13	02040301120010-01	Waretown Creek / Lochiel Creek	Mercury in Water Column	01409108	2014	Water Supply		Low
02	02020007040050-01	Wawayanda Creek & tribs	Arsenic	01368820	2012	Water Supply		Low
02	02020007040050-01	Wawayanda Creek & tribs	Phosphorus (Total)	01368900	2004	Aquatic LIfe, Aquatic Life - Trout		Medium
09	02030105150010-01	Weamaconk Creek	Arsenic	01405185	2012	Water Supply		Low
09	02030105150010-01	Weamaconk Creek	Oxygen, Dissolved	WC2-WL	2010	Aquatic Life		Medium
09	02030105150010-01	Weamaconk Creek	Phosphorus (Total)	MCHD-9,MCHD-69,Weamaconk Lake	2002	Aquatic Life		Medium
09	02030105150010-01	Weamaconk Creek	Total Suspended Solids (TSS)	01405185,MCHD-69	2006	Aquatic Life		Medium
13	02040301090010-01	Webbs Mill Branch	Oxygen, Dissolved	01408800	2014	Aquatic Life		Medium
01	02040105150010-01	Weldon Brook/Beaver Brook	Temperature, water	01455350	2014	Aquatic Life - Trout		Medium
03	02030103070040-01	West Brook/Burnt Meadow Brook	Oxygen, Dissolved	01386000,WB1	2008	Aquatic Life - Trout	R	Medium
03	02030103070040-01	West Brook/Burnt Meadow Brook	Temperature, water	Pqkakebk,WB1,WB2,WB3,WB4,WB5,WB6	2004	Aquatic Life - Trout		Medium

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
16	02040206210020-01	West Ck (above Rt 550)	Oxygen, Dissolved	01411444	2014	Aquatic Life		Medium
16	02040206210040-01	West Ck (below PaperMillRd) to MooresBch	PCB in Fish Tissue	Delaware Bay Tribs	2006	Fish Consumption	L	Low
16	02040206210030-01	West Ck (Paper Mill Rd to Rt 550)	Oxygen, Dissolved	01411444	2014	Aquatic Life		Medium
13	02040301130060-01	Westecunk Creek (below GS Parkway)	Escherichia coli	BT12	2014	Recreation		Medium
12	02030104090010-01	Whale Pond Brook	Cause Unknown	AN0477	2008	Aquatic Life		Low
06	02030103020010-01	Whippany R (above road at 74d 33m)	Arsenic	01381235,01381260,01381330	2012	Water Supply		Low
06	02030103020010-01	Whippany R (above road at 74d 33m)	Temperature, water	01381260	2012	Aquatic Life - Trout		Medium
06	02030103020050-01	Whippany R (Malapardis to Lk Pocahontas)	Arsenic	01381515,6-whi-1	2012	Water Supply		Low
06	02030103020100-01	Whippany R (Rockaway R to Malapardis Bk)	Lead	01381800,6-whi-2	2007	Water Supply		Low
06	02030103020020-01	Whippany R (Wash. Valley Rd to 74d 33m)	Arsenic	01381330	2012	Water Supply		Low
17	02040206170020-01	White Marsh Run (Millville)	Arsenic	01411907	2014	Water Supply		Low
11	02040105200040-01	Wickecheoke Creek (above Locktown)	Arsenic	01461250	2012	Water Supply		Low
11	02040105200040-01	Wickecheoke Creek (above Locktown)	pH	01461250,W1,W2,W3,W9b	2010	Aquatic Life		Medium
11	02040105200040-01	Wickecheoke Creek (above Locktown)	Total Suspended Solids (TSS)	W8	2010	Aquatic Life		Medium
11	02040105200060-01	Wickecheoke Creek (below Locktown)	pH	W1/2/3	2014	Aquatic LIfe, Aquatic Life - Trout		Medium
11	02040105200060-01	Wickecheoke Creek (below Locktown)	Temperature, water	01461300	2002	Aquatic Life - Trout		Medium
12	02030104070020-01	Willow Brook	Escherichia coli	MCHD-52,01407253	2014	Recreation		Medium
12	02030104070020-01	Willow Brook	Phosphorus (Total)	MCHD-52	2002	Aquatic Life		Medium
12	02030104070020-01	Willow Brook	Total Suspended Solids (TSS)	MCHD-52	2006	Aquatic Life		Medium
14	02040301160040-01	Wisickaman Creek	Cause Unknown	AN0563	2006	Aquatic Life		Low
07	02030104050110-01	Woodbridge Creek	Benzo(a)pyrene (PAHs)	HEP	2014	Fish Consumption		Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
07	02030104050110-01	Woodbridge Creek	Chlordane in Fish Tissue	New York Harbor Tribs	2014	Fish Consumption	L	Low
07	02030104050110-01	Woodbridge Creek	DDT and its metabolites in Fish Tissue	HEP	2014	Fish Consumption	L	Low
07	02030104050110-01	Woodbridge Creek	Dieldrin	HEP	2014	Fish Consumption	L	Low
07	02030104050110-01	Woodbridge Creek	Dioxin (including 2,3,7,8-TCDD)	HEP	2006	Fish Consumption		Low
07	02030104050110-01	Woodbridge Creek	Heptachlor epoxide	HEP	2014	Fish Consumption	L	Low
07	02030104050110-01	Woodbridge Creek	Hexachlorobenzene	HEP	2014	Fish Consumption		Low
07	02030104050110-01	Woodbridge Creek	Mercury in Fish Tissue	New York Harbor Tribs	2014	Fish Consumption		Low
07	02030104050110-01	Woodbridge Creek	PCB in Fish Tissue	HEP	2006	Fish Consumption	L	Low
18	02040202120100-01	Woodbury Creek (above Rt 45)	Chlordane in Fish Tissue	Stewart Lake at Woodbury Creek	2008	Fish Consumption	L	Low
18	02040202120100-01	Woodbury Creek (above Rt 45)	DDT and its metabolites in Fish Tissue	Stewart Lake at Woodbury Creek	2010	Fish Consumption	L	Low
18	02040202120100-01	Woodbury Creek (above Rt 45)	PCB in Fish Tissue	Stewart Lake at Woodbury Creek	2008	Fish Consumption	L	Low
18	02040202120100-01	Woodbury Creek (above Rt 45)	pH	01474730	2006	Aquatic Life		Medium
18	02040202120110-01	Woodbury Creek (below Rt 45)/LDRV to B T Ck	PCB in Fish Tissue	Delaware River Tribs to Head of Tide	2006	Fish Consumption	L	Low
18	02040202120110-01	Woodbury Creek (below Rt 45)/LDRV to B T Ck	pH	01474730	2004	Aquatic Life		Medium
13	02040301080050-01	Wrangel Brook (below Michaels Branch)	Arsenic	01408598	2012	Water Supply	A	Low
13	02040301080050-01	Wrangel Brook (below Michaels Branch)	Escherichia coli	BT04	2014	Recreation		Medium
13	02040301080050-01	Wrangel Brook (below Michaels Branch)	Mercury in Water Column	01408598	2010	Water Supply		Low
13	02040301080050-01	Wrangel Brook (below Michaels Branch)	Oxygen, Dissolved	01408598	2010	Aquatic Life		Medium
12	02030104090070-01	Wreck Pond Brook (above Rt 35)	Phosphorus (Total)	MCHD-14,Osborne Pond	2010	Aquatic Life		Medium
12	02030104090080-01	Wreck Pond Brook (below Rt 35)	Arsenic	01407806	2012	Water Supply	A	Low

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Station Number	Cycle 1st Listed	Designated Use	Sublist 5 Subpart (A, R, L)	Priority Ranking
12	02030104090080-01	Wreck Pond Brook (below Rt 35)	Phosphorus (Total)	Spring Lake,Wreck Pond,Como Lake	2008	Aquatic Life		Medium
12	02030104090080-01	Wreck Pond Brook (below Rt 35)	Total Coliform	Shellfish Network	2014	Shellfish		Medium
01	02040105050040-01	Yards Creek	Oxygen, Dissolved	01443890	2010	Aquatic Life - Trout		Medium
01	02040105050040-01	Yards Creek	pH	01443890	2014	Aquatic LIfe, Aquatic Life - Trout		Medium
12	02030104070040-01	Yellow Brook (above Bucks Mill)	Cause Unknown	AN0471	2008	Aquatic Life		Low
12	02030104070060-01	Yellow Brook (below Bucks Mill)	Cause Unknown	AN0472	2006	Aquatic Life		Low
14	02040301180010-01	Yellow Dam Branch	Arsenic	01409880	2012	Water Supply		Low
14	02040301180010-01	Yellow Dam Branch	Oxygen, Dissolved	01409880	2008	Aquatic Life		Medium
14	02040301180010-01	Yellow Dam Branch	Total Suspended Solids (TSS)	01409880	2012	Aquatic Life		Medium

2014 Two-Year TMDL Schedule

WMA	Assessment Unit Number	Assessment Unit Name	Parameter
10	02030105100130-01	Bear Brook (below Trenton Road)	Phosphorus, Total
8	02030105020050-01	Beaver Brook (Clinton)	Phosphorus, Total
10	02030105110050-01	Beden Brook (below Province Line Rd)	Phosphorus, Total
8	02030105100090-01	Cranbury Brook (below NJ Turnpike)	Oxygen, Dissolved
8	02030105100090-01	Cranbury Brook (below NJ Turnpike)	Phosphorus, Total
10	02030105100110-01	Devils Brook	Phosphorus, Total
9	02030105120130-01	Green Bk (below Bound Brook)	Total Suspended Solids (TSS)
4	02030103140010-01	Hohokus Bk (above Godwin Ave)	Phosphorus, Total
4	02030103140030-01	Hohokus Bk (below Pennington Ave)	Phosphorus, Total
8	02030105040030-01	Holland Brook	Phosphorus, Total
8	02030105050070-01	Lamington R (HallsBrRd-HerzogBrk)	pH
8	02030105050070-01	Lamington R (HallsBrRd-HerzogBrk)	Phosphorus, Total
8	02030105050020-01	Lamington R (Hillside Rd to Rt 10)	Phosphorus, Total
10	02030105100010-01	Millstone R (above Rt 33)	Phosphorus, Total
10	02030105100010-01	Millstone R (above Rt 33)	Total Suspended Solids (TSS)
10	02030105100020-01	Millstone R (Applegarth road to Rt 33)	Phosphorus, Total
10	02030105100020-01	Millstone R (Applegarth road to Rt 33)	Total Suspended Solids (TSS)
10	02030105100060-01	Millstone R (Cranbury Bk to Rocky Bk)	Phosphorus, Total
10	02030105100060-01	Millstone R (Cranbury Bk to Rocky Bk)	Total Suspended Solids (TSS)
10	02030105110020-01	Millstone R (HeathcoteBk to Harrison St)	Phosphorus, Total
10	02030105100030-01	Millstone R (RockyBk to Applegarth road)	Phosphorus, Total
10	02030105100140-01	Millstone R (Rt 1 to Cranbury Bk)	Phosphorus, Total
8	02030105030070-01	Neshanic River (below Black Brk)	Phosphorus, Total
8	02030105030060-01	Neshanic River (below FNR / SNR confl)	Phosphorus, Total
10	02030105110100-01	Pike Run (below Cruser Brook)	Phosphorus, Total
9	02030105120140-01	Raritan R Lwr (I-287 Piscatway-Millstone)	Total Suspended Solids (TSS)
9	02030105080030-01	Raritan R Lwr (Millstone to Rt 206)	Phosphorus, Total
9	02030105080030-01	Raritan R Lwr (Millstone to Rt 206)	Total Suspended Solids (TSS)
9	02030105080020-01	Raritan R Lwr (Rt 206 to NB / SB)	Phosphorus, Total
8	02030105060040-01	Raritan R NB (Peapack Bk to McVickers Bk)	Total Suspended Solids (TSS)
8	02030105010060-01	Raritan R SB (Califon br to Long Valley)	pH
8	02030105040040-01	Raritan R SB (NB to Pleasant Run)	pH
8	02030105040040-01	Raritan R SB (NB to Pleasant Run)	Phosphorus, Total
8	02030105040010-01	Raritan R SB (Pleasant Run-Three Bridges)	Phosphorus, Total
8	02030105020070-01	Raritan R SB (River Rd to Spruce Run)	Phosphorus, Total
8	02030105020070-01	Raritan R SB (River Rd to Spruce Run)	Total Suspended Solids (TSS)
8	02030105020100-01	Raritan R SB (Three Bridges-Prescott Bk)	Phosphorus, Total
8	02030105050090-01	Rockaway Ck (below McCrea Mills)	Phosphorus, Total
8	02030105050100-01	Rockaway Ck SB	Phosphorus, Total
8	02030105050100-01	Rockaway Ck SB	Total Suspended Solids (TSS)
10	02030105100050-01	Rocky Brook (below Monmouth Co line)	Phosphorus, Total
4	02030103140040-01	Saddle River (above Ridgewood gage)	Total Suspended Solids (TSS)
4	02030103140070-01	Saddle River (below Lodi gage)	Phosphorus, Total
4	02030103140070-01	Saddle River (below Lodi gage)	Total Suspended Solids (TSS)
4	02030103140080-01	Saddle River (Hohokus to Ridgewood gage)	Phosphorus, Total
4	02030103140080-01	Saddle River (Hohokus to Ridgewood gage)	Total Suspended Solids (TSS)
4	02030103140060-01	Saddle River (Lodi gage to Rt 4)	Phosphorus, Total
4	02030103140060-01	Saddle River (Lodi gage to Rt 4)	Total Suspended Solids (TSS)
4	02030103140050-01	Saddle River (Rt 4 to Hohokus)	Phosphorus, Total

2014 Two-Year TMDL Schedule

WMA	Assessment Unit Number	Assessment Unit Name	Parameter
17	02040206030060-01	Salem R (39-40-14 dam-CoursesLndg)/Canal	Phosphorus, Total
17	02040206030030-01	Salem R (CountyHomeRd to Woodstown gage)	Phosphorus, Total
17	02040206030040-01	Salem R (CoursesLanding to CountyHomeRd)	Phosphorus, Total
10	02030105090070-01	Stony Bk (Harrison St to Rt 206)	Phosphorus, Total
10	02030105090050-01	Stony Bk (Province Line Rd to 74d46m dam)	Phosphorus, Total
10	02030105090060-01	Stony Bk (Rt 206 to Province Line Rd)	Phosphorus, Total
10	02030105090090-01	Stony Bk- Princeton drainage	Phosphorus, Total

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
15	02040302020030-01	Absecon Creek (AC Reserviors) (gage to SB)	Mercury in Water Column	Package Plant or Other Permitted Small Flows Discharges	Atmospheric Depositon - Toxics			5
15	02040302020030-01	Absecon Creek (AC Reserviors) (gage to SB)	Mercury in Fish Tissue	Package Plant or Other Permitted Small Flows Discharges	Atmospheric Depositon - Toxics	Contaminated Sediments		5
15	02040302020040-01	Absecon Creek (below gage)	Total Coliform	Urban Runoff/Storm Sewers	Municipal Point Source Discharges	Landfills		5
15	02040302020040-01	Absecon Creek (below gage)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Municipal Point Source Discharges	Landfills		5
15	02040302020040-01	Absecon Creek (below gage)	Dissolved Oxygen	Municipal Point Source Discharges	Urban Runoff/Storm			5
15	02040302020010-01	Absecon Creek NB	pH	Urban Runoff/Storm Sewers				5
15	02040302020010-01	Absecon Creek NB	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Contaminated Sediments	Package Plant or Other Permitted Small Flows		5
15	02040302020020-01	Absecon Creek SB	Mercury in Water Column	Package Plant or Other Permitted Small Flows Discharges	Atmospheric Depositon - Toxics			5
14	02040301160110-01	Albertson Brook / Gun Branch	pH	Agriculture	Urban Runoff/Storm			5
11	02040105210010-01	Alexauken Ck (above 74d	pH					5
11	02040105210010-01	Alexauken Ck (above 74d 55m)	Temperature	Upstream Impoundments (e.g., Pl-566 NRCS Structures)				5
11	02040105210020-01	Alexauken Ck (below 74d 55m to 11BA06)	E. Coli					5
11	02040105210020-01	Alexauken Ck (below 74d 55m to 11BA06)	Arsenic					5
11	02040105210020-01	Alexauken Ck (below 74d 55m to 11BA06)	pH					5
11	02040105210020-01	Alexauken Ck (below 74d 55m to 11BA06)	Temperature	Upstream Impoundments (e.g., Pl-566 NRCS Structures)	Agriculture	Urban Runoff/Storm Sewers		5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
17	02040206060020-01	Alloway Ck (above Alloway-Woodstown Rd)	Total Suspended	Urban Runoff/Storm Sewers				5
17	02040206060020-01	Alloway Ck (above Alloway-Woodstown Rd)	Arsenic					5
17	02040206060090-01	Alloway Ck (below HancocksBr) to Salem R	Total Coliform					5
17	02040206060090-01	Alloway Ck (below HancocksBr) to Salem R	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206060080-01	Alloway Ck (HancocksBridge to	Total Coliform					5
17	02040206060080-01	Alloway Ck (HancocksBridge to	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206060060-01	Alloway Ck (New Bridge	Total Coliform					5
17	02040206060060-01	Alloway Ck (New Bridge to Quinton)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206060050-01	Alloway Ck (Quinton to Alloway-WdstwnRd)	Total Coliform					5
17	02040206060050-01	Alloway Ck (Quinton to Alloway-WdstwnRd)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202120060-01	Almonesson Creek	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202120060-01	Almonesson Creek	Arsenic					5
18	02040202120060-01	Almonesson Creek	Dissolved					5
18	02040202120060-01	Almonesson Creek	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
18	02040202120060-01	Almonesson Creek	Turbidity					5
18	02040202120060-01	Almonesson Creek	Phosphorus					5
09	02030105120120-01	Ambrose Brook (below Lake Nelson)	Cause Unknown	Source Unknown	Agriculture	Urban Runoff/Storm		5
07	02030104050120-01	Arthur Kill waterfront (below Grasselli)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
07	02030104050120-01	Arthur Kill waterfront (below Grasselli)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
07	02030104050120-01	Arthur Kill waterfront (below Grasselli)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
07	02030104050120-01	Arthur Kill waterfront (below Grasselli)	Dioxin	Atmospheric Depositon - Toxics	Industrial Point Source Discharge	Municipal Point Source Discharges	Urban Runoff/Storm	5
07	02030104050120-01	Arthur Kill waterfront (below Grasselli)	Heptachlor epoxide	Contaminated Sediments	Source Unknown			5
07	02030104050120-01	Arthur Kill waterfront (below Grasselli)	Dieldrin	Contaminated Sediments	Source Unknown			5
07	02030104050120-01	Arthur Kill waterfront	Hexachloroben	Source Unknown				5
07	02030104050120-01	Arthur Kill waterfront	Cause	Source Unknown				5
07	02030104050120-01	Arthur Kill waterfront	Benzo(a)Pyrene	Source Unknown				5
20	02040201100010-01	Assiscunk Ck (above Rt 206)	Phosphorus	Agriculture	Urban Runoff/Storm			4
20	02040201100010-01	Assiscunk Ck (above Rt 206)	Total Suspended Solids					5
20	02040201100010-01	Assiscunk Ck (above Rt 206)	Arsenic	Agriculture				5
20	02040201100010-01	Assiscunk Ck (above Rt 206)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
20	02040201100060-01	Assiscunk Ck (below Neck Rd)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
20	02040201100060-01	Assiscunk Ck (below Neck Rd)	E. Coli					5
20	02040201100040-01	Assiscunk Ck (Jacksonville rd to Rt 206)	Cause Unknown	Source Unknown				5
20	02040201100040-01	Assiscunk Ck (Jacksonville rd to Rt 206)	Arsenic	Agriculture	Urban Runoff/Storm Sewers			5
20	02040201100050-01	Assiscunk Ck (Neck Rd to Jacksonville rd)	E. Coli					5
20	02040201100050-01	Assiscunk Ck (Neck Rd to Jacksonville rd)	Cause Unknown	Source Unknown				5
20	02040201100050-01	Assiscunk Ck (Neck Rd to Jacksonville rd)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
20	02040201100050-01	Assiscunk Ck (Neck Rd to Jacksonville rd)	Arsenic	Agriculture	Urban Runoff/Storm Sewers			5
11	02040105230010-01	Assunpink Ck (above Assunpink Lake)	Arsenic					5
11	02040105230010-01	Assunpink Ck (above Assunpink Lake)	E. Coli					5
11	02040105230010-01	Assunpink Ck (above Assunpink Lake)	Phosphorus					5
11	02040105240060-01	Assunpink Ck (below Shipetaukin Ck)	Lead					5
11	02040105240060-01	Assunpink Ck (below Shipetaukin Ck)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
11	02040105240060-01	Assunpink Ck (below Shipetaukin Ck)	Phosphorus					5
11	02040105240060-01	Assunpink Ck (below Shipetaukin Ck)	E. Coli					4
11	02040105240060-01	Assunpink Ck (below Shipetaukin Ck)	Arsenic					5
11	02040105230020-01	Assunpink Ck (NewSharonBr to/incl Lake)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
11	02040105230020-01	Assunpink Ck (NewSharonBr to/incl Lake)	Total Suspended Solids					5
11	02040105230020-01	Assunpink Ck (NewSharonBr to/incl Lake)	Phosphorus					5
11	02040105230020-01	Assunpink Ck (NewSharonBr to/incl Lake)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
11	02040105230020-01	Assunpink Ck (NewSharonBr to/incl Lake)	Arsenic					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
11	02040105230050-01	Assunpink Ck (Shipetaukin to Trenton Rd)	Arsenic	Agriculture	Urban Runoff/Storm Sewers			5
11	02040105230050-01	Assunpink Ck (Shipetaukin to Trenton Rd)	Cause Unknown	Source Unknown				5
11	02040105230050-01	Assunpink Ck (Shipetaukin to Trenton Rd)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
11	02040105230050-01	Assunpink Ck (Shipetaukin to Trenton Rd)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
11	02040105230050-01	Assunpink Ck (Shipetaukin to Trenton Rd)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
11	02040105230050-01	Assunpink Ck (Shipetaukin to Trenton Rd)	E. Coli					5
11	02040105230040-01	Assunpink Ck (TrentonRd to NewSharonBr)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			5
11	02040105230040-01	Assunpink Ck (TrentonRd to NewSharonBr)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
11	02040105230040-01	Assunpink Ck (TrentonRd to NewSharonBr)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
11	02040105230040-01	Assunpink Ck (TrentonRd to NewSharonBr)	Arsenic	Agriculture	Urban Runoff/Storm Sewers			5
11	02040105230040-01	Assunpink Ck (TrentonRd to NewSharonBr)	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers	Agriculture		5
16	02040302940010-01	Atl Coast(34th St to Corson Inl)	Dissolved Oxygen	Source Unknown	Natural Sources			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
15	02040302920010-01	Atl Coast(Absecon In to Ventnor)	Dissolved Oxygen	Source Unknown	Natural Sources			5
13	02040301920010-01	Atl Coast(Barnegat to Surf City)	Dissolved Oxygen	Source Unknown	Natural Sources			5
16	02040302940050-01	Atl Coast(CM Inlet to Cape May Pt)	Dissolved Oxygen	Source Unknown	Natural Sources			5
16	02040302940020-01	Atl Coast(Corson to Townsends In)	Dissolved Oxygen	Source Unknown	Natural Sources			5
15	02040302930010-01	Atl Coast(Great Egg to 34th St)	Dissolved Oxygen	Source Unknown	Natural Sources			5
13	02040301920030-01	Atl Coast(Haven Bch to Lit Egg)	Dissolved Oxygen	Source Unknown	Natural Sources			5
16	02040302940040-01	Atl Coast(Hereford to Cape May In)	Dissolved Oxygen	Source Unknown	Natural Sources			5
13	02040301910020-01	Atl Coast(Herring Is to Rt 37)	Dissolved Oxygen	Source Unknown	Natural Sources			5
14	02040302910010-01	Atl Coast(Ltl Egg to Absecon In)	Dissolved Oxygen	Source Unknown	Natural Sources			5
13	02040301910010-01	Atl Coast(Manasquan/Herring Is)	Dissolved Oxygen	Source Unknown	Natural Sources			5
12	02030104920020-01	Atl Coast(Navesink R to WhalePond)	Dissolved Oxygen	Source Unknown	Natural Sources			5
16	02040303060201-01	Atl Coast(off Cape May Pt)	Dissolved Oxygen	Source Unknown	Natural Sources			5
13	02040301910030-01	Atl Coast(Rt 37 to Barnegat Inlet)	Dissolved Oxygen	Source Unknown	Natural Sources			5
12	02030104920010-01	Atl Coast(Sandy H to Navesink R)	Dissolved Oxygen	Source Unknown	Natural Sources			5
12	02030104930020-01	Atl Coast(Shark R to Manasquan)	Dissolved Oxygen	Source Unknown	Natural Sources			5
13	02040301920020-01	Atl Coast(Surf City to Haven Be)	Dissolved Oxygen	Source Unknown	Natural Sources			5
16	02040302940030-01	Atl Coast(Townsends to Hereford In)	Dissolved Oxygen	Source Unknown	Natural Sources			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
15	02040302920020-01	Atl Coast(Ventnor to Great Egg)	Dissolved Oxygen	Source Unknown	Natural Sources			5
12	02030104930010-01	Atl Coast(Whale Pond to Shark R)	Dissolved Oxygen	Source Unknown	Natural Sources			5
15	02040302050020-01	Babcock Creek (GEHR)	E. Coli	Urban Runoff/Storm Sewers				4
15	02040302050020-01	Babcock Creek (GEHR)	pH	Agriculture	Urban Runoff/Storm Sewers			5
08	02030105030050-01	Back Brook	Cause Unknown	Source Unknown	Agriculture	Urban Runoff/Storm Sewers		5
08	02030105030050-01	Back Brook	E. Coli					5
20	02040201070010-01	Back Creek (above Yardville-H Sq Road)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			5
17	02040206100030-01	Back Creek (Sea Breeze Rd to Cedar Ck)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206100030-01	Back Creek (Sea Breeze Rd to Cedar Ck)	Total Coliform					5
14	02040301200070-01	Ballanger Creek	Total Coliform	Urban Runoff/Storm Sewers				4
09	02030105150050-01	Barclay Brook	E. Coli					5
09	02030105150050-01	Barclay Brook	pH	Agriculture	Urban Runoff/Storm Sewers			5
20	02040201100020-01	Barkers Brook (above 40d02m30s)	Arsenic	Agriculture				5
20	02040201100020-01	Barkers Brook (above 40d02m30s)	Phosphorus	Package Plant or Other Permitted Small Flows Discharges	Agriculture	Urban Runoff/Storm Sewers		4
20	02040201100020-01	Barkers Brook (above 40d02m30s)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
20	02040201100020-01	Barkers Brook (above 40d02m30s)	Dissolved Oxygen					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
13	BarnegatBay05	Barnegat Bay Central West	Dissolved Oxygen	Urban Runoff/Storm Sewers	Agriculture			5
17	02040206090010-01	Barrett Run (above West Ave)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			4
19	02040202060040-01	Barton Run (above Kettle Run Road)	pH	Agriculture	Urban Runoff/Storm Sewers			5
19	02040202060040-01	Barton Run (above Kettle Run Road)	Dissolved Oxygen	Urban Runoff/Storm Sewers				5
19	02040202060040-01	Barton Run (above Kettle Run Road)	Arsenic	Natural Sources				5
19	02040202060050-01	Barton Run (below Kettle Run Road)	Phosphorus					5
19	02040202060050-01	Barton Run (below Kettle Run Road)	Arsenic	Agriculture				5
19	02040202060050-01	Barton Run (below Kettle Run Road)	Dissolved Oxygen	Agriculture	Urban Runoff/Storm Sewers			5
19	02040202060050-01	Barton Run (below Kettle Run Road)	pH	Agriculture	Urban Runoff/Storm Sewers			5
14	02040301200060-01	Bass River (below WB / EB)	Total Coliform	Urban Runoff/Storm Sewers				4
14	02040301200050-01	Bass River EB	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
14	02040301200050-01	Bass River EB	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
14	02040301200050-01	Bass River EB	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
14	02040301200050-01	Bass River EB	Phosphorus	Urban Runoff/Storm Sewers				4
14	02040301200050-01	Bass River EB	Arsenic	Natural Sources				5
14	02040301150010-01	Batsto River (above Hampton Gate)	pH	Agriculture	Urban Runoff/Storm Sewers			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
14	02040301150080-01	Batsto River (Batsto gage to Quaker Bridge)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
14	02040301150080-01	Batsto River (Batsto gage to Quaker Bridge)	pH	Agriculture	Urban Runoff/Storm Sewers			5
14	02040301150050-01	Batsto River (CNJRR to Hampton Gate)	pH	Agriculture				5
14	02040301150060-01	Batsto River (Quaker Bridge to CNJRR)	pH	Agriculture				5
10	02030105100120-01	Bear Brook (above Trenton Road)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			5
10	02030105100120-01	Bear Brook (above Trenton Road)	Arsenic	Industrial Point Source Discharge	Agriculture			5
10	02030105100130-01	Bear Brook (below Trenton Road)	Phosphorus					5
10	02030105100130-01	Bear Brook (below Trenton Road)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
10	02030105100130-01	Bear Brook (below Trenton Road)	E. Coli	Urban Runoff/Storm Sewers				5
10	02030105100130-01	Bear Brook (below Trenton Road)	Arsenic	Industrial Point Source Discharge				5
10	02030105100130-01	Bear Brook (below Trenton Road)	Dissolved Oxygen					5
01	02040105080010-01	Bear Brook (Sussex/Warren Co)	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers	Agriculture		5
01	02040105080010-01	Bear Brook (Sussex/Warren Co)	E. Coli	Agriculture				5
19	02040202060060-01	Bear Swamp River	Cause Unknown	Source Unknown				5
14	02040301200010-01	Beaver Branch (Wading River)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
08	02030105020050-01	Beaver Brook (Clinton)	Temperature					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
08	02030105020050-01	Beaver Brook (Clinton)	Phosphorus	Urban Runoff/Storm Sewers	Municipal Point Source Discharges	Package Plant or Other Permitted Small Flows Discharges	Agriculture	5
08	02030105020050-01	Beaver Brook (Clinton)	pH					5
08	02030105020050-01	Beaver Brook (Clinton)	E. Coli					5
06	02030103030110-01	Beaver Brook (Morris County)	Arsenic					5
06	02030103030110-01	Beaver Brook (Morris County)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
06	02030103030110-01	Beaver Brook (Morris County)	Cause Unknown	Source Unknown				5
06	02030103030110-01	Beaver Brook (Morris County)	E. Coli	Urban Runoff/Storm Sewers				4
18	02040202160040-01	Beaver Creek (Oldmans Creek)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
02	02020007010060-01	Beaver Run	Cause Unknown	Source Unknown	Agriculture	Urban Runoff/Storm Sewers		5
13	02040301040010-01	Beaverdam Creek	Total Coliform	Urban Runoff/Storm Sewers				4
13	02040301040010-01	Beaverdam Creek	Cause Unknown	Source Unknown				5
10	02030105110040-01	Beden Brook (above Province Line Rd)	E. Coli					5
10	02030105110040-01	Beden Brook (above Province Line Rd)	Arsenic					5
10	02030105110050-01	Beden Brook (below Province Line Rd)	Arsenic	Agriculture	Urban Runoff/Storm Sewers			5
10	02030105110050-01	Beden Brook (below Province Line Rd)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
10	02030105110050-01	Beden Brook (below Province Line Rd)	Phosphorus	Package Plant or Other Permitted Small Flows Discharges	Transfer of Water from an Outside Watershed	Agriculture	Urban Runoff/Storm Sewers	5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
05	02030103180060-01	Berrys Creek (above Paterson Ave)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
05	02030103180060-01	Berrys Creek (above Paterson Ave)	Dieldrin	Contaminated Sediments	Source Unknown			5
05	02030103180060-01	Berrys Creek (above Paterson Ave)	Dioxin	Atmospheric Depositon - Toxics	Urban Runoff/Storm Sewers			5
05	02030103180060-01	Berrys Creek (above Paterson Ave)	Heptachlor epoxide	Contaminated Sediments	Source Unknown			5
05	02030103180060-01	Berrys Creek (above Paterson Ave)	Lead					5
05	02030103180060-01	Berrys Creek (above Paterson Ave)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Industrial Point Source Discharge			5
05	02030103180060-01	Berrys Creek (above Paterson Ave)	Arsenic					5
05	02030103180060-01	Berrys Creek (above Paterson Ave)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
05	02030103180060-01	Berrys Creek (above Paterson Ave)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
05	02030103180060-01	Berrys Creek (above Paterson Ave)	Copper					5
05	02030103180060-01	Berrys Creek (above Paterson Ave)	Benzo(a)Pyrene	Source Unknown				5
05	02030103180060-01	Berrys Creek (above Paterson Ave)	Cadmium					5
05	02030103180070-01	Berrys Creek (below Paterson Ave)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
05	02030103180070-01	Berrys Creek (below Paterson Ave)	Dieldrin	Contaminated Sediments	Source Unknown			5
05	02030103180070-01	Berrys Creek (below Paterson Ave)	Chromium					5
05	02030103180070-01	Berrys Creek (below Paterson Ave)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
05	02030103180070-01	Berrys Creek (below Paterson Ave)	Benzo(a)Pyrene	Source Unknown				5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
05	02030103180070-01	Berrys Creek (below Paterson Ave)	Arsenic					5
05	02030103180070-01	Berrys Creek (below Paterson Ave)	Heptachlor epoxide	Contaminated Sediments	Source Unknown			5
05	02030103180070-01	Berrys Creek (below Paterson Ave)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
05	02030103180070-01	Berrys Creek (below Paterson Ave)	Copper					5
05	02030103180070-01	Berrys Creek (below Paterson Ave)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
05	02030103180070-01	Berrys Creek (below Paterson Ave)	Dioxin	Atmospheric Depositon - Toxics	Urban Runoff/Storm Sewers			5
05	02030103180070-01	Berrys Creek (below Paterson Ave)	Lead					5
16	02040206230010-01	Bidwell Creek (above Rt 47)	Total Coliform	Urban Runoff/Storm Sewers				4
16	02040206230010-01	Bidwell Creek (above Rt 47)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
16	02040206230010-01	Bidwell Creek (above Rt 47)	Dissolved Oxygen	Urban Runoff/Storm Sewers	Golf Course			5
16	02040206230020-01	Bidwell Creek (below Rt 47)-Dias to GoshenCk	Total Coliform	Urban Runoff/Storm Sewers				4
16	02040206230020-01	Bidwell Creek (below Rt 47)-Dias to GoshenCk	Dissolved Oxygen	Urban Runoff/Storm Sewers				5
16	02040206230020-01	Bidwell Creek (below Rt 47)-Dias to GoshenCk	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104070030-01	Big Brook	E. Coli	Urban Runoff/Storm Sewers	Agriculture			4
12	02030104070030-01	Big Brook	Arsenic	Urban Runoff/Storm Sewers	Agriculture			5
12	02030104070030-01	Big Brook	Phosphorus	Urban Runoff/Storm Sewers	Municipal Point Source Discharges	Package Plant or Other Permitted Small Flows Discharges		5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
12	02030104070030-01	Big Brook	pH	Urban Runoff/Storm Sewers	Agriculture			5
12	02030104070030-01	Big Brook	Mercury in Water Column	Atmospheric Depositon - Toxics				5
01	02040104140010-01	Big Flat Brook (above Forked Brook)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
01	02040104140040-01	Big Flat Brook (Confluence to Kittle Rd)	Arsenic					5
01	02040104140040-01	Big Flat Brook (Confluence to Kittle Rd)	Temperature					5
18	02040202120080-01	Big Timber Creek (below NB/SB confl)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202120010-01	Big Timber Creek NB (above Laurel Rd)	Arsenic					5
18	02040202120010-01	Big Timber Creek NB (above Laurel Rd)	Phosphorus	Municipal Point Source Discharges	Agriculture	Urban Runoff/Storm Sewers		5
18	02040202120010-01	Big Timber Creek NB (above Laurel Rd)	E. Coli	Urban Runoff/Storm Sewers				4
18	02040202120010-01	Big Timber Creek NB (above Laurel Rd)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
18	02040202120020-01	Big Timber Creek NB (below Laurel Rd)	Phosphorus	Municipal Point Source Discharges	Agriculture	Urban Runoff/Storm Sewers		5
18	02040202120020-01	Big Timber Creek NB (below Laurel Rd)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
18	02040202120020-01	Big Timber Creek NB (below Laurel Rd)	E. Coli	Urban Runoff/Storm Sewers				4
18	02040202120020-01	Big Timber Creek NB (below Laurel Rd)	Arsenic					5
18	02040202120030-01	Big Timber Creek SB (above Lakeland Rd)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
18	02040202120030-01	Big Timber Creek SB (above Lakeland Rd)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
18	02040202120030-01	Big Timber Creek SB (above Lakeland Rd)	Phosphorus	Urban Runoff/Storm Sewers				4
18	02040202120050-01	Big Timber Creek SB (below Bull Run)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202120050-01	Big Timber Creek SB (below Bull Run)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
18	02040202120050-01	Big Timber Creek SB (below Bull Run)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			5
18	02040202120040-01	Big Timber Creek SB (incl Bull Run to LakelandRd)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			4
18	02040202120040-01	Big Timber Creek SB (incl Bull Run to LakelandRd)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
18	02040202120040-01	Big Timber Creek SB (incl Bull Run to LakelandRd)	E. Coli	Urban Runoff/Storm Sewers				4
18	02040202120040-01	Big Timber Creek SB (incl Bull Run to LakelandRd)	Arsenic	Agriculture	Urban Runoff/Storm Sewers			5
18	02040202150070-01	Birch Creek	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
19	02040202030080-01	Bisphams Mill Creek (below McDonalds Br)	Phosphorus					5
06	02030103010060-01	Black Brook (Great Swamp NWR)	Arsenic					5
06	02030103010060-01	Black Brook (Great Swamp NWR)	Dissolved Oxygen					5
06	02030103010060-01	Black Brook (Great Swamp NWR)	E. Coli					4
06	02030103010060-01	Black Brook (Great Swamp NWR)	Total Dissolved Solids					5
06	02030103010060-01	Black Brook (Great Swamp NWR)	Phosphorus					4
02	02020007040010-01	Black Creek (above/incl G.Gorge Resort trib)	Phosphorus					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
02	02020007040010-01	Black Creek (above/incl G.Gorge Resort trib)	E. Coli					4
02	02020007040020-01	Black Creek (below G. Gorge Resort trib)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
02	02020007040020-01	Black Creek (below G. Gorge Resort trib)	Dissolved Oxygen	Package Plant or Other Permitted Small Flows Discharges	Agriculture	Urban Runoff/Storm Sewers		5
02	02020007040020-01	Black Creek (below G. Gorge Resort trib)	Arsenic					5
13	02040301070050-01	Blacks Branch (above 74d22m05s)	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers	Rcra Hazardous Waste Sites		5
13	02040301070050-01	Blacks Branch (above 74d22m05s)	E. Coli	Urban Runoff/Storm Sewers				5
20	02040201080010-01	Blacks Creek (above 40d06m10s)	Phosphorus	Package Plant or Other Permitted Small Flows Discharges	Agriculture	Urban Runoff/Storm Sewers		4
20	02040201080020-01	Blacks Creek (Bacons Run to 40d06m10s)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
20	02040201080020-01	Blacks Creek (Bacons Run to 40d06m10s)	Phosphorus	Package Plant or Other Permitted Small Flows Discharges	Agriculture	Urban Runoff/Storm Sewers		4
20	02040201080030-01	Blacks Creek (below Bacons Run)	Phosphorus					5
20	02040201080030-01	Blacks Creek (below Bacons Run)	Total Suspended Solids					5
20	02040201080030-01	Blacks Creek (below Bacons Run)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			5
20	02040201080030-01	Blacks Creek (below Bacons Run)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206140040-01	Blackwater Branch (above/incl Pine Br)	Mercury in Water Column	Atmospheric Depositon - Toxics	Industrial Point Source Discharge			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
17	02040206140040-01	Blackwater Branch (above/incl Pine Br)	Arsenic					5
17	02040206140040-01	Blackwater Branch (above/incl Pine Br)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
17	02040206140050-01	Blackwater Branch (below Pine Branch)	Mercury in Water Column	Atmospheric Depositon - Toxics				5
17	02040206140050-01	Blackwater Branch (below Pine Branch)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
17	02040206140050-01	Blackwater Branch (below Pine Branch)	Arsenic					5
01	02040105050020-01	Blair Creek	Temperature					5
14	02040301160100-01	Blue Anchor Brook	pH	Agriculture				5
19	02040202070010-01	Bobbys Run	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
19	02040202070010-01	Bobbys Run	Cause Unknown	Source Unknown				5
09	02030105120100-01	Bound Brook (below fork at 74d 25m 15s)	E. Coli	Urban Runoff/Storm Sewers				4
09	02030105120100-01	Bound Brook (below fork at 74d 25m 15s)	Dioxin	Atmospheric Depositon - Toxics				5
09	02030105120100-01	Bound Brook (below fork at 74d 25m 15s)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
09	02030105120100-01	Bound Brook (below fork at 74d 25m 15s)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
09	02030105120100-01	Bound Brook (below fork at 74d 25m 15s)	Phosphorus	Industrial Point Source Discharge	Agriculture	Urban Runoff/Storm Sewers		5
12	02030104080030-01	Branchport Creek	Phosphorus	Urban Runoff/Storm Sewers	Animal Shows and Racetracks	Golf Course		4
12	02030104080030-01	Branchport Creek	Dissolved Oxygen	Urban Runoff/Storm Sewers	Animal Shows and Racetracks	Golf Course		5
12	02030104080030-01	Branchport Creek	E. Coli	Urban Runoff/Storm Sewers	Animal Shows and Racetracks			4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
12	02030104080030-01	Branchport Creek	Total Coliform	Urban Runoff/Storm Sewers	Animal Shows and Racetracks			4
12	02030104080030-01	Branchport Creek	Enterococcus	Urban Runoff/Storm Sewers	Animal Shows and Racetracks			4
12	02030104080030-01	Branchport Creek	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104080030-01	Branchport Creek	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104080030-01	Branchport Creek	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Urban Runoff/Storm Sewers	Contaminated Sediments	Industrial Point Source Discharge	5
17	02040206100020-01	Bridges Sticks Creek / Ogden Creek	Total Coliform					5
17	02040206100020-01	Bridges Sticks Creek / Ogden Creek	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
01	02040105110020-01	Buckhorn Creek (incl UDRV)	Temperature					5
19	02040202030050-01	Bucks Cove Run / Cranberry Branch	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
17	02040206170040-01	Buckshutem Creek (above Rt 555)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
17	02040206170050-01	Buckshutem Creek (below Rt 555)	Phosphorus					5
17	02040206170050-01	Buckshutem Creek (below Rt 555)	Total Coliform					4
17	02040206170050-01	Buckshutem Creek (below Rt 555)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206170050-01	Buckshutem Creek (below Rt 555)	Arsenic					5
17	02040206140020-01	Burnt Mill Branch / Hudson Branch	pH					5
17	02040206140020-01	Burnt Mill Branch / Hudson Branch	Arsenic	Industrial Point Source Discharge	Agriculture	Urban Runoff/Storm Sewers		5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
19	02040202050010-01	Burrs Mill Bk (above 39d51m30s road)	Arsenic	Natural Sources	Agriculture			5
19	02040202050010-01	Burrs Mill Bk (above 39d51m30s road)	Dissolved Oxygen	Agriculture	Urban Runoff/Storm Sewers			5
19	02040202050020-01	Burrs Mill Bk (Burnt Br Br-39-51-30 rd)	Arsenic	Natural Sources				5
19	02040202050020-01	Burrs Mill Bk (Burnt Br Br-39-51-30 rd)	Dissolved Oxygen	Agriculture	Urban Runoff/Storm Sewers			5
19	02040202050030-01	Burrs Mill Bk (BurrsMill to Burnt Br Br)	Dissolved Oxygen	Package Plant or Other Permitted Small Flows Discharges				5
19	02040202050030-01	Burrs Mill Bk (BurrsMill to Burnt Br Br)	Arsenic	Agriculture				5
06	02030103010140-01	Canoe Brook	Total Dissolved Solids					5
06	02030103010140-01	Canoe Brook	Phosphorus					4
06	02030103010140-01	Canoe Brook	Arsenic					5
06	02030103010140-01	Canoe Brook	E. Coli	Urban Runoff/Storm Sewers				4
17	02040206070030-01	Canton Drain (above Maskell Mill)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
17	02040206070040-01	Canton Drain (below Maskell Mill)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206070040-01	Canton Drain (below Maskell Mill)	Total Coliform					5
16	02040302080040-01	Cape May Bays (Reubens Wharf-BigElderCk)	Dissolved Oxygen	Urban Runoff/Storm Sewers				5
16	02040302080070-01	Cape May Bays (Rt 47 to Reubens Wharf)	Dissolved Oxygen	Urban Runoff/Storm Sewers				5
16	02040302080070-01	Cape May Bays (Rt 47 to Reubens Wharf)	Total Coliform	Urban Runoff/Storm Sewers				4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
16	02040302080050-01	Cape May Courthouse tribs	Total Coliform	Urban Runoff/Storm Sewers				4
16	02040302080050-01	Cape May Courthouse tribs	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers			5
16	02040302080090-01	Cape May Harbor & Bays (below Rt 47)	Dissolved Oxygen	Urban Runoff/Storm Sewers				5
16	02040302080090-01	Cape May Harbor & Bays (below Rt 47)	Total Coliform	Urban Runoff/Storm Sewers				4
17	02040206100040-01	Cedar Creek (above Rt 553)	Phosphorus					5
17	02040206100040-01	Cedar Creek (above Rt 553)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
17	02040206100040-01	Cedar Creek (above Rt 553)	Turbidity					5
17	02040206100040-01	Cedar Creek (above Rt 553)	Arsenic					5
13	02040301090060-01	Cedar Creek (below GS Parkway)	Total Coliform	Urban Runoff/Storm Sewers				4
17	02040206100050-01	Cedar Creek (below Rt 553)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206100050-01	Cedar Creek (below Rt 553)	Total Coliform					4
17	02040206100050-01	Cedar Creek (below Rt 553)	Turbidity					5
13	02040301090050-01	Cedar Creek (GS Parkway to 74d16m38s)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
13	02040301130040-01	Cedar Run	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers			5
13	02040301130040-01	Cedar Run	Arsenic	Natural Sources				5
13	02040301130040-01	Cedar Run	Total Coliform	Urban Runoff/Storm Sewers				4
15	02040302070090-01	Cedar Swamp Ck (below Rt 50)	Total Coliform	Urban Runoff/Storm Sewers				4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
15	02040302070080-01	Cedar Swamp Ck/Cedar Swamp (above Rt 50)	Total Coliform	Urban Runoff/Storm Sewers				4
08	02030105070020-01	Chambers Brook	Cause Unknown	Source Unknown	Package Plant or Other Permitted Small Flows Discharges	Agriculture	Urban Runoff/Storm Sewers	5
08	02030105070020-01	Chambers Brook	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
12	02030104060010-01	Cheesequake Creek / Whale Creek	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104060010-01	Cheesequake Creek / Whale Creek	Total Coliform	Urban Runoff/Storm Sewers				5
12	02030104060010-01	Cheesequake Creek / Whale Creek	Phosphorus	Urban Runoff/Storm Sewers				4
12	02030104060010-01	Cheesequake Creek / Whale Creek	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Urban Runoff/Storm Sewers			5
12	02030104060010-01	Cheesequake Creek / Whale Creek	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104060010-01	Cheesequake Creek / Whale Creek	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202130030-01	Chestnut Branch (above Sewell)	Phosphorus	Industrial Point Source Discharge	Agriculture	Urban Runoff/Storm Sewers		5
18	02040202130030-01	Chestnut Branch (above Sewell)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
12	02030104060040-01	Chingarora Creek to Thorns Creek	Total Coliform	Urban Runoff/Storm Sewers				5
12	02030104060040-01	Chingarora Creek to Thorns Creek	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104060040-01	Chingarora Creek to Thorns Creek	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104060040-01	Chingarora Creek to Thorns Creek	Enterococcus	Urban Runoff/Storm Sewers				5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
12	02030104060040-01	Chingarora Creek to Thorns Creek	Dissolved Oxygen	Urban Runoff/Storm Sewers				5
12	02030104060040-01	Chingarora Creek to Thorns Creek	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104060040-01	Chingarora Creek to Thorns Creek	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Contaminated Sediments	Urban Runoff/Storm Sewers		5
14	02040301160090-01	Clark Branch (above/incl Price Branch)	Dissolved Oxygen	Urban Runoff/Storm Sewers				5
03	02030103050040-01	Clinton Reservior/Mossmans Brook	Temperature					5
03	02030103050040-01	Clinton Reservior/Mossmans Brook	Arsenic					5
03	02030103050040-01	Clinton Reservior/Mossmans Brook	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
01	02040104090020-01	Clove Brook (Delaware R)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
01	02040104090020-01	Clove Brook (Delaware R)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
01	02040104090020-01	Clove Brook (Delaware R)	Cause Unknown	Source Unknown				5
02	02020007020060-01	Clove Brook (Papakating Ck)	Temperature	Package Plant or Other Permitted Small Flows Discharges	Upstream Impoundments (e.g., PI-566 NRCS Structures)	Agriculture	Urban Runoff/Storm Sewers	5
02	02020007020060-01	Clove Brook (Papakating Ck)	Phosphorus					4
02	02020007020060-01	Clove Brook (Papakating Ck)	E. Coli	Agriculture				5
17	02040206090060-01	Cohansey R (75d15m to/incl Rocaps Run)	Total Coliform					4
17	02040206090060-01	Cohansey R (75d15m to/incl Rocaps Run)	Dissolved Oxygen					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
17	02040206090060-01	Cohansey R (75d15m to/incl Rocaps Run)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206090070-01	Cohansey R (75d17m50s to 75d15m)	Total Coliform					4
17	02040206090070-01	Cohansey R (75d17m50s to 75d15m)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206080010-01	Cohansey R (above Beals Mill)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			4
17	02040206090100-01	Cohansey R (below Greenwich)	Total Coliform					4
17	02040206090100-01	Cohansey R (below Greenwich)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206090100-01	Cohansey R (below Greenwich)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206090100-01	Cohansey R (below Greenwich)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206090080-01	Cohansey R (Greenwich to 75d17m50s)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
17	02040206090080-01	Cohansey R (Greenwich to 75d17m50s)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206090080-01	Cohansey R (Greenwich to 75d17m50s)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206090080-01	Cohansey R (Greenwich to 75d17m50s)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206090080-01	Cohansey R (Greenwich to 75d17m50s)	Total Coliform					4
17	02040206080040-01	Cohansey R (incl Beebe Run to HandsPond)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			4
17	02040206080050-01	Cohansey R (incl CornwellRun - BeebeRun)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			4
17	02040206080050-01	Cohansey R (incl CornwellRun - BeebeRun)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
17	02040206080020-01	Cohansey R (incl HandsPond - Beals Mill)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			4
17	02040206090030-01	Cohansey R (Rocaps Run to Cornwell Run)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206090030-01	Cohansey R (Rocaps Run to Cornwell Run)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
17	02040206090030-01	Cohansey R (Rocaps Run to Cornwell Run)	Dissolved Oxygen					5
17	02040206090030-01	Cohansey R (Rocaps Run to Cornwell Run)	Total Coliform					4
05	02030103180010-01	Coles Brook / Van Saun Mill Brook	Phosphorus	Industrial Point Source Discharge	Urban Runoff/Storm Sewers			4
05	02030103180010-01	Coles Brook / Van Saun Mill Brook	E. Coli	Urban Runoff/Storm Sewers				4
15	02040302040050-01	Collings Lakes trib (Hospitality Branch)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
15	02040302040050-01	Collings Lakes trib (Hospitality Branch)	pH	Agriculture	Urban Runoff/Storm Sewers			5
17	02040206060010-01	Cool Run	Cause Unknown	Source Unknown				5
18	02040202110030-01	Cooper River (above Evesham Road)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202110030-01	Cooper River (above Evesham Road)	Lead	Urban Runoff/Storm Sewers				5
18	02040202110030-01	Cooper River (above Evesham Road)	TCE	Landfill				5
18	02040202110030-01	Cooper River (above Evesham Road)	Phosphorus	Urban Runoff/Storm Sewers				4
18	02040202110030-01	Cooper River (above Evesham Road)	PCE	Landfill				5
18	02040202110030-01	Cooper River (above Evesham Road)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
18	02040202110030-01	Cooper River (above Evesham Road)	E. Coli	Urban Runoff/Storm Sewers				4
18	02040202110030-01	Cooper River (above Evesham Road)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202110030-01	Cooper River (above Evesham Road)	Arsenic	Natural Sources	Urban Runoff/Storm Sewers			5
18	02040202110030-01	Cooper River (above Evesham Road)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202110060-01	Cooper River (below Rt 130)	TCE	Landfill				5
18	02040202110060-01	Cooper River (below Rt 130)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202110060-01	Cooper River (below Rt 130)	Phosphorus	Combined Sewer Overflows	Industrial Point Source Discharge	Urban Runoff/Storm Sewers		4
18	02040202110060-01	Cooper River (below Rt 130)	E. Coli					5
18	02040202110060-01	Cooper River (below Rt 130)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202110060-01	Cooper River (below Rt 130)	Arsenic	Natural Sources	Urban Runoff/Storm Sewers			5
18	02040202110060-01	Cooper River (below Rt 130)	PCE	Landfill				5
18	02040202110050-01	Cooper River (Rt 130 to Wallworth gage)	Arsenic	Natural Sources				5
18	02040202110050-01	Cooper River (Rt 130 to Wallworth gage)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202110050-01	Cooper River (Rt 130 to Wallworth gage)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202110050-01	Cooper River (Rt 130 to Wallworth gage)	E. Coli					5
18	02040202110050-01	Cooper River (Rt 130 to Wallworth gage)	Lead	Urban Runoff/Storm Sewers				5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
18	02040202110050-01	Cooper River (Rt 130 to Wallworth gage)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202110050-01	Cooper River (Rt 130 to Wallworth gage)	PCE	Landfill				5
18	02040202110050-01	Cooper River (Rt 130 to Wallworth gage)	Phosphorus	Urban Runoff/Storm Sewers				4
18	02040202110050-01	Cooper River (Rt 130 to Wallworth gage)	TCE	Landfill				5
18	02040202110050-01	Cooper River (Rt 130 to Wallworth gage)	pH	Urban Runoff/Storm Sewers				5
18	02040202110040-01	Cooper River (Wallworth gage to Evesham Rd)	TCE	Landfill				5
18	02040202110040-01	Cooper River (Wallworth gage to Evesham Rd)	Lead	Industrial Point Source Discharge	Urban Runoff/Storm Sewers			5
18	02040202110040-01	Cooper River (Wallworth gage to Evesham Rd)	PCE	Landfill				5
18	02040202110040-01	Cooper River (Wallworth gage to Evesham Rd)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
18	02040202110040-01	Cooper River (Wallworth gage to Evesham Rd)	E. Coli	Urban Runoff/Storm Sewers				4
18	02040202110040-01	Cooper River (Wallworth gage to Evesham Rd)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202110040-01	Cooper River (Wallworth gage to Evesham Rd)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202110040-01	Cooper River (Wallworth gage to Evesham Rd)	Arsenic	Industrial Point Source Discharge	Urban Runoff/Storm Sewers			5
18	02040202110040-01	Cooper River (Wallworth gage to Evesham Rd)	Phosphorus	Industrial Point Source Discharge	Urban Runoff/Storm Sewers			4
18	02040202110040-01	Cooper River (Wallworth gage to Evesham Rd)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202110010-01	Cooper River NB (above Springdale Road)	Arsenic	Municipal Point Source Discharges	Urban Runoff/Storm Sewers			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
18	02040202110010-01	Cooper River NB (above Springdale Road)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202110010-01	Cooper River NB (above Springdale Road)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202110010-01	Cooper River NB (above Springdale Road)	Dissolved Oxygen	Municipal Point Source Discharges	Urban Runoff/Storm Sewers			5
18	02040202110010-01	Cooper River NB (above Springdale Road)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
18	02040202110020-01	Cooper River NB (below Springdale Road)	Arsenic					5
18	02040202110020-01	Cooper River NB (below Springdale Road)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202110020-01	Cooper River NB (below Springdale Road)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202110020-01	Cooper River NB (below Springdale Road)	Phosphorus	Municipal Point Source Discharges	Urban Runoff/Storm Sewers			4
18	02040202110020-01	Cooper River NB (below Springdale Road)	E. Coli	Urban Runoff/Storm Sewers				4
16	02040302080020-01	Corson Inlet & Sound / Ludlam Bay	Dissolved Oxygen	Urban Runoff/Storm Sewers	Agriculture			5
16	02040206230060-01	Cox Hall Creek / Mickels Run (to Villas)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
16	02040206230060-01	Cox Hall Creek / Mickels Run (to Villas)	Turbidity	Municipal Point Source Discharges	Urban Runoff/Storm Sewers	Golf Course		5
16	02040206230060-01	Cox Hall Creek / Mickels Run (to Villas)	Arsenic	Municipal Point Source Discharges	Urban Runoff/Storm Sewers			5
16	02040206230060-01	Cox Hall Creek / Mickels Run (to Villas)	Dissolved Oxygen	Municipal Point Source Discharges	Urban Runoff/Storm Sewers	Golf Course		5
20	02040201090010-01	Crafts Creek (above Rt 206)	E. Coli					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
20	02040201090010-01	Crafts Creek (above Rt 206)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			5
20	02040201090020-01	Crafts Creek (below Rt 206)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
20	02040201090020-01	Crafts Creek (below Rt 206)	E. Coli					5
20	02040201090020-01	Crafts Creek (below Rt 206)	Cause Unknown	Source Unknown				5
20	02040201090020-01	Crafts Creek (below Rt 206)	Arsenic	Agriculture				5
01	02040105150060-01	Cranberry Lake / Jefferson Lake & tribs	Phosphorus					4
01	02040105150060-01	Cranberry Lake / Jefferson Lake & tribs	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
01	02040105150060-01	Cranberry Lake / Jefferson Lake & tribs	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
10	02030105100070-01	Cranbury Brook (above NJ Turnpike)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
10	02030105100090-01	Cranbury Brook (below NJ Turnpike)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
08	02030105100090-01	Cranbury Brook (below NJ Turnpike)	Dissolved Oxygen					5
08	02030105100090-01	Cranbury Brook (below NJ Turnpike)	Phosphorus					5
16	02040302080010-01	Crook Horn Creek (above Devils Island)	Dissolved Oxygen	Municipal Point Source Discharges	Urban Runoff/Storm Sewers	Natural Sources		5
16	02040302080010-01	Crook Horn Creek (above Devils Island)	Total Coliform	Urban Runoff/Storm Sewers	Municipal Point Source Discharges			4
20	02040201070020-01	Crosswicks Ck (below Doctors Creek)	Total Suspended Solids					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
20	02040201070020-01	Crosswicks Ck (below Doctors Creek)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
20	02040201070020-01	Crosswicks Ck (below Doctors Creek)	Arsenic	Industrial Point Source Discharge	Agriculture			5
20	02040201070020-01	Crosswicks Ck (below Doctors Creek)	E. Coli					5
20	02040201070020-01	Crosswicks Ck (below Doctors Creek)	Phosphorus	Industrial Point Source Discharge	Municipal Point Source Discharges	Agriculture	Urban Runoff/Storm Sewers	5
20	02040201050070-01	Crosswicks Ck (Doctors Ck-Ellisdale trib)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
20	02040201050070-01	Crosswicks Ck (Doctors Ck-Ellisdale trib)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
20	02040201050070-01	Crosswicks Ck (Doctors Ck-Ellisdale trib)	Phosphorus					5
20	02040201050070-01	Crosswicks Ck (Doctors Ck-Ellisdale trib)	Turbidity					5
20	02040201050070-01	Crosswicks Ck (Doctors Ck-Ellisdale trib)	Arsenic	Agriculture	Urban Runoff/Storm Sewers			5
20	02040201050070-01	Crosswicks Ck (Doctors Ck-Ellisdale trib)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
20	02040201050050-01	Crosswicks Ck (Ellisdale trib - Walnford)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
20	02040201050050-01	Crosswicks Ck (Ellisdale trib - Walnford)	Arsenic	Natural Sources	Urban Runoff/Storm Sewers			5
20	02040201050050-01	Crosswicks Ck (Ellisdale trib - Walnford)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
20	02040201050050-01	Crosswicks Ck (Ellisdale trib - Walnford)	Lead					5
20	02040201050050-01	Crosswicks Ck (Ellisdale trib - Walnford)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
20	02040201050030-01	Crosswicks Ck (Lahaway Ck to New Egypt)	Arsenic					5
20	02040201050030-01	Crosswicks Ck (Lahaway Ck to New Egypt)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
20	02040201050030-01	Crosswicks Ck (Lahaway Ck to New Egypt)	Phosphorus	Package Plant or Other Permitted Small Flows Discharges	Transfer of Water from an Outside Watershed	Agriculture	Urban Runoff/Storm Sewers	5
20	02040201040070-01	Crosswicks Ck (NewEgypt to/incl NorthRun)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
20	02040201040070-01	Crosswicks Ck (NewEgypt to/incl NorthRun)	Arsenic	Agriculture				5
20	02040201040070-01	Crosswicks Ck (NewEgypt to/incl NorthRun)	Phosphorus	Package Plant or Other Permitted Small Flows Discharges	Transfer of Water from an Outside Watershed	Agriculture	Urban Runoff/Storm Sewers	5
20	02040201050040-01	Crosswicks Ck (Walnford to Lahaway Ck)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
20	02040201050040-01	Crosswicks Ck (Walnford to Lahaway Ck)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			5
20	02040201050040-01	Crosswicks Ck (Walnford to Lahaway Ck)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
20	02040201050040-01	Crosswicks Ck (Walnford to Lahaway Ck)	Arsenic					5
10	02030105110090-01	Cruser Brook / Roaring Brook	Cause Unknown	Source Unknown				5
10	02030105110090-01	Cruser Brook / Roaring Brook	E. Coli					5
03	02030103100060-01	Crystal Lake/Pond Brook	Phosphorus	Industrial Point Source Discharge	Package Plant or Other Permitted Small Flows Discharges	Urban Runoff/Storm Sewers		4
03	02030103100060-01	Crystal Lake/Pond Brook	pH					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
03	02030103100060-01	Crystal Lake/Pond Brook	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
09	02030105120070-01	Cuckels Brook	Cause Unknown	Source Unknown				5
01	02040105040010-01	Culvers Creek	Temperature					5
01	02040105040010-01	Culvers Creek	E. Coli					5
13	02040301080030-01	Davenport Branch (above Pinewald Road)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
13	02040301080040-01	Davenport Branch (below Pinewald Road)	E. Coli	Urban Runoff/Storm Sewers				5
06	02030103010100-01	Dead River (below Harrisons Brook)	Dissolved Oxygen					5
06	02030103010100-01	Dead River (below Harrisons Brook)	E. Coli	Urban Runoff/Storm Sewers				4
12	02030104090030-01	Deal Lake	E. Coli	Urban Runoff/Storm Sewers				4
12	02030104090030-01	Deal Lake	pH	Urban Runoff/Storm Sewers				5
12	02030104090030-01	Deal Lake	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104090030-01	Deal Lake	Phosphorus	Urban Runoff/Storm Sewers				4
12	02030104090030-01	Deal Lake	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
12	02030104090030-01	Deal Lake	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
09	02030105160010-01	Deep Run (above Monmouth Co line)	E. Coli					5
09	02030105160010-01	Deep Run (above Monmouth Co line)	Dissolved Oxygen	Industrial Point Source Discharge	Package Plant or Other Permitted Small Flows Discharges	Urban Runoff/Storm Sewers		5
17	02040206060040-01	Deep Run (Alloway)	Arsenic					5
09	02030105160040-01	Deep Run (below Rt 9)	E. Coli					5
09	02030105160040-01	Deep Run (below Rt 9)	Arsenic					5
09	02030105160040-01	Deep Run (below Rt 9)	pH					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
09	02030105160040-01	Deep Run (below Rt 9)	Dissolved Oxygen	Urban Runoff/Storm Sewers				5
15	02040302040120-01	Deep Run (GEHR)	Arsenic	Natural Sources				5
15	02040302040120-01	Deep Run (GEHR)	pH	Municipal Point Source Discharges	Agriculture	Urban Runoff/Storm Sewers		5
09	02030105160020-01	Deep Run (Rt 9 to Monmouth Co line)	Dissolved Oxygen	Urban Runoff/Storm Sewers				5
04	02030103120060-01	Deepavaal Brook	E. Coli	Urban Runoff/Storm Sewers				4
04	02030103120060-01	Deepavaal Brook	Cause Unknown	Source Unknown	Agriculture	Urban Runoff/Storm Sewers		5
01	02040105060020-01	Delawanna Creek (incl UDRV)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
01	02040105060020-01	Delawanna Creek (incl UDRV)	Temperature					5
01	02040105060020-01	Delawanna Creek (incl UDRV)	pH					5
01	02040105060020-01	Delawanna Creek (incl UDRV)	Arsenic					5
17	Delaware River 6	Delaware Bay Zone 6 (New Jersey portion)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			4
17	Delaware River 6	Delaware Bay Zone 6 (New Jersey portion)	Dissolved Oxygen					5
17	Delaware River 6	Delaware Bay Zone 6 (New Jersey portion)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
17	Delaware River 6	Delaware Bay Zone 6 (New Jersey portion)	pH					5
17	Delaware River 6	Delaware Bay Zone 6 (New Jersey portion)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	Delaware River 6	Delaware Bay Zone 6 (New Jersey portion)	Turbidity					5
17	Delaware River 6	Delaware Bay Zone 6 (New Jersey portion)	Copper					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
17	Delaware River 6	Delaware Bay Zone 6 (New Jersey portion)	Total Coliform					4
01	Delaware River 2	Delaware River 1C	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
01	Delaware River 2	Delaware River 1C	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
01	Delaware River 2	Delaware River 1C	pH					5
01	Delaware River 2	Delaware River 1C	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
01	Delaware River 8	Delaware River 1D	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
01	Delaware River 8	Delaware River 1D	Aluminum					5
01	Delaware River 8	Delaware River 1D	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
01	Delaware River 8	Delaware River 1D	pH					5
01	Delaware River 8	Delaware River 1D	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
11	Delaware River 14	Delaware River 1E	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
11	Delaware River 14	Delaware River 1E	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
11	Delaware River 14	Delaware River 1E	Turbidity					5
11	Delaware River 14	Delaware River 1E	pH					5
11	Delaware River 14	Delaware River 1E	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Municipal Point Source Discharges			5
20	Delaware River 15	Delaware River 2	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
20	Delaware River 15	Delaware River 2	Temperature					5
20	Delaware River 15	Delaware River 2	Dissolved Oxygen					5
20	Delaware River 15	Delaware River 2	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			4
20	Delaware River 15	Delaware River 2	E. Coli					5
20	Delaware River 15	Delaware River 2	Turbidity					5
20	Delaware River 15	Delaware River 2	pH					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
20	Delaware River 15	Delaware River 2	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Municipal Point Source Discharges			5
18	Delaware River 16	Delaware River 3	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Industrial Point Source Discharge	Municipal Point Source Discharges		5
18	Delaware River 16	Delaware River 3	Temperature					5
18	Delaware River 16	Delaware River 3	Turbidity					5
18	Delaware River 16	Delaware River 3	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			4
18	Delaware River 16	Delaware River 3	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	Delaware River 17	Delaware River 4	Temperature					5
18	Delaware River 17	Delaware River 4	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			4
18	Delaware River 17	Delaware River 4	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Industrial Point Source Discharge	Municipal Point Source Discharges		5
18	Delaware River 17	Delaware River 4	Aluminum					5
18	Delaware River 17	Delaware River 4	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	Delaware River 18	Delaware River 5	Temperature					5
17	Delaware River 18	Delaware River 5	Turbidity					5
17	Delaware River 18	Delaware River 5	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			4
17	Delaware River 18	Delaware River 5	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Industrial Point Source Discharge	Municipal Point Source Discharges		5
17	Delaware River 18	Delaware River 5	Dissolved Oxygen					5
17	Delaware River 18	Delaware River 5	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	Delaware River 18	Delaware River 5	Copper					5
06	02030103030120-01	Den Brook	Arsenic					5
06	02030103030120-01	Den Brook	Cause Unknown	Source Unknown				5
16	02040206220010-01	Dennis Ck / Cedar Swamp (Rt 47 to Rt 550)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
16	02040206220010-01	Dennis Ck / Cedar Swamp (Rt 47 to Rt 550)	Dissolved Oxygen	Urban Runoff/Storm Sewers	Agriculture			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
16	02040206220040-01	Dennis Creek (below Jakes Landing Rd)	Dissolved Oxygen	Urban Runoff/Storm Sewers	Agriculture	Natural Sources		5
16	02040206220040-01	Dennis Creek (below Jakes Landing Rd)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
16	02040206220030-01	Dennis Creek (Jakes Landing Rd to Rt 47)	Arsenic	Natural Sources				5
16	02040206220030-01	Dennis Creek (Jakes Landing Rd to Rt 47)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
10	02030105100110-01	Devils Brook	Arsenic					5
10	02030105100110-01	Devils Brook	E. Coli					5
10	02030105100110-01	Devils Brook	Phosphorus					5
10	02030105100110-01	Devils Brook	Dissolved Oxygen					5
16	02040206230030-01	Dias Creek	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
16	02040206230030-01	Dias Creek	Dissolved Oxygen	Urban Runoff/Storm Sewers	Natural Sources	Agriculture		5
16	02040206230030-01	Dias Creek	Turbidity	Urban Runoff/Storm Sewers	Agriculture			5
16	02040206230030-01	Dias Creek	Arsenic	Urban Runoff/Storm Sewers	Landfill			5
13	02040301130070-01	Dinner Point Creek & tribs	Total Coliform	Urban Runoff/Storm Sewers				4
17	02040206110050-01	Dividing Creek (above Mill Creek)	Total Coliform					5
17	02040206110050-01	Dividing Creek (above Mill Creek)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206110050-01	Dividing Creek (above Mill Creek)	Dissolved Oxygen	Industrial Point Source Discharge	Agriculture	Urban Runoff/Storm Sewers		5
17	02040206110060-01	Dividing Creek (below Mill Creek)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206110060-01	Dividing Creek (below Mill Creek)	Total Coliform					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
17	02040206110060-01	Dividing Creek (below Mill Creek)	Dissolved Oxygen	Agriculture	Urban Runoff/Storm Sewers			5
20	02040201060010-01	Doctors Creek (above 74d28m40s)	Arsenic					5
20	02040201060020-01	Doctors Creek (Allentown to 74d28m40s)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
20	02040201060020-01	Doctors Creek (Allentown to 74d28m40s)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			4
20	02040201060030-01	Doctors Creek (below Allentown)	Phosphorus	Industrial Point Source Discharge	Package Plant or Other Permitted Small Flows Discharges	Agriculture	Urban Runoff/Storm Sewers	4
13	02040301060050-01	Dove Mill Branch (Toms River)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
13	02040301060050-01	Dove Mill Branch (Toms River)	E. Coli	Urban Runoff/Storm Sewers				4
13	02040301060050-01	Dove Mill Branch (Toms River)	Arsenic	Natural Sources				5
13	02040301060050-01	Dove Mill Branch (Toms River)	pH	Urban Runoff/Storm Sewers				5
08	02030105010010-01	Drakes Brook (above Eyland Ave)	Temperature					5
01	02040105040020-01	Dry Brook	Cause Unknown	Source Unknown				5
20	02040201030010-01	Duck Creek and UDRV to Assunpink Ck	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
20	02040201030010-01	Duck Creek and UDRV to Assunpink Ck	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
10	02030105090080-01	Duck Pond Run	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
10	02030105090080-01	Duck Pond Run	Cause Unknown	Source Unknown				5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
09	02030105160030-01	Duhernal Lake / Iresick Brook	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
09	02030105160030-01	Duhernal Lake / Iresick Brook	Dissolved Oxygen					5
09	02030105160030-01	Duhernal Lake / Iresick Brook	Arsenic					5
01	02040104240020-01	Dunnfield Creek (incl UDRV)	Arsenic					5
05	02030103170050-01	Dwars Kill	E. Coli	Urban Runoff/Storm Sewers				5
05	02030103170050-01	Dwars Kill	Arsenic					5
16	02040206210060-01	East Creek	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
16	02040206210060-01	East Creek	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
18	02040202130050-01	Edwards Run	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			5
18	02040202130050-01	Edwards Run	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202130050-01	Edwards Run	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
18	02040202130050-01	Edwards Run	Arsenic	Agriculture				5
07	02030104020010-01	Elizabeth R (above I-78)	E. Coli	Urban Runoff/Storm Sewers				4
07	02030104020030-01	Elizabeth R (below Elizabeth CORP BDY)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
07	02030104020030-01	Elizabeth R (below Elizabeth CORP BDY)	Total Dissolved Solids					5
07	02030104020030-01	Elizabeth R (below Elizabeth CORP BDY)	Arsenic					5
07	02030104020030-01	Elizabeth R (below Elizabeth CORP BDY)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
07	02030104020030-01	Elizabeth R (below Elizabeth CORP BDY)	Dieldrin	Contaminated Sediments	Source Unknown			5
07	02030104020030-01	Elizabeth R (below Elizabeth CORP BDY)	Dioxin	Atmospheric Depositon - Toxics	Combined Sewer Overflows	Municipal Point Source Discharges		5
07	02030104020030-01	Elizabeth R (below Elizabeth CORP BDY)	Heptachlor epoxide	Contaminated Sediments	Source Unknown			5
07	02030104020030-01	Elizabeth R (below Elizabeth CORP BDY)	Hexachloroben zene	Source Unknown				5
07	02030104020030-01	Elizabeth R (below Elizabeth CORP BDY)	Lead					5
07	02030104020030-01	Elizabeth R (below Elizabeth CORP BDY)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
07	02030104020030-01	Elizabeth R (below Elizabeth CORP BDY)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
07	02030104020030-01	Elizabeth R (below Elizabeth CORP BDY)	pH					5
07	02030104020030-01	Elizabeth R (below Elizabeth CORP BDY)	Phosphorus					5
07	02030104020030-01	Elizabeth R (below Elizabeth CORP BDY)	Benzo(a)Pyrene	Source Unknown				5
07	02030104020020-01	Elizabeth R (Elizabeth CORP BDY to I-78)	Lead					5
07	02030104020020-01	Elizabeth R (Elizabeth CORP BDY to I-78)	E. Coli	Urban Runoff/Storm Sewers				4
07	02030104020020-01	Elizabeth R (Elizabeth CORP BDY to I-78)	Phosphorus	Industrial Point Source Discharge	Agriculture	Urban Runoff/Storm Sewers		5
07	02030104020020-01	Elizabeth R (Elizabeth CORP BDY to I-78)	Total Dissolved Solids					5
07	02030104020020-01	Elizabeth R (Elizabeth CORP BDY to I-78)	Arsenic					5
20	02040201050060-01	Ellisdale trib (Crosswicks Creek)	Cause Unknown	Source Unknown	Agriculture	Urban Runoff/Storm Sewers		5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
20	02040201050060-01	Ellisdale trib (Crosswicks Creek)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
15	02040302050090-01	English Ck / Flat Ck / Cranberry Ck	Total Coliform	Urban Runoff/Storm Sewers				4
15	02040302050090-01	English Ck / Flat Ck / Cranberry Ck	Dissolved Oxygen	Urban Runoff/Storm Sewers	Golf Course	Agriculture		5
17	02040206040020-01	Fenwick Creek / Keasbeys Creek	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
11	02040105210050-01	Fiddlers Creek (Jacobs Ck to Moore Ck)	E. Coli					5
08	02030105030010-01	First Neshanic River	Cause Unknown	Source Unknown				5
17	02040206070010-01	Fishing Creek / Bucks Ditch / Pattys Fork	Total Coliform					5
17	02040206070010-01	Fishing Creek / Bucks Ditch / Pattys Fork	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
16	02040206230050-01	Fishing Creek / Fishing Mill Stream	Arsenic	Urban Runoff/Storm Sewers	Agriculture			5
16	02040206230050-01	Fishing Creek / Fishing Mill Stream	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
16	02040206230050-01	Fishing Creek / Fishing Mill Stream	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers			5
01	02040104150020-01	Flat Brook (below Tillman Brook)	E. Coli					5
01	02040104150010-01	Flat Brook (Tillman Brook to Confluence)	E. Coli					5
13	02040301110030-01	Forked River (below NB incl Mid/South Br)	Total Coliform	Urban Runoff/Storm Sewers				4
13	02040301110030-01	Forked River (below NB incl Mid/South Br)	E. Coli	Urban Runoff/Storm Sewers				5
13	02040301110010-01	Forked River NB (above old RR grade)	Dissolved Oxygen	Landfills				5
13	02040301110010-01	Forked River NB (above old RR grade)	E. Coli	Landfills				4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
17	02040206110020-01	Fortesque Ck / Fishing Ck / Straight Ck	Total Coliform					4
17	02040206110020-01	Fortesque Ck / Fishing Ck / Straight Ck	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
13	02040301130010-01	Four Mile Branch (Mill Creek)	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers			5
02	02020007010030-01	Franklin Pond Creek	Temperature					5
19	02040202050050-01	Friendship Creek (below/incl Burrs Mill Bk)	Arsenic	Natural Sources				5
19	02040202050050-01	Friendship Creek (below/incl Burrs Mill Bk)	E. Coli	Urban Runoff/Storm Sewers				5
19	02040202050050-01	Friendship Creek (below/incl Burrs Mill Bk)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
01	02040105090050-01	Furnace Brook	Arsenic					5
01	02040105090050-01	Furnace Brook	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers	Agriculture		5
01	02040105090050-01	Furnace Brook	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
17	02040206030050-01	Game Creek (above Rt 48)	Phosphorus	Package Plant or Other Permitted Small Flows Discharges	Agriculture	Urban Runoff/Storm Sewers		5
17	02040206030050-01	Game Creek (above Rt 48)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
17	02040206030070-01	Game Creek (below Rt 48)	Dissolved Oxygen					5
17	02040206030070-01	Game Creek (below Rt 48)	Phosphorus					5
19	02040202020010-01	Gaunts Brook / Hartshorne Mill Stream	Lead	Urban Runoff/Storm Sewers				5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
19	02040202020010-01	Gaunts Brook / Hartshorne Mill Stream	Copper	Urban Runoff/Storm Sewers				5
19	02040202020010-01	Gaunts Brook / Hartshorne Mill Stream	Arsenic					5
15	02040302060040-01	GEH Bay/Lakes Bay/Skull Bay/Peck Bay	Dissolved Oxygen	Urban Runoff/Storm Sewers				5
15	02040302060040-01	GEH Bay/Lakes Bay/Skull Bay/Peck Bay	Total Coliform	Urban Runoff/Storm Sewers				4
15	02040302040080-01	GEHR (39d32m50s to Hospitality Branch)	Copper	Cause Unknown				5
15	02040302040080-01	GEHR (39d32m50s to Hospitality Branch)	pH	Urban Runoff/Storm Sewers	Agriculture			5
15	02040302030010-01	GEHR (above New Freedom Rd)	pH	Urban Runoff/Storm Sewers	Agriculture			5
15	02040302030020-01	GEHR (AC Expressway to New Freedom Rd)	pH	Urban Runoff/Storm Sewers	Agriculture			5
15	02040302030020-01	GEHR (AC Expressway to New Freedom Rd)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
15	02040302030020-01	GEHR (AC Expressway to New Freedom Rd)	Phosphorus	Urban Runoff/Storm Sewers	Agriculture			4
15	02040302030040-01	GEHR (Broad Lane road to AC Expressway)	E. Coli	Urban Runoff/Storm Sewers				4
15	02040302030040-01	GEHR (Broad Lane road to AC Expressway)	pH	Urban Runoff/Storm Sewers	Agriculture			5
15	02040302030040-01	GEHR (Broad Lane road to AC Expressway)	Arsenic	Urban Runoff/Storm Sewers	Agriculture			5
15	02040302050140-01	GEHR (GEH Bay to Gibson Ck)	Total Coliform	Urban Runoff/Storm Sewers				4
15	02040302050140-01	GEHR (GEH Bay to Gibson Ck)	Dissolved Oxygen	Source Unknown	Natural Sources			5
15	02040302050130-01	GEHR (GEH Bay to Miry Run)	Total Coliform	Urban Runoff/Storm Sewers				4
15	02040302030080-01	GEHR (Hospitality Br to Piney Hollow Rd)	Copper	Cause Unknown				5
15	02040302030080-01	GEHR (Hospitality Br to Piney Hollow Rd)	pH	Urban Runoff/Storm Sewers	Agriculture			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
15	02040302040130-01	GEHR (Lake Lenape to Mare Run)	pH	Urban Runoff/Storm Sewers	Agriculture			5
15	02040302040130-01	GEHR (Lake Lenape to Mare Run)	Copper	Cause Unknown				5
15	02040302040130-01	GEHR (Lake Lenape to Mare Run)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
15	02040302040110-01	GEHR (Mare Run to Rt 322)	pH	Urban Runoff/Storm Sewers	Agriculture			5
15	02040302040110-01	GEHR (Mare Run to Rt 322)	Copper	Cause Unknown				5
15	02040302050060-01	GEHR (Miry Run to Lake Lenape)	Total Coliform	Urban Runoff/Storm Sewers				4
15	02040302030060-01	GEHR (Piney Hollow Rd to Broad Lane rd)	pH	Urban Runoff/Storm Sewers	Agriculture			5
15	02040302030060-01	GEHR (Piney Hollow Rd to Broad Lane rd)	Arsenic	Natural Sources				5
15	02040302040090-01	GEHR (Rt 322 to 39d32m50s)	Copper	Cause Unknown				5
15	02040302040090-01	GEHR (Rt 322 to 39d32m50s)	pH	Urban Runoff/Storm Sewers	Agriculture			5
15	02040302050100-01	Gibson Creek / Jackson Creek	Total Coliform	Source Unknown				4
04	02030103120050-01	Goffle Brook	E. Coli	Urban Runoff/Storm Sewers				4
04	02030103120050-01	Goffle Brook	Total Dissolved Solids	Industrial Point Source Discharge	Urban Runoff/Storm Sewers			5
04	02030103120050-01	Goffle Brook	Cause Unknown	Source Unknown				5
15	02040302050050-01	Gravelly Run (above Gravelly Run road)	Arsenic	Natural Sources				5
14	02040301210050-01	Great Bay tribs	Dissolved Oxygen	Urban Runoff/Storm Sewers	Natural Sources			5
06	02030103010030-01	Great Brook (above Green Village Rd)	Cause Unknown	Source Unknown				5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
06	02030103010050-01	Great Brook (below Green Village Rd)	Arsenic					5
06	02030103010050-01	Great Brook (below Green Village Rd)	Phosphorus					4
06	02030103010050-01	Great Brook (below Green Village Rd)	E. Coli					5
06	02030103010050-01	Great Brook (below Green Village Rd)	Dissolved Oxygen					5
09	02030105130010-01	Great Ditch / Pigeon Swamp	E. Coli					5
14	02040301160120-01	Great Swamp Branch (above Rt 206)	Dissolved Oxygen	Agriculture	Urban Runoff/Storm Sewers			5
14	02040301160120-01	Great Swamp Branch (above Rt 206)	Temperature	Agriculture	Loss of Riparian Habitat			5
14	02040301160120-01	Great Swamp Branch (above Rt 206)	pH	Agriculture	Urban Runoff/Storm Sewers			5
14	02040301160120-01	Great Swamp Branch (above Rt 206)	Nitrate	Agriculture	Urban Runoff/Storm Sewers			5
14	02040301160120-01	Great Swamp Branch (above Rt 206)	Arsenic	Agriculture	Urban Runoff/Storm Sewers			5
14	02040301160130-01	Great Swamp Branch (below Rt 206)	Nitrate	Agriculture	Urban Runoff/Storm Sewers			5
14	02040301160130-01	Great Swamp Branch (below Rt 206)	pH	Agriculture	Urban Runoff/Storm Sewers			5
14	02040301160130-01	Great Swamp Branch (below Rt 206)	Arsenic	Agriculture	Urban Runoff/Storm Sewers			5
14	02040301160130-01	Great Swamp Branch (below Rt 206)	E. Coli	Urban Runoff/Storm Sewers	Agriculture			4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
09	02030105120010-01	Green Bk (above/incl Blue Brook)	E. Coli	Urban Runoff/Storm Sewers				4
09	02030105120010-01	Green Bk (above/incl Blue Brook)	Temperature					5
09	02030105120130-01	Green Bk (below Bound Brook)	E. Coli	Urban Runoff/Storm Sewers				4
09	02030105120130-01	Green Bk (below Bound Brook)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
09	02030105120130-01	Green Bk (below Bound Brook)	pH					5
09	02030105120130-01	Green Bk (below Bound Brook)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			5
09	02030105120130-01	Green Bk (below Bound Brook)	Total Suspended Solids	Urban Runoff/Storm Sewers				5
09	02030105120130-01	Green Bk (below Bound Brook)	Dissolved Oxygen					5
09	02030105120040-01	Green Bk (Bound Bk to N Plainfield gage)	pH					5
09	02030105120040-01	Green Bk (Bound Bk to N Plainfield gage)	E. Coli	Urban Runoff/Storm Sewers				4
09	02030105120020-01	Green Bk (N Plainfield gage to Blue Bk)	Arsenic					5
09	02030105120020-01	Green Bk (N Plainfield gage to Blue Bk)	E. Coli	Urban Runoff/Storm Sewers				4
09	02030105120020-01	Green Bk (N Plainfield gage to Blue Bk)	pH					5
09	02030105120020-01	Green Bk (N Plainfield gage to Blue Bk)	Total Dissolved Solids					5
17	02040206140030-01	Green Branch / Endless Branch	Mercury in Water Column					5
17	02040206140030-01	Green Branch / Endless Branch	Arsenic					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
16	02040206230040-01	Green Ck (Norburys Landng to Pierces Pt)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
16	02040206230040-01	Green Ck (Norburys Landng to Pierces Pt)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			5
16	02040206230040-01	Green Ck (Norburys Landng to Pierces Pt)	Dissolved Oxygen	Agriculture	Urban Runoff/Storm Sewers			5
16	02040206230040-01	Green Ck (Norburys Landng to Pierces Pt)	Total Dissolved Solids	Agriculture	Urban Runoff/Storm Sewers			5
06	02030103030060-01	Green Pond Brook (below Burnt Meadow Bk)	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers			5
19	02040202030090-01	Greenwood Br (below CountryLk & MM confl)	pH					5
19	02040202030090-01	Greenwood Br (below CountryLk & MM confl)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
19	02040202030090-01	Greenwood Br (below CountryLk & MM confl)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
06	02030103020030-01	Greystone / Watnong Mtn tribs	Cause Unknown	Source Unknown				5
05	02030103170030-01	Hackensack R (above Old Tappan gage)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			5
05	02030103170030-01	Hackensack R (above Old Tappan gage)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
05	02030103170030-01	Hackensack R (above Old Tappan gage)	E. Coli	Urban Runoff/Storm Sewers				4
05	02030103170030-01	Hackensack R (above Old Tappan gage)	Dissolved Oxygen					5
05	02030103170030-01	Hackensack R (above Old Tappan gage)	Arsenic	Natural Sources	Urban Runoff/Storm Sewers			5
05	02030103180090-01	Hackensack R (Amtrak bridge to Rt 3)	Nickel					4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
05	02030103180090-01	Hackensack R (Amtrak bridge to Rt 3)	Heptachlor epoxide	Contaminated Sediments	Source Unknown			5
05	02030103180090-01	Hackensack R (Amtrak bridge to Rt 3)	Dissolved Oxygen	Combined Sewer Overflows	Industrial Point Source Discharge	Package Plant or Other Permitted Small Flows Discharges	Urban Runoff/Storm Sewers	5
05	02030103180090-01	Hackensack R (Amtrak bridge to Rt 3)	Dioxin	Atmospheric Depositon - Toxics	Combined Sewer Overflows	Package Plant or Other Permitted Small Flows Discharges	Urban Runoff/Storm Sewers	5
05	02030103180090-01	Hackensack R (Amtrak bridge to Rt 3)	Dieldrin	Contaminated Sediments	Source Unknown			5
05	02030103180090-01	Hackensack R (Amtrak bridge to Rt 3)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
05	02030103180090-01	Hackensack R (Amtrak bridge to Rt 3)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
05	02030103180090-01	Hackensack R (Amtrak bridge to Rt 3)	Benzo(a)Pyrene	Source Unknown				5
05	02030103180090-01	Hackensack R (Amtrak bridge to Rt 3)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
05	02030103180050-01	Hackensack R (Bellmans Ck to Ft Lee Rd)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
05	02030103180050-01	Hackensack R (Bellmans Ck to Ft Lee Rd)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
05	02030103180050-01	Hackensack R (Bellmans Ck to Ft Lee Rd)	Heptachlor epoxide	Contaminated Sediments	Source Unknown			5
05	02030103180050-01	Hackensack R (Bellmans Ck to Ft Lee Rd)	Dioxin	Atmospheric Depositon - Toxics	Combined Sewer Overflows	Municipal Point Source Discharges	Urban Runoff/Storm Sewers	5
05	02030103180050-01	Hackensack R (Bellmans Ck to Ft Lee Rd)	Dieldrin	Contaminated Sediments	Source Unknown			5
05	02030103180050-01	Hackensack R (Bellmans Ck to Ft Lee Rd)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
05	02030103180050-01	Hackensack R (Bellmans Ck to Ft Lee Rd)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
05	02030103180050-01	Hackensack R (Bellmans Ck to Ft Lee Rd)	Benzo(a)Pyrene	Source Unknown				5
05	02030103180100-01	Hackensack R (below Amtrak bridge)	Dieldrin	Contaminated Sediments	Source Unknown			5
05	02030103180100-01	Hackensack R (below Amtrak bridge)	Dioxin	Atmospheric Depositon - Toxics	Combined Sewer Overflows	Package Plant or Other Permitted Small Flows Discharges	Urban Runoff/Storm Sewers	5
05	02030103180100-01	Hackensack R (below Amtrak bridge)	Dissolved Oxygen	Combined Sewer Overflows	Industrial Point Source Discharge	Package Plant or Other Permitted Small Flows Discharges	Urban Runoff/Storm Sewers	5
05	02030103180100-01	Hackensack R (below Amtrak bridge)	Heptachlor epoxide	Contaminated Sediments	Source Unknown			5
05	02030103180100-01	Hackensack R (below Amtrak bridge)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Combined Sewer Overflows	Industrial Point Source Discharge	Urban Runoff/Storm Sewers	5
05	02030103180100-01	Hackensack R (below Amtrak bridge)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
05	02030103180100-01	Hackensack R (below Amtrak bridge)	Phosphorus					4
05	02030103180100-01	Hackensack R (below Amtrak bridge)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
05	02030103180100-01	Hackensack R (below Amtrak bridge)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
05	02030103180100-01	Hackensack R (below Amtrak bridge)	benzo(a)Pyrene	Source Unknown				5
05	02030103180100-01	Hackensack R (below Amtrak bridge)	Nickel					4
05	02030103180030-01	Hackensack R (Ft Lee Rd to Oradell gage)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
05	02030103180030-01	Hackensack R (Ft Lee Rd to Oradell gage)	Heptachlor epoxide	Contaminated Sediments	Source Unknown			5
05	02030103180030-01	Hackensack R (Ft Lee Rd to Oradell gage)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Combined Sewer Overflows	Industrial Point Source Discharge	Urban Runoff/Storm Sewers	5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
05	02030103180030-01	Hackensack R (Ft Lee Rd to Oradell gage)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
05	02030103180030-01	Hackensack R (Ft Lee Rd to Oradell gage)	Enterococcus	Combined Sewer Overflows	Urban Runoff/Storm Sewers			5
05	02030103180030-01	Hackensack R (Ft Lee Rd to Oradell gage)	Benzo(a)Pyrene	Source Unknown				5
05	02030103180030-01	Hackensack R (Ft Lee Rd to Oradell gage)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
05	02030103180030-01	Hackensack R (Ft Lee Rd to Oradell gage)	Arsenic					5
05	02030103180030-01	Hackensack R (Ft Lee Rd to Oradell gage)	Dioxin	Atmospheric Depositon - Toxics	Combined Sewer Overflows	Urban Runoff/Storm Sewers		5
05	02030103180030-01	Hackensack R (Ft Lee Rd to Oradell gage)	Dieldrin	Contaminated Sediments	Source Unknown			5
05	02030103180030-01	Hackensack R (Ft Lee Rd to Oradell gage)	pH					5
05	02030103180030-01	Hackensack R (Ft Lee Rd to Oradell gage)	Turbidity	Combined Sewer Overflows	Industrial Point Source Discharge	Urban Runoff/Storm Sewers		5
05	02030103170060-01	Hackensack R (Oradell to OldTappan gage)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
05	02030103170060-01	Hackensack R (Oradell to OldTappan gage)	Dissolved Oxygen	Industrial Point Source Discharge	Urban Runoff/Storm Sewers			5
05	02030103170060-01	Hackensack R (Oradell to OldTappan gage)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Industrial Point Source Discharge			5
05	02030103170060-01	Hackensack R (Oradell to OldTappan gage)	Phosphorus	Industrial Point Source Discharge	Agriculture	Urban Runoff/Storm Sewers		5
05	02030103170060-01	Hackensack R (Oradell to OldTappan gage)	Arsenic	Industrial Point Source Discharge	Urban Runoff/Storm Sewers			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
05	02030103180080-01	Hackensack R (Rt 3 to Bellmans Ck)	Heptachlor epoxide	Contaminated Sediments	Source Unknown			5
05	02030103180080-01	Hackensack R (Rt 3 to Bellmans Ck)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
05	02030103180080-01	Hackensack R (Rt 3 to Bellmans Ck)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
05	02030103180080-01	Hackensack R (Rt 3 to Bellmans Ck)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Combined Sewer Overflows	Industrial Point Source Discharge	Urban Runoff/Storm Sewers	5
05	02030103180080-01	Hackensack R (Rt 3 to Bellmans Ck)	Dioxin	Atmospheric Depositon - Toxics	Combined Sewer Overflows	Municipal Point Source Discharges	Urban Runoff/Storm Sewers	5
05	02030103180080-01	Hackensack R (Rt 3 to Bellmans Ck)	Benzo(a)pyrene	Source Unknown				5
05	02030103180080-01	Hackensack R (Rt 3 to Bellmans Ck)	Dieldrin	Contaminated Sediments	Source Unknown			5
05	02030103180080-01	Hackensack R (Rt 3 to Bellmans Ck)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
11	02040105170020-01	Hakihokake Creek	E. Coli					4
11	02040105170020-01	Hakihokake Creek	Temperature					5
11	02040105170020-01	Hakihokake Creek	Arsenic					5
15	02040302070070-01	Halfway Creek	Total Coliform	Urban Runoff/Storm Sewers				4
14	02040301170010-01	Hammonton Creek (above 74d43m)	Copper	Municipal Point Source Discharges				5
14	02040301170010-01	Hammonton Creek (above 74d43m)	E. Coli	Urban Runoff/Storm Sewers	Agriculture			4
14	02040301170010-01	Hammonton Creek (above 74d43m)	Mercury in Water Column	Rcra Hazardous Waste Sites				5
14	02040301170010-01	Hammonton Creek (above 74d43m)	Nitrate	Municipal Point Source Discharges	Agriculture	Urban Runoff/Storm Sewers		5
14	02040301170010-01	Hammonton Creek (above 74d43m)	pH	Municipal Point Source Discharges	Urban Runoff/Storm Sewers	Agriculture		5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
14	02040301170010-01	Hammonton Creek (above 74d43m)	Phosphorus	Municipal Point Source Discharges	Agriculture	Urban Runoff/Storm Sewers		5
14	02040301170010-01	Hammonton Creek (above 74d43m)	Total Suspended Solids	Municipal Point Source Discharges	Agriculture	Urban Runoff/Storm Sewers		5
14	02040301170010-01	Hammonton Creek (above 74d43m)	Arsenic	Municipal Point Source Discharges	Agriculture	Urban Runoff/Storm Sewers		5
14	02040301170030-01	Hammonton Creek (below Columbia Rd)	pH	Agriculture	Urban Runoff/Storm Sewers	Municipal Point Source Discharges		5
14	02040301170030-01	Hammonton Creek (below Columbia Rd)	Phosphorus	Agriculture	Municipal Point Source Discharges	Urban Runoff/Storm Sewers		5
14	02040301170020-01	Hammonton Creek (Columbia Rd to 74d43m)	Arsenic	Agriculture	Urban Runoff/Storm Sewers	Municipal Point Source Discharges		5
14	02040301170020-01	Hammonton Creek (Columbia Rd to 74d43m)	Phosphorus	Agriculture	Municipal Point Source Discharges	Urban Runoff/Storm Sewers		5
14	02040301170020-01	Hammonton Creek (Columbia Rd to 74d43m)	E. Coli	Urban Runoff/Storm Sewers	Agriculture			4
14	02040301170020-01	Hammonton Creek (Columbia Rd to 74d43m)	Mercury in Water Column	Rcra Hazardous Waste Sites				5
14	02040301170020-01	Hammonton Creek (Columbia Rd to 74d43m)	Nitrate	Agriculture	Municipal Point Source Discharges	Urban Runoff/Storm Sewers		5
14	02040301170020-01	Hammonton Creek (Columbia Rd to 74d43m)	pH	Agriculture	Urban Runoff/Storm Sewers	Municipal Point Source Discharges		5
14	02040301170020-01	Hammonton Creek (Columbia Rd to 74d43m)	Copper	Municipal Point Source Discharges				5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
17	02040206170010-01	Hankins Pond trib (Millville)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206170010-01	Hankins Pond trib (Millville)	Phosphorus					5
02	02020007010050-01	Hardistonville tribs	Temperature					5
11	02040105170030-01	Harihokake Creek (and to Hakihokake Ck)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			5
11	02040105170030-01	Harihokake Creek (and to Hakihokake Ck)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			5
17	02040206060070-01	Harmony trib (Alloway Creek)	Total Coliform					5
17	02040206060070-01	Harmony trib (Alloway Creek)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
06	02030103010090-01	Harrisons Brook	Cause Unknown	Source Unknown				5
19	02040202060030-01	Haynes Creek (below Lake Pine)	pH					5
14	02040301160050-01	Hays Mill Creek (above Tremont Ave)	pH	Urban Runoff/Storm Sewers	Agriculture			5
13	02040301020030-01	Haystack Brook	E. Coli	Urban Runoff/Storm Sewers				4
08	02030105030030-01	Headquarters trib (Third Neshanic River)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
08	02030105030030-01	Headquarters trib (Third Neshanic River)	Dissolved Oxygen	Agriculture	Urban Runoff/Storm Sewers			5
10	02030105110010-01	Heathcote Brook	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
10	02030105110010-01	Heathcote Brook	Cause Unknown	Source Unknown				5
06	02030103030100-01	Hibernia Brook	Temperature					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
02	02020007040040-01	Highland Lake/Wawayanda Lake	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
04	02030103140010-01	Hohokus Bk (above Godwin Ave)	Arsenic					5
04	02030103140010-01	Hohokus Bk (above Godwin Ave)	E. Coli	Urban Runoff/Storm Sewers				4
04	02030103140010-01	Hohokus Bk (above Godwin Ave)	Phosphorus	Industrial Point Source Discharge	Package Plant or Other Permitted Small Flows Discharges	Urban Runoff/Storm Sewers		5
04	02030103140010-01	Hohokus Bk (above Godwin Ave)	Total Dissolved Solids	Industrial Point Source Discharge	Urban Runoff/Storm Sewers			5
04	02030103140030-01	Hohokus Bk (below Pennington Ave)	Phosphorus					5
04	02030103140030-01	Hohokus Bk (below Pennington Ave)	E. Coli	Urban Runoff/Storm Sewers				4
04	02030103140030-01	Hohokus Bk (below Pennington Ave)	Nitrate					5
04	02030103140020-01	Hohokus Bk (Pennington Ave to Godwin Ave)	Total Dissolved Solids	Industrial Point Source Discharge	Urban Runoff/Storm Sewers			5
04	02030103140020-01	Hohokus Bk (Pennington Ave to Godwin Ave)	E. Coli	Urban Runoff/Storm Sewers				4
04	02030103140020-01	Hohokus Bk (Pennington Ave to Godwin Ave)	Cause Unknown	Source Unknown				5
08	02030105040030-01	Holland Brook	Phosphorus					5
08	02030105040030-01	Holland Brook	pH					5
01	02040105100020-01	Honey Run	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
01	02040105100020-01	Honey Run	Dissolved Oxygen	Upstream Impoundments (e.g., Pl-566 NRCS Structures)	Agriculture	Urban Runoff/Storm Sewers		5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
12	02030104070010-01	Hop Brook	Arsenic	Package Plant or Other Permitted Small Flows Discharges	Agriculture	Urban Runoff/Storm Sewers		5
12	02030104070010-01	Hop Brook	Total Suspended Solids	Agriculture	Urban Runoff/Storm Sewers	Package Plant or Other Permitted Small Flows Discharges		5
12	02030104070010-01	Hop Brook	Phosphorus	Package Plant or Other Permitted Small Flows Discharges	Agriculture	Urban Runoff/Storm Sewers		5
12	02030104070010-01	Hop Brook	pH	Urban Runoff/Storm Sewers	Agriculture			5
12	02030104070010-01	Hop Brook	E. Coli	Urban Runoff/Storm Sewers	Agriculture			4
17	02040206060100-01	Hope Creek / Artificial Island	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206060100-01	Hope Creek / Artificial Island	Total Coliform					5
15	02040302040010-01	Hospitality Br (above Whitehouse Rd)	pH	Urban Runoff/Storm Sewers	Agriculture			5
15	02040302040010-01	Hospitality Br (above Whitehouse Rd)	E. Coli	Urban Runoff/Storm Sewers				4
15	02040302040070-01	Hospitality Br (below Piney Hollow Rd)	Arsenic	Natural Sources				5
15	02040302040070-01	Hospitality Br (below Piney Hollow Rd)	pH	Urban Runoff/Storm Sewers	Agriculture			5
15	02040302040020-01	Hospitality Br (Rt 538 to Whitehouse Rd)	pH	Urban Runoff/Storm Sewers	Agriculture			5
05	02030101170030-01	Hudson River (lower)	Dieldrin	Contaminated Sediments	Source Unknown			5
05	02030101170030-01	Hudson River (lower)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
05	02030101170030-01	Hudson River (lower)	Dioxin					5
05	02030101170030-01	Hudson River (lower)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
05	02030101170030-01	Hudson River (lower)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
05	02030101170030-01	Hudson River (lower)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
05	02030101170030-01	Hudson River (lower)	Cause Unknown	Source Unknown				5
05	02030101170030-01	Hudson River (lower)	Benzo(a)Pyrene	Source Unknown				5
05	02030101170030-01	Hudson River (lower)	Hexachlorobenzene	Source Unknown				5
05	02030101170010-01	Hudson River (upper)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
05	02030101170010-01	Hudson River (upper)	Cause Unknown	Source Unknown				5
05	02030101170010-01	Hudson River (upper)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
05	02030101170010-01	Hudson River (upper)	Dieldrin	Contaminated Sediments	Source Unknown			5
05	02030101170010-01	Hudson River (upper)	Dioxin					5
05	02030101170010-01	Hudson River (upper)	Hexachlorobenzene	Source Unknown				5
05	02030101170010-01	Hudson River (upper)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
05	02030101170010-01	Hudson River (upper)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
05	02030101170010-01	Hudson River (upper)	Phosphorus					5
05	02030101170010-01	Hudson River (upper)	Benzo(a)Pyrene	Source Unknown				5
17	02040206130030-01	Indian Branch (Scotland Run)	E. Coli	Urban Runoff/Storm Sewers				4
17	02040206130030-01	Indian Branch (Scotland Run)	Dissolved Oxygen					5
14	02040301170090-01	Indian Cabin Creek	Dissolved Oxygen	Urban Runoff/Storm Sewers	Agriculture			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
14	02040301150030-01	Indian Mills Brook / Muskingum Brook	pH	Agriculture	Urban Runoff/Storm Sewers			5
17	02040206150040-01	Indian Run (Muddy Run)	Cause Unknown	Source Unknown	Agriculture	Urban Runoff/Storm Sewers		5
17	02040206150040-01	Indian Run (Muddy Run)	Arsenic					5
09	02030105130040-01	Ireland Brook	pH	Agriculture	Urban Runoff/Storm Sewers			5
20	02040201100030-01	Jacksonville trib (above Barkers Brook)	E. Coli					5
11	02040105210060-01	Jacobs Creek (above Woolsey Brook)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
11	02040105210060-01	Jacobs Creek (above Woolsey Brook)	Arsenic	Agriculture				5
11	02040105210060-01	Jacobs Creek (above Woolsey Brook)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			5
11	02040105210060-01	Jacobs Creek (above Woolsey Brook)	Dissolved Oxygen					5
11	02040105210060-01	Jacobs Creek (above Woolsey Brook)	Mercury in Water Column	Atmospheric Depositon - Toxics				5
11	02040105210060-01	Jacobs Creek (above Woolsey Brook)	Total Suspended Solids					5
11	02040105210070-01	Jacobs Creek (below/incl Woolsey Brook)	Arsenic					5
11	02040105210070-01	Jacobs Creek (below/incl Woolsey Brook)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
19	02040202050070-01	Jade Run	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
19	02040202050070-01	Jade Run	pH	Agriculture	Urban Runoff/Storm Sewers			5
19	02040202050070-01	Jade Run	Dissolved Oxygen	Agriculture	Urban Runoff/Storm Sewers			5
13	02040301080070-01	Jakes Branch (Lower Toms River)	E. Coli	Urban Runoff/Storm Sewers				5
13	02040301080070-01	Jakes Branch (Lower Toms River)	Dissolved Oxygen	Urban Runoff/Storm Sewers	Natural Sources			5
12	02030104090050-01	Jumping Brook (Monmouth Co)	Cause Unknown	Source Unknown				5
12	02030104090050-01	Jumping Brook (Monmouth Co)	E. Coli	Urban Runoff/Storm Sewers				4
20	02040201040040-01	Jumping Brook (Ocean Co)	Arsenic					5
20	02040201040040-01	Jumping Brook (Ocean Co)	Dissolved Oxygen					5
20	02040201040040-01	Jumping Brook (Ocean Co)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Industrial Point Source Discharge	Agriculture	Urban Runoff/Storm Sewers	5
13	02040301050010-01	Kettle Creek (above Lake Riviera outlet)	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers			5
13	02040301050010-01	Kettle Creek (above Lake Riviera outlet)	Arsenic	Urban Runoff/Storm Sewers				5
13	02040301050020-01	Kettle Creek (below Lake Riviera outlet)	Total Coliform	Urban Runoff/Storm Sewers				4
13	02040301050020-01	Kettle Creek (below Lake Riviera outlet)	Arsenic	Natural Sources				5
19	02040202060010-01	Kettle Run (above Centennial Lake)	pH	Urban Runoff/Storm Sewers				5
07	02030104010020-01	Kill Van Kull West	Hexachlorobenzene	Source Unknown				5
07	02030104010020-01	Kill Van Kull West	Cause Unknown	Source Unknown				5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
07	02030104010020-01	Kill Van Kull West	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
07	02030104010020-01	Kill Van Kull West	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
07	02030104010020-01	Kill Van Kull West	Dieldrin	Contaminated Sediments	Source Unknown			5
07	02030104010020-01	Kill Van Kull West	Dioxin	Atmospheric Depositon - Toxics	Combined Sewer Overflows	Municipal Point Source Discharges		5
07	02030104010020-01	Kill Van Kull West	Benzo(a)Pyrene	Source Unknown				5
07	02030104010020-01	Kill Van Kull West	Heptachlor epoxide	Contaminated Sediments	Source Unknown			5
07	02030104010020-01	Kill Van Kull West	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
11	02040105170060-01	Kingwood Twp(Warford-Little Nishisakawk)	Phosphorus	Package Plant or Other Permitted Small Flows Discharges	Agriculture	Urban Runoff/Storm Sewers		5
11	02040105170060-01	Kingwood Twp(Warford-Little Nishisakawk)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
01	02040105040040-01	Lafayette Swamp tribs	Cause Unknown	Source Unknown	Agriculture			5
20	02040201050010-01	Lahaway Ck (above Prospertown)	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers			5
20	02040201050020-01	Lahaway Ck (Allentwn/NE Road-Prospertown)	Phosphorus	Transfer of Water from an Outside Watershed	Agriculture	Urban Runoff/Storm Sewers		5
20	02040201050020-01	Lahaway Ck (Allentwn/NE Road-Prospertown)	Arsenic					5
01	02040105150020-01	Lake Hopatcong	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
01	02040105150020-01	Lake Hopatcong	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
01	02040105150020-01	Lake Hopatcong	pH					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
01	02040105070010-01	Lake Lenape trib	Temperature					5
19	02040202060020-01	Lake Pine / Centennial Lake & tribs	pH					5
15	02040302050110-01	Lakes Creek (GEHR)	Total Coliform	Urban Runoff/Storm Sewers				4
15	02040302050110-01	Lakes Creek (GEHR)	Dissolved Oxygen	Urban Runoff/Storm Sewers				5
08	02030105050030-01	Lamington R (Furnace Rd to Hillside Rd)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
08	02030105050070-01	Lamington R (HallsBrRd-HerzogBrk)	Temperature					5
08	02030105050070-01	Lamington R (HallsBrRd-HerzogBrk)	E. Coli					4
08	02030105050070-01	Lamington R (HallsBrRd-HerzogBrk)	pH					5
08	02030105050070-01	Lamington R (HallsBrRd-HerzogBrk)	Phosphorus					5
08	02030105050130-01	Lamington R (Hertzog Brk to Pottersville gage)	Temperature					5
08	02030105050130-01	Lamington R (Hertzog Brk to Pottersville gage)	E. Coli					4
08	02030105050020-01	Lamington R (Hillside Rd to Rt 10)	E. Coli	Urban Runoff/Storm Sewers				4
08	02030105050020-01	Lamington R (Hillside Rd to Rt 10)	Dissolved Oxygen					5
08	02030105050020-01	Lamington R (Hillside Rd to Rt 10)	Phosphorus					5
08	02030105050040-01	Lamington R (Pottersville gage-FurnaceRd)	Arsenic					5
08	02030105050040-01	Lamington R (Pottersville gage-FurnaceRd)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
14	02040301170100-01	Landing Creek (above Rt 563)	pH	Urban Runoff/Storm Sewers	Agriculture			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
14	02040301170100-01	Landing Creek (above Rt 563)	Arsenic	Natural Sources				5
14	02040301170120-01	Landing Creek (below Indian Cabin Ck)	Total Coliform	Urban Runoff/Storm Sewers				4
14	02040301170110-01	Landing Creek (Indian Cabin Ck to Rt563)	pH	Urban Runoff/Storm Sewers	Agriculture	Golf Course		5
09	02030105130020-01	Lawrence Bk (above Deans Pond dam)	Arsenic	Urban Runoff/Storm Sewers				5
09	02030105130020-01	Lawrence Bk (above Deans Pond dam)	Cause Unknown	Source Unknown				5
09	02030105130070-01	Lawrence Bk (below Milltown/Herberts br)	Arsenic					5
09	02030105130070-01	Lawrence Bk (below Milltown/Herberts br)	Cause Unknown	Source Unknown	Agriculture			5
09	02030105130070-01	Lawrence Bk (below Milltown/Herberts br)	Dioxin	Atmospheric Depositon - Toxics	Package Plant or Other Permitted Small Flows Discharges	Agriculture	Urban Runoff/Storm Sewers	5
09	02030105130070-01	Lawrence Bk (below Milltown/Herberts br)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
09	02030105130050-01	Lawrence Bk (Church Lane to Deans Pond)	Phosphorus					4
09	02030105130050-01	Lawrence Bk (Church Lane to Deans Pond)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			5
09	02030105130050-01	Lawrence Bk (Church Lane to Deans Pond)	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers			5
09	02030105130050-01	Lawrence Bk (Church Lane to Deans Pond)	Arsenic	Agriculture	Urban Runoff/Storm Sewers			5
09	02030105130050-01	Lawrence Bk (Church Lane to Deans Pond)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
09	02030105130060-01	Lawrence Bk (Milltown to Church Lane)	Arsenic	Natural Sources				5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
09	02030105130060-01	Lawrence Bk (Milltown to Church Lane)	E. Coli					5
09	02030105130060-01	Lawrence Bk (Milltown to Church Lane)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
09	02030105130060-01	Lawrence Bk (Milltown to Church Lane)	Phosphorus					5
20	02040201090030-01	LDRV tribs (Assiscunk Ck to Blacks Ck)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
20	02040201090030-01	LDRV tribs (Assiscunk Ck to Blacks Ck)	Cause Unknown	Source Unknown				5
20	02040201110010-01	LDRV tribs (Beverly to Assiscunk Ck)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
20	02040201110010-01	LDRV tribs (Beverly to Assiscunk Ck)	Phosphorus					4
20	02040201090040-01	LDRV tribs (Bustleton Creek area)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206020010-01	LDRV tribs (Lakeview Ave to Oldmans Ck)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206020020-01	LDRV tribs (Marsh Pt-Main St Pennsville)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206020020-01	LDRV tribs (Marsh Pt-Main St Pennsville)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Industrial Point Source Discharge	Municipal Point Source Discharges	Urban Runoff/Storm Sewers	5
17	02040206020020-01	LDRV tribs (Marsh Pt-Main St Pennsville)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202110070-01	LDRV tribs (Pennsauken Ck to 28th St)	E. Coli					5
03	02030103110010-01	Lincoln Park tribs (Pompton River)	Arsenic					5
03	02030103110010-01	Lincoln Park tribs (Pompton River)	Cause Unknown	Source Unknown				5
03	02030103110010-01	Lincoln Park tribs (Pompton River)	E. Coli	Urban Runoff/Storm Sewers				4
19	02040202060070-01	Little Creek (above Bear Swamp River)	Arsenic					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
19	02040202060070-01	Little Creek (above Bear Swamp River)	pH					5
19	02040202060070-01	Little Creek (above Bear Swamp River)	E. Coli					5
19	02040202060090-01	Little Creek (below Bear Swamp River)	E. Coli					5
17	02040206120010-01	Little Ease Run (above Academy Rd)	pH					5
17	02040206120020-01	Little Ease Run (below Academy Rd)	Arsenic					5
17	02040206120020-01	Little Ease Run (below Academy Rd)	pH					5
17	02040206120020-01	Little Ease Run (below Academy Rd)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
01	02040104130010-01	Little Flat Brook (Beerskill and above)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
01	02040104130010-01	Little Flat Brook (Beerskill and above)	Temperature	Upstream Impoundments (e.g., Pl-566 NRCS Structures)	Urban Runoff/Storm Sewers	Agriculture		5
01	02040104130030-01	Little Flat Brook (Confluence to Layton)	Temperature	Upstream Impoundments (e.g., Pl-566 NRCS Structures)				5
01	02040104130020-01	Little Flat Brook (Layton to Beerskill)	Temperature	Upstream Impoundments (e.g., Pl-566 NRCS Structures)				5
11	02040105240050-01	Little Shabakunk Creek	Phosphorus					5
11	02040105240050-01	Little Shabakunk Creek	Arsenic					5
11	02040105240050-01	Little Shabakunk Creek	E. Coli					4
11	02040105240050-01	Little Shabakunk Creek	Lead					5
11	02040105240050-01	Little Shabakunk Creek	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
12	02030104080010-01	Little Silver Creek / Town Neck Creek	Enterococcus	Urban Runoff/Storm Sewers				4
12	02030104080010-01	Little Silver Creek / Town Neck Creek	Total Coliform	Urban Runoff/Storm Sewers				4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
12	02030104080010-01	Little Silver Creek / Town Neck Creek	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104080010-01	Little Silver Creek / Town Neck Creek	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104080010-01	Little Silver Creek / Town Neck Creek	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Urban Runoff/Storm Sewers			5
18	02040202120070-01	Little Timber Creek (Gloucester City)	Cause Unknown	Source Unknown				5
18	02040202120070-01	Little Timber Creek (Gloucester City)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
06	02030103010040-01	Loantaka Brook	E. Coli	Urban Runoff/Storm Sewers				5
06	02030103010040-01	Loantaka Brook	Phosphorus					4
06	02030103010040-01	Loantaka Brook	Total Dissolved Solids					5
11	02040105200010-01	Lockatong Ck (above Rt 12)	pH					5
11	02040105200010-01	Lockatong Ck (above Rt 12)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			4
11	02040105200010-01	Lockatong Ck (above Rt 12)	E. Coli	Agriculture				5
11	02040105200030-01	Lockatong Ck (below Milltown) incl UDRV	Arsenic					5
11	02040105200030-01	Lockatong Ck (below Milltown) incl UDRV	Temperature					5
11	02040105200020-01	Lockatong Ck (Milltown to Rt 12)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			4
11	02040105200020-01	Lockatong Ck (Milltown to Rt 12)	Temperature					5
11	02040105200020-01	Lockatong Ck (Milltown to Rt 12)	Arsenic					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
11	02040105200020-01	Lockatong Ck (Milltown to Rt 12)	E. Coli	Agriculture				5
11	02040105200020-01	Lockatong Ck (Milltown to Rt 12)	pH					5
02	02020007040060-01	Long House Creek/Upper Greenwood Lake	pH					5
13	02040301080080-01	Long Swamp Creek	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers			5
01	02040105120010-01	Lopatcong Creek (above Rt 57)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
01	02040105120010-01	Lopatcong Creek (above Rt 57)	Phosphorus					5
01	02040105120020-01	Lopatcong Creek (below Rt 57) incl UDRV	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
01	02040105120020-01	Lopatcong Creek (below Rt 57) incl UDRV	Phosphorus					5
13	BarnegatBay09	Lower Little Egg Harbor Bay	Dissolved Oxygen	Urban Runoff/Storm Sewers	Agriculture			5
13	BarnegatBay09	Lower Little Egg Harbor Bay	Turbidity	Urban Runoff/Storm Sewers	Agriculture			5
19	02040202080060-01	LRDV trib-Delanco/Edgewater	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
01	02040105150040-01	Lubbers Run (above/incl Dallis Pond)	Temperature					5
01	02040105150050-01	Lubbers Run (below Dallis Pond)	Arsenic					5
17	02040206070020-01	Mad Horse Ck / Little Ck / Turners Fork	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206070020-01	Mad Horse Ck / Little Ck / Turners Fork	Total Coliform					5
18	02040202120120-01	Main Ditch / Little Mantua Creek	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
06	02030103020060-01	Malapardis Brook	Cause Unknown	Source Unknown				5
13	BarnegatBay08	Manahawkan Bay and Upper Little Egg Harbor	Turbidity	Urban Runoff/Storm Sewers	Agriculture			5
09	02030105140010-01	Manalapan Brook (above 40d 16m 15s)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
09	02030105140030-01	Manalapan Brook (below Lake Manalapan)	Arsenic	Natural Sources	Urban Runoff/Storm Sewers			5
09	02030105140030-01	Manalapan Brook (below Lake Manalapan)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
09	02030105140030-01	Manalapan Brook (below Lake Manalapan)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
09	02030105140030-01	Manalapan Brook (below Lake Manalapan)	Cause Unknown	Source Unknown				5
09	02030105140020-01	Manalapan Brook (incl LkManlpn to 40d16m15s)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			4
09	02030105140020-01	Manalapan Brook (incl LkManlpn to 40d16m15s)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
09	02030105140020-01	Manalapan Brook (incl LkManlpn to 40d16m15s)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
12	02030104100080-01	Manasquan R (74d07m30s to Squankum gage)	Arsenic	Natural Sources				5
12	02030104100080-01	Manasquan R (74d07m30s to Squankum gage)	Temperature	Urban Runoff/Storm Sewers				5
12	02030104100080-01	Manasquan R (74d07m30s to Squankum gage)	E. Coli	Urban Runoff/Storm Sewers				4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
12	02030104100080-01	Manasquan R (74d07m30s to Squankum gage)	Phosphorus	Urban Runoff/Storm Sewers	Agriculture	Golf Course		5
12	02030104100080-01	Manasquan R (74d07m30s to Squankum gage)	Turbidity	Urban Runoff/Storm Sewers	Agriculture	Golf Course		5
12	02030104100010-01	Manasquan R (above 74d17m50s road)	Phosphorus	Urban Runoff/Storm Sewers	Agriculture			4
12	02030104100010-01	Manasquan R (above 74d17m50s road)	Arsenic	Cercla NPL (Superfund) Sites				5
12	02030104100100-01	Manasquan R (below Rt 70 bridge)	Total Coliform	Urban Runoff/Storm Sewers				4
12	02030104100100-01	Manasquan R (below Rt 70 bridge)	Dissolved Oxygen	Urban Runoff/Storm Sewers	Golf Course			5
12	02030104100100-01	Manasquan R (below Rt 70 bridge)	Enterococcus	Urban Runoff/Storm Sewers				4
12	02030104100050-01	Manasquan R (gage to West Farms Rd)	Phosphorus	Urban Runoff/Storm Sewers	Agriculture			4
12	02030104100050-01	Manasquan R (gage to West Farms Rd)	E. Coli	Urban Runoff/Storm Sewers				4
12	02030104100050-01	Manasquan R (gage to West Farms Rd)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
12	02030104100090-01	Manasquan R (Rt 70 br to 74d07m30s)	Total Coliform	Urban Runoff/Storm Sewers				4
12	02030104100090-01	Manasquan R (Rt 70 br to 74d07m30s)	Enterococcus	Urban Runoff/Storm Sewers				4
12	02030104100090-01	Manasquan R (Rt 70 br to 74d07m30s)	E. Coli	Urban Runoff/Storm Sewers				4
12	02030104100020-01	Manasquan R (Rt 9 to 74d17m50s road)	Turbidity	Urban Runoff/Storm Sewers	Agriculture			5
12	02030104100020-01	Manasquan R (Rt 9 to 74d17m50s road)	Arsenic	Cercla NPL (Superfund) Sites				5
12	02030104100020-01	Manasquan R (Rt 9 to 74d17m50s road)	E. Coli	Urban Runoff/Storm Sewers				5
12	02030104100020-01	Manasquan R (Rt 9 to 74d17m50s road)	Phosphorus	Urban Runoff/Storm Sewers	Agriculture			4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
12	02030104100020-01	Manasquan R (Rt 9 to 74d17m50s road)	Total Suspended Solids	Urban Runoff/Storm Sewers	Agriculture			5
12	02030104100030-01	Manasquan R (West Farms Rd to Rt 9)	E. Coli	Urban Runoff/Storm Sewers				4
12	02030104100030-01	Manasquan R (West Farms Rd to Rt 9)	Phosphorus	Urban Runoff/Storm Sewers	Agriculture			4
17	02040206040010-01	Mannington Creek	Phosphorus	Package Plant or Other Permitted Small Flows Discharges	Agriculture			5
17	02040206040010-01	Mannington Creek	E. Coli					5
17	02040206040010-01	Mannington Creek	Arsenic					5
17	02040206040010-01	Mannington Creek	Dissolved Oxygen					5
18	02040202130010-01	Mantua Creek (above Rt 47)	Cause Unknown	Source Unknown				5
18	02040202130060-01	Mantua Creek (below Edwards Run)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202130060-01	Mantua Creek (below Edwards Run)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
18	02040202130040-01	Mantua Creek (Edwards Run to rd to Sewell)	pH	Agriculture	Urban Runoff/Storm Sewers			5
18	02040202130040-01	Mantua Creek (Edwards Run to rd to Sewell)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202130040-01	Mantua Creek (Edwards Run to rd to Sewell)	Phosphorus					5
18	02040202130040-01	Mantua Creek (Edwards Run to rd to Sewell)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
18	02040202130040-01	Mantua Creek (Edwards Run to rd to Sewell)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			5
18	02040202130020-01	Mantua Creek (road to Sewell to Rt 47)	Phosphorus					4
17	02040206190010-01	Manumuskin River (above/incl BigNealBr)	Dissolved Oxygen					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
17	02040206190010-01	Manumuskin River (above/incl BigNealBr)	Arsenic					5
17	02040206190030-01	Manumuskin River (below Rt 49)	Arsenic					5
17	02040206190030-01	Manumuskin River (below Rt 49)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206190030-01	Manumuskin River (below Rt 49)	Total Coliform					4
17	02040206190020-01	Manumuskin River (Rt 49 to Big Neal Br)	Arsenic					5
13	02040301060040-01	Maple Root Branch (Toms River)	E. Coli	Urban Runoff/Storm Sewers				5
12	02030104100040-01	Marsh Bog Brook	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers			5
12	02030104100040-01	Marsh Bog Brook	Arsenic		Agriculture			5
12	02030104100040-01	Marsh Bog Brook	E. Coli	Urban Runoff/Storm Sewers				4
03	02030103100020-01	Masonicus Brook	Cause Unknown	Source Unknown				5
12	02030104060020-01	Matawan Creek (above Ravine Drive)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104060020-01	Matawan Creek (above Ravine Drive)	Copper	Rcra Hazardous Waste Sites				5
12	02030104060020-01	Matawan Creek (above Ravine Drive)	Lead	Rcra Hazardous Waste Sites				5
12	02030104060020-01	Matawan Creek (above Ravine Drive)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
12	02030104060020-01	Matawan Creek (above Ravine Drive)	Arsenic	Rcra Hazardous Waste Sites				5
12	02030104060030-01	Matawan Creek (below Ravine Drive)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104060030-01	Matawan Creek (below Ravine Drive)	E. Coli	Urban Runoff/Storm Sewers				5
12	02030104060030-01	Matawan Creek (below Ravine Drive)	Enterococcus	Urban Runoff/Storm Sewers				5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
12	02030104060030-01	Matawan Creek (below Ravine Drive)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104060030-01	Matawan Creek (below Ravine Drive)	Total Coliform	Urban Runoff/Storm Sewers				5
12	02030104060030-01	Matawan Creek (below Ravine Drive)	pH	Urban Runoff/Storm Sewers	Package Plant or Other Permitted Small Flows Discharges			5
12	02030104060030-01	Matawan Creek (below Ravine Drive)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104060030-01	Matawan Creek (below Ravine Drive)	Arsenic	Cercla NPL (Superfund) Sites				5
12	02030104060030-01	Matawan Creek (below Ravine Drive)	Dissolved Oxygen	Urban Runoff/Storm Sewers	Package Plant or Other Permitted Small Flows Discharges			5
09	02030105150040-01	Matchaponix Brook (above/incl Pine Bk)	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers	Agriculture		5
09	02030105150040-01	Matchaponix Brook (above/incl Pine Bk)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
09	02030105150060-01	Matchaponix Brook (below Pine Brook)	Dissolved Oxygen					5
09	02030105150060-01	Matchaponix Brook (below Pine Brook)	Nitrate	Municipal Point Source Discharges	Agriculture	Urban Runoff/Storm Sewers		5
09	02030105150060-01	Matchaponix Brook (below Pine Brook)	Phosphorus	Municipal Point Source Discharges	Package Plant or Other Permitted Small Flows Discharges	Agriculture	Urban Runoff/Storm Sewers	5
14	02040301200110-01	Mattix Run (Nacote Creek)	Arsenic	Natural Sources				5
14	02040301200110-01	Mattix Run (Nacote Creek)	Total Coliform	Urban Runoff/Storm Sewers				4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
14	02040301200110-01	Mattix Run (Nacote Creek)	Dissolved Oxygen	Urban Runoff/Storm Sewers				5
17	02040206200050-01	Maurice River (below Leesburg) to EastPt	Total Coliform					4
17	02040206200050-01	Maurice River (below Leesburg) to EastPt	Dissolved Oxygen	Industrial Point Source Discharge	Agriculture	Urban Runoff/Storm Sewers		5
17	02040206200050-01	Maurice River (below Leesburg) to EastPt	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206200050-01	Maurice River (below Leesburg) to EastPt	Enterococcus	Urban Runoff/Storm Sewers				4
17	02040206140010-01	Maurice River (BlkwtrBr to/incl WillowGroveLk)	Arsenic	Natural Sources	Urban Runoff/Storm Sewers			5
17	02040206140010-01	Maurice River (BlkwtrBr to/incl WillowGroveLk)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
17	02040206200040-01	Maurice River (Leesburg to Rt 548)	Total Coliform					4
17	02040206200040-01	Maurice River (Leesburg to Rt 548)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206170030-01	Maurice River (Menantico Ck to UnionLake)	Total Coliform					4
17	02040206170030-01	Maurice River (Menantico Ck to UnionLake)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206170030-01	Maurice River (Menantico Ck to UnionLake)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
17	02040206170030-01	Maurice River (Menantico Ck to UnionLake)	E. Coli					4
17	02040206170030-01	Maurice River (Menantico Ck to UnionLake)	Arsenic					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
17	02040206200030-01	Maurice River (Rt 548 to Menantico Ck)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206200030-01	Maurice River (Rt 548 to Menantico Ck)	Total Coliform					4
17	02040206140060-01	Maurice River (Sherman Ave to Blackwater Br)	Arsenic	Industrial Point Source Discharge	Agriculture	Urban Runoff/Storm Sewers		5
17	02040206140060-01	Maurice River (Sherman Ave to Blackwater Br)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
17	02040206160030-01	Maurice River (Union Lake to Sherman Ave)	E. Coli					4
17	02040206160030-01	Maurice River (Union Lake to Sherman Ave)	Cause Unknown	Source Unknown				5
17	02040206160030-01	Maurice River (Union Lake to Sherman Ave)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
17	02040206160030-01	Maurice River (Union Lake to Sherman Ave)	Arsenic					5
19	02040202030070-01	McDonalds Branch	Arsenic					5
09	02030105150020-01	McGellairds Brook (above Taylors Mills)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			4
09	02030105150030-01	McGellairds Brook (below Taylors Mills)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
09	02030105150030-01	McGellairds Brook (below Taylors Mills)	Phosphorus					5
03	02030103070060-01	Meadow Brook / High Mountain Brook	Temperature					5
17	02040206180030-01	Menantico Creek (above Rt 552)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206180030-01	Menantico Creek (above Rt 552)	Dioxin					5
17	02040206180030-01	Menantico Creek (above Rt 552)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
17	02040206180030-01	Menantico Creek (above Rt 552)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206180050-01	Menantico Creek (below Rt 552)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206180050-01	Menantico Creek (below Rt 552)	E. Coli	Urban Runoff/Storm Sewers				4
17	02040206180050-01	Menantico Creek (below Rt 552)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
17	02040206180050-01	Menantico Creek (below Rt 552)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206180050-01	Menantico Creek (below Rt 552)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			5
17	02040206180050-01	Menantico Creek (below Rt 552)	Total Coliform					4
17	02040206180050-01	Menantico Creek (below Rt 552)	Arsenic					5
11	02040105210080-01	Mercer (Calhoun St to Jacobs Creek)	Cause Unknown	Source Unknown				5
01	02040105140040-01	Merrill Creek	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
01	02040105140040-01	Merrill Creek	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
01	02040105140040-01	Merrill Creek	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
01	02040105140040-01	Merrill Creek	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
01	02040105140040-01	Merrill Creek	Cause Unknown	Source Unknown				5
13	BarnegatBay03	Metedeconk and Lower Tribs - Bay	Turbidity	Urban Runoff/Storm Sewers				5
13	BarnegatBay03	Metedeconk and Lower Tribs - Bay	Total Coliform	Urban Runoff/Storm Sewers				4
13	02040301040020-01	Metedeconk R (Beaverdam Ck to confl)	Arsenic	Natural Sources				5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
13	02040301040020-01	Metedeconk R (Beaverdam Ck to confl)	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers			5
13	02040301040020-01	Metedeconk R (Beaverdam Ck to confl)	E. Coli	Urban Runoff/Storm Sewers				4
13	02040301040020-01	Metedeconk R (Beaverdam Ck to confl)	Lead	Urban Runoff/Storm Sewers				5
13	BarnegatBay02	Metedeconk R Estuary	Enterococcus	Urban Runoff/Storm Sewers				4
13	BarnegatBay02	Metedeconk R Estuary	Total Coliform	Urban Runoff/Storm Sewers				4
13	02040301020010-01	Metedeconk R NB (above I-195)	Lead	Industrial Point Source Discharge				5
13	02040301020010-01	Metedeconk R NB (above I-195)	Arsenic	Industrial Point Source Discharge				5
13	02040301020010-01	Metedeconk R NB (above I-195)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
13	02040301020010-01	Metedeconk R NB (above I-195)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
13	02040301020010-01	Metedeconk R NB (above I-195)	Dissolved Oxygen	Urban Runoff/Storm Sewers	Agriculture			5
13	02040301020010-01	Metedeconk R NB (above I-195)	E. Coli	Urban Runoff/Storm Sewers				4
13	02040301020010-01	Metedeconk R NB (above I-195)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Contaminated Sediments			5
13	02040301020010-01	Metedeconk R NB (above I-195)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
13	02040301020010-01	Metedeconk R NB (above I-195)	Phosphorus	Urban Runoff/Storm Sewers	Agriculture			4
13	02040301020010-01	Metedeconk R NB (above I-195)	Turbidity	Urban Runoff/Storm Sewers	Agriculture			5
13	02040301020050-01	Metedeconk R NB (confluence to Rt 9)	Lead	Urban Runoff/Storm Sewers				5
13	02040301020050-01	Metedeconk R NB (confluence to Rt 9)	E. Coli	Urban Runoff/Storm Sewers				4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
13	02040301020050-01	Metedeconk R NB (confluence to Rt 9)	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers			5
13	02040301020050-01	Metedeconk R NB (confluence to Rt 9)	Arsenic	Urban Runoff/Storm Sewers				5
13	02040301020020-01	Metedeconk R NB (Rt 9 to I-195)	E. Coli	Urban Runoff/Storm Sewers				4
13	02040301020020-01	Metedeconk R NB (Rt 9 to I-195)	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers			5
13	02040301030020-01	Metedeconk R SB (74d19m15s to I-195 X21)	Arsenic	Natural Sources				5
13	02040301030020-01	Metedeconk R SB (74d19m15s to I-195 X21)	Turbidity	Urban Runoff/Storm Sewers	Golf Course	Agriculture		5
13	02040301030020-01	Metedeconk R SB (74d19m15s to I-195 X21)	Dissolved Oxygen	Urban Runoff/Storm Sewers	Golf Course	Agriculture		5
13	02040301030010-01	Metedeconk R SB (above I-195 exit 21 rd)	Lead	Source Unknown				5
13	02040301030010-01	Metedeconk R SB (above I-195 exit 21 rd)	Arsenic	Agriculture	Urban Runoff/Storm Sewers			5
13	02040301030030-01	Metedeconk R SB (BennettsPd to 74d19m15s)	Arsenic	Urban Runoff/Storm Sewers	Agriculture			5
13	02040301030030-01	Metedeconk R SB (BennettsPd to 74d19m15s)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
13	02040301030030-01	Metedeconk R SB (BennettsPd to 74d19m15s)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Urban Runoff/Storm Sewers			5
13	02040301030030-01	Metedeconk R SB (BennettsPd to 74d19m15s)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
13	02040301030030-01	Metedeconk R SB (BennettsPd to 74d19m15s)	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers			5
13	02040301030050-01	Metedeconk R SB (confluence to Rt 9)	Arsenic	Natural Sources				5
13	02040301030050-01	Metedeconk R SB (confluence to Rt 9)	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers			5
13	02040301030050-01	Metedeconk R SB (confluence to Rt 9)	E. Coli	Urban Runoff/Storm Sewers				4
13	02040301030050-01	Metedeconk R SB (confluence to Rt 9)	Lead	Industrial Point Source Discharge	Urban Runoff/Storm Sewers			5
13	02040301030040-01	Metedeconk R SB (Rt 9 to Bennetts Pond)	Arsenic	Natural Sources				5
13	02040301030040-01	Metedeconk R SB (Rt 9 to Bennetts Pond)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
13	02040301030040-01	Metedeconk R SB (Rt 9 to Bennetts Pond)	E. Coli	Urban Runoff/Storm Sewers				4
13	02040301080020-01	Michaels Branch (Wrangel Brook)	pH	Urban Runoff/Storm Sewers				5
17	02040206200010-01	Middle Branch / Slab Branch	Arsenic					5
17	02040206200010-01	Middle Branch / Slab Branch	Mercury in Water Column	Atmospheric Depositon - Toxics				5
09	02030105120180-01	Middle Brook	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
09	02030105120180-01	Middle Brook	Cause Unknown	Source Unknown	Agriculture			5
09	02030105120180-01	Middle Brook	Arsenic					5
08	02030105060080-01	Middle Brook (NB Raritan River)	E. Coli	Agriculture				5
08	02030105060080-01	Middle Brook (NB Raritan River)	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers			5
09	02030105120050-01	Middle Brook EB	Phosphorus					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
09	02030105120050-01	Middle Brook EB	Arsenic					5
09	02030105120050-01	Middle Brook EB	Dissolved Oxygen					5
09	02030105120050-01	Middle Brook EB	Temperature					5
09	02030105120050-01	Middle Brook EB	Total Dissolved Solids					5
09	02030105120060-01	Middle Brook WB	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
09	02030105120060-01	Middle Brook WB	Cause Unknown	Source Unknown				5
17	02040206100010-01	Middle Marsh Ck (DrumboCk to Sea Breeze)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206100010-01	Middle Marsh Ck (DrumboCk to Sea Breeze)	Total Coliform					4
15	02040302050120-01	Middle River / Peters Creek	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
15	02040302050120-01	Middle River / Peters Creek	Total Coliform	Source Unknown				4
15	02040302050120-01	Middle River / Peters Creek	Dissolved Oxygen	Source Unknown	Natural Sources			5
09	02030105120150-01	Mile Run	E. Coli					5
09	02030105120150-01	Mile Run	Cause Unknown	Source Unknown				5
15	02040302060010-01	Mill Br (above Cardiff-Bargaintown rd)	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers			5
13	02040301140020-01	Mill Branch (below GS Parkway)	E. Coli	Urban Runoff/Storm Sewers				5
13	02040301140020-01	Mill Branch (below GS Parkway)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
13	02040301140020-01	Mill Branch (below GS Parkway)	Dissolved Oxygen	Urban Runoff/Storm Sewers	Golf Course			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
13	02040301140020-01	Mill Branch (below GS Parkway)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
06	02030103030080-01	Mill Brook (Morris Co)	E. Coli	Urban Runoff/Storm Sewers				4
09	02030105160080-01	Mill Brook / Martins Creek	Cause Unknown	Source Unknown				5
09	02030105160080-01	Mill Brook / Martins Creek	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
13	02040301130020-01	Mill Ck (above GS Parkway)	pH	Urban Runoff/Storm Sewers				5
13	02040301130030-01	Mill Ck (below GS Parkway)/Manahawkin Ck	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers			5
13	02040301130030-01	Mill Ck (below GS Parkway)/Manahawkin Ck	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
13	02040301130030-01	Mill Ck (below GS Parkway)/Manahawkin Ck	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
13	02040301130030-01	Mill Ck (below GS Parkway)/Manahawkin Ck	E. Coli	Urban Runoff/Storm Sewers				5
13	02040301130030-01	Mill Ck (below GS Parkway)/Manahawkin Ck	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206090050-01	Mill Creek (below Maple House Bk)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206090050-01	Mill Creek (below Maple House Bk)	Total Coliform					4
17	02040206110040-01	Mill Creek (Dividing Creek)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206110040-01	Mill Creek (Dividing Creek)	Total Coliform					5
17	02040206160040-01	Mill Creek (lower)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
19	02040202080030-01	Mill Creek (Willingboro)	Phosphorus					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
19	02040202080030-01	Mill Creek (Willingboro)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
19	02040202080030-01	Mill Creek (Willingboro)	E. Coli					5
19	02040202080030-01	Mill Creek (Willingboro)	Arsenic	Agriculture				5
15	02040302070060-01	Mill Creek / Back Run (Tuckahoe River)	Total Coliform	Urban Runoff/Storm Sewers				4
15	02040302070060-01	Mill Creek / Back Run (Tuckahoe River)	Cause Unknown	Source Unknown				5
16	02040302080080-01	Mill Creek / Jones Creek / Taylor Creek	Total Coliform	Urban Runoff/Storm Sewers				4
16	02040302080030-01	Mill Creek / Sunks Ck / Big Elder Creek	Total Coliform	Urban Runoff/Storm Sewers				4
10	02030105100010-01	Millstone R (above Rt 33)	Arsenic	Agriculture	Urban Runoff/Storm Sewers			5
10	02030105100010-01	Millstone R (above Rt 33)	Total Suspended Solids	Natural Sources	Agriculture	Urban Runoff/Storm Sewers		5
10	02030105100010-01	Millstone R (above Rt 33)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			5
10	02030105100010-01	Millstone R (above Rt 33)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
10	02030105110140-01	Millstone R (AmwellRd to BlackwellsMills)	Arsenic	Agriculture	Urban Runoff/Storm Sewers			5
10	02030105110140-01	Millstone R (AmwellRd to BlackwellsMills)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
10	02030105110140-01	Millstone R (AmwellRd to BlackwellsMills)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			5
10	02030105100020-01	Millstone R (Applegarth road to Rt 33)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
10	02030105100020-01	Millstone R (Applegarth road to Rt 33)	Total Suspended Solids	Natural Sources	Agriculture	Urban Runoff/Storm Sewers		5
10	02030105100020-01	Millstone R (Applegarth road to Rt 33)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
10	02030105100020-01	Millstone R (Applegarth road to Rt 33)	Arsenic	Agriculture	Urban Runoff/Storm Sewers			5
10	02030105110030-01	Millstone R (Beden Bk to Heathcote Bk)	Phosphorus	Agriculture	Municipal Point Source Discharges	Package Plant or Other Permitted Small Flows Discharges	Urban Runoff/Storm Sewers	5
10	02030105110030-01	Millstone R (Beden Bk to Heathcote Bk)	Dissolved Oxygen	Agriculture	Municipal Point Source Discharges	Package Plant or Other Permitted Small Flows Discharges	Urban Runoff/Storm Sewers	5
10	02030105110030-01	Millstone R (Beden Bk to Heathcote Bk)	Arsenic	Industrial Point Source Discharge	Municipal Point Source Discharges	Agriculture	Urban Runoff/Storm Sewers	5
10	02030105110030-01	Millstone R (Beden Bk to Heathcote Bk)	pH	Municipal Point Source Discharges	Package Plant or Other Permitted Small Flows Discharges	Agriculture	Urban Runoff/Storm Sewers	5
10	02030105110030-01	Millstone R (Beden Bk to Heathcote Bk)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			5
10	02030105110030-01	Millstone R (Beden Bk to Heathcote Bk)	Temperature	Municipal Point Source Discharges	Upstream Impoundments (e.g., Pl-566 NRCS Structures)	Urban Runoff/Storm Sewers	Agriculture	5
10	02030105110170-01	Millstone R (below Amwell Rd)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
10	02030105110170-01	Millstone R (below Amwell Rd)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
10	02030105110170-01	Millstone R (below Amwell Rd)	pH	Transfer of Water from an Outside Watershed	Agriculture	Urban Runoff/Storm Sewers		5
10	02030105110170-01	Millstone R (below Amwell Rd)	Phosphorus	Transfer of Water from an Outside Watershed	Agriculture	Urban Runoff/Storm Sewers		5
10	02030105110110-01	Millstone R (BlackwellsMills to BedenBk)	Arsenic	Urban Runoff/Storm Sewers				5
10	02030105110110-01	Millstone R (BlackwellsMills to BedenBk)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
10	02030105110110-01	Millstone R (BlackwellsMills to BedenBk)	Phosphorus	Industrial Point Source Discharge	Package Plant or Other Permitted Small Flows Discharges	Agriculture	Urban Runoff/Storm Sewers	5
10	02030105100060-01	Millstone R (Cranbury Bk to Rocky Bk)	Arsenic	Industrial Point Source Discharge	Municipal Point Source Discharges	Agriculture	Urban Runoff/Storm Sewers	5
10	02030105100060-01	Millstone R (Cranbury Bk to Rocky Bk)	Phosphorus	Industrial Point Source Discharge	Municipal Point Source Discharges	Agriculture	Urban Runoff/Storm Sewers	5
10	02030105100060-01	Millstone R (Cranbury Bk to Rocky Bk)	Total Suspended Solids					5
10	02030105110020-01	Millstone R (HeathcoteBk to Harrison St)	pH					5
10	02030105110020-01	Millstone R (HeathcoteBk to Harrison St)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
10	02030105110020-01	Millstone R (HeathcoteBk to Harrison St)	Phosphorus					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
10	02030105110020-01	Millstone R (HeathcoteBk to Harrison St)	E. Coli					5
10	02030105110020-01	Millstone R (HeathcoteBk to Harrison St)	Temperature					5
10	02030105100030-01	Millstone R (RockyBk to Applegarth road)	Dissolved Oxygen					5
10	02030105100030-01	Millstone R (RockyBk to Applegarth road)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
10	02030105100030-01	Millstone R (RockyBk to Applegarth road)	Phosphorus	Industrial Point Source Discharge	Municipal Point Source Discharges	Agriculture	Urban Runoff/Storm Sewers	5
10	02030105100140-01	Millstone R (Rt 1 to Cranbury Bk)	Arsenic	Industrial Point Source Discharge	Urban Runoff/Storm Sewers			5
10	02030105100140-01	Millstone R (Rt 1 to Cranbury Bk)	Dissolved Oxygen					5
10	02030105100140-01	Millstone R (Rt 1 to Cranbury Bk)	Phosphorus					5
12	02030104070050-01	Mine Brook (Monmouth Co)	E. Coli	Urban Runoff/Storm Sewers				4
12	02030104070050-01	Mine Brook (Monmouth Co)	Arsenic	Urban Runoff/Storm Sewers				5
12	02030104070050-01	Mine Brook (Monmouth Co)	Phosphorus	Urban Runoff/Storm Sewers				5
12	02030104100060-01	Mingamahone Brook (above Asbury Rd)	E. Coli	Urban Runoff/Storm Sewers				4
12	02030104100060-01	Mingamahone Brook (above Asbury Rd)	Total Suspended Solids	Urban Runoff/Storm Sewers	Golf Course			5
12	02030104100060-01	Mingamahone Brook (above Asbury Rd)	Turbidity	Urban Runoff/Storm Sewers	Golf Course			5
12	02030104100070-01	Mingamahone Brook (below Asbury Rd)	Turbidity	Urban Runoff/Storm Sewers	Golf Course			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
12	02030104100070-01	Mingamahone Brook (below Asbury Rd)	E. Coli	Urban Runoff/Storm Sewers				5
12	02030104100070-01	Mingamahone Brook (below Asbury Rd)	Phosphorus	Urban Runoff/Storm Sewers	Golf Course			5
11	02040105240030-01	Miry Run (Assunpink Cr)	Arsenic					5
11	02040105240030-01	Miry Run (Assunpink Cr)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
11	02040105240030-01	Miry Run (Assunpink Cr)	Phosphorus	Industrial Point Source Discharge	Agriculture	Urban Runoff/Storm Sewers		4
04	02030103120040-01	Molly Ann Brook	Total Dissolved Solids	Industrial Point Source Discharge	Urban Runoff/Storm Sewers			5
04	02030103120040-01	Molly Ann Brook	Arsenic					5
04	02030103120040-01	Molly Ann Brook	Cause Unknown	Source Unknown				5
16	02040302080060-01	Mommy Teal Ck / Cresse Ck / Gravelly Run	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers			5
16	02040302080060-01	Mommy Teal Ck / Cresse Ck / Gravelly Run	Total Coliform	Urban Runoff/Storm Sewers				4
06	02030103030160-01	Montville Tribs	Cause Unknown	Source Unknown				5
11	02040105210040-01	Moore Creek	Temperature					5
07	02030104030010-01	Morses Creek / Piles Creek	Benzo(a)Pyrene	Source Unknown				5
07	02030104030010-01	Morses Creek / Piles Creek	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
07	02030104030010-01	Morses Creek / Piles Creek	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
07	02030104030010-01	Morses Creek / Piles Creek	Hexachlorobenzene	Source Unknown				5
07	02030104030010-01	Morses Creek / Piles Creek	Dioxin	Atmospheric Depositon - Toxics	Urban Runoff/Storm Sewers			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
07	02030104030010-01	Morses Creek / Piles Creek	Heptachlor epoxide	Contaminated Sediments	Source Unknown			5
07	02030104030010-01	Morses Creek / Piles Creek	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
07	02030104030010-01	Morses Creek / Piles Creek	Phosphorus	Industrial Point Source Discharge	Urban Runoff/Storm Sewers			5
07	02030104030010-01	Morses Creek / Piles Creek	Dieldrin	Contaminated Sediments	Source Unknown			5
07	02030104030010-01	Morses Creek / Piles Creek	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Industrial Point Source Discharge			5
07	02030104030010-01	Morses Creek / Piles Creek	Arsenic					5
14	02040301200100-01	Morses Mill Stream	pH	Urban Runoff/Storm Sewers	Agriculture			5
18	02040202140040-01	Moss Branch / Little Timber Ck (Repaupo)	Cause Unknown	Source Unknown				5
18	02040202140040-01	Moss Branch / Little Timber Ck (Repaupo)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Urban Runoff/Storm Sewers	Agriculture		5
18	02040202140040-01	Moss Branch / Little Timber Ck (Repaupo)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
14	02040301210020-01	Mott Creek (Oysterbed Pt to Oyster Ck)	Total Coliform	Urban Runoff/Storm Sewers				4
01	02040105090040-01	Mountain Lake Brook	Temperature					5
01	02040105090040-01	Mountain Lake Brook	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
13	02040301020040-01	Muddy Ford Brook	E. Coli	Urban Runoff/Storm Sewers				4
17	02040206150010-01	Muddy Run (above/incl Elmer Lake)	Cause Unknown	Source Unknown				5
17	02040206150050-01	Muddy Run (incl ParvinLk to Palatine Lk)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
17	02040206150050-01	Muddy Run (incl ParvinLk to Palatine Lk)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
17	02040206150050-01	Muddy Run (incl ParvinLk to Palatine Lk)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
08	02030105020030-01	Mulhockaway Creek	Temperature					5
08	02030105020030-01	Mulhockaway Creek	Dissolved Oxygen					5
08	02030105020030-01	Mulhockaway Creek	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
14	02040301170140-01	Mullica River (BatstoR to Nescochague Lake)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
14	02040301170140-01	Mullica River (BatstoR to Nescochague Lake)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Agriculture	Urban Runoff/Storm Sewers		5
14	02040301170140-01	Mullica River (BatstoR to Nescochague Lake)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
14	02040301170140-01	Mullica River (BatstoR to Nescochague Lake)	Total Coliform	Agriculture				4
14	02040301160140-01	Mullica River (39d40m30s to Rt 206)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
14	02040301160140-01	Mullica River (39d40m30s to Rt 206)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
14	02040301160140-01	Mullica River (39d40m30s to Rt 206)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
14	02040301160140-01	Mullica River (39d40m30s to Rt 206)	Arsenic	Agriculture	Urban Runoff/Storm Sewers			5
14	02040301160140-01	Mullica River (39d40m30s to Rt 206)	pH	Agriculture	Urban Runoff/Storm Sewers			5
14	02040301160020-01	Mullica River (above Jackson Road)	pH	Urban Runoff/Storm Sewers	Agriculture			5
14	02040301160020-01	Mullica River (above Jackson Road)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
14	02040301160020-01	Mullica River (above Jackson Road)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Urban Runoff/Storm Sewers			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
14	02040301160020-01	Mullica River (above Jackson Road)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
14	02040301170040-01	Mullica River (BatstoR to PleasantMills)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
14	02040301170040-01	Mullica River (BatstoR to PleasantMills)	Total Coliform	Urban Runoff/Storm Sewers	Agriculture			4
14	02040301170040-01	Mullica River (BatstoR to PleasantMills)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Agriculture	Urban Runoff/Storm Sewers		5
14	02040301170040-01	Mullica River (BatstoR to PleasantMills)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
14	02040301210010-01	Mullica River (below GSP bridge)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Urban Runoff/Storm Sewers			5
14	02040301210010-01	Mullica River (below GSP bridge)	Total Coliform	Urban Runoff/Storm Sewers				4
14	02040301210010-01	Mullica River (below GSP bridge)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
14	02040301200080-01	Mullica River (GSP bridge to Turtle Ck)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Agriculture	Urban Runoff/Storm Sewers		5
14	02040301200080-01	Mullica River (GSP bridge to Turtle Ck)	Total Coliform	Urban Runoff/Storm Sewers				4
14	02040301200080-01	Mullica River (GSP bridge to Turtle Ck)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
14	02040301170080-01	Mullica River (Lower Bank Rd to Rt 563)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
14	02040301170080-01	Mullica River (Lower Bank Rd to Rt 563)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Agriculture	Urban Runoff/Storm Sewers		5
14	02040301170080-01	Mullica River (Lower Bank Rd to Rt 563)	Total Coliform	Urban Runoff/Storm Sewers				4
14	02040301160150-01	Mullica River (Pleasant Mills to 39d40m30s)	pH	Agriculture	Urban Runoff/Storm Sewers			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
14	02040301160150-01	Mullica River (Pleasant Mills to 39d40m30s)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
14	02040301160150-01	Mullica River (Pleasant Mills to 39d40m30s)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
14	02040301160150-01	Mullica River (Pleasant Mills to 39d40m30s)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
14	02040301160030-01	Mullica River (Rt 206 to Jackson Road)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
14	02040301160030-01	Mullica River (Rt 206 to Jackson Road)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
14	02040301160030-01	Mullica River (Rt 206 to Jackson Road)	pH	Urban Runoff/Storm Sewers	Agriculture			5
14	02040301160030-01	Mullica River (Rt 206 to Jackson Road)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
14	02040301170060-01	Mullica River (Rt 563 to Batsto River)	Arsenic	Natural Sources				5
14	02040301170060-01	Mullica River (Rt 563 to Batsto River)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
14	02040301170060-01	Mullica River (Rt 563 to Batsto River)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Urban Runoff/Storm Sewers	Agriculture		5
14	02040301170060-01	Mullica River (Rt 563 to Batsto River)	Total Coliform	Urban Runoff/Storm Sewers				4
14	02040301170130-01	Mullica River (Turtle Ck to Lower BankRd)	Total Coliform	Urban Runoff/Storm Sewers				4
14	02040301170130-01	Mullica River (Turtle Ck to Lower BankRd)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Agriculture	Urban Runoff/Storm Sewers		5
14	02040301170130-01	Mullica River (Turtle Ck to Lower BankRd)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
01	02040105160040-01	Musconetcong R (75d 00m to Rt 31)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
01	02040105160070-01	Musconetcong R (below Warren Glen)	Arsenic					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
01	02040105160070-01	Musconetcong R (below Warren Glen)	Dissolved Oxygen					5
01	02040105160070-01	Musconetcong R (below Warren Glen)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
01	02040105160020-01	Musconetcong R (Changewater to HancesBk)	Arsenic	Industrial Point Source Discharge	Agriculture	Urban Runoff/Storm Sewers		5
01	02040105160020-01	Musconetcong R (Changewater to HancesBk)	pH					5
01	02040105160020-01	Musconetcong R (Changewater to HancesBk)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
01	02040105160010-01	Musconetcong R (Hances Bk thru Trout Bk)	Temperature					5
01	02040105160010-01	Musconetcong R (Hances Bk thru Trout Bk)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
01	02040105160010-01	Musconetcong R (Hances Bk thru Trout Bk)	Arsenic	Industrial Point Source Discharge	Municipal Point Source Discharges	Urban Runoff/Storm Sewers		5
01	02040105160050-01	Musconetcong R (I-78 to 75d 00m)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
01	02040105150080-01	Musconetcong R (SaxtonFalls to Waterloo)	E. Coli	Urban Runoff/Storm Sewers				4
01	02040105150080-01	Musconetcong R (SaxtonFalls to Waterloo)	Arsenic	Industrial Point Source Discharge	Urban Runoff/Storm Sewers			5
01	02040105150100-01	Musconetcong R (Trout Bk to SaxtonFalls)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
01	02040105150100-01	Musconetcong R (Trout Bk to SaxtonFalls)	Arsenic	Natural Sources	Urban Runoff/Storm Sewers			5
01	02040105150100-01	Musconetcong R (Trout Bk to SaxtonFalls)	pH					5
01	02040105160060-01	Musconetcong R (Warren Glen to I-78)	Arsenic					5
01	02040105160060-01	Musconetcong R (Warren Glen to I-78)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
01	02040105150110-01	Musconetcong R (Waterloo area)	E. Coli					4
01	02040105150070-01	Musconetcong R (Waterloo to/incl WillsBk)	E. Coli					4
01	02040105150070-01	Musconetcong R (Waterloo to/incl WillsBk)	Cause Unknown	Source Unknown				5
01	02040105150030-01	Musconetcong R (Wills Bk to LkHopatcong)	E. Coli	Urban Runoff/Storm Sewers				4
01	02040105150030-01	Musconetcong R (Wills Bk to LkHopatcong)	Phosphorus					4
01	02040105150030-01	Musconetcong R (Wills Bk to LkHopatcong)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
01	02040105150030-01	Musconetcong R (Wills Bk to LkHopatcong)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
01	02040105150030-01	Musconetcong R (Wills Bk to LkHopatcong)	pH	Municipal Point Source Discharges	Upstream Impoundments (e.g., Pl-566 NRCS Structures)	Urban Runoff/Storm Sewers	Agriculture	5
01	02040105150030-01	Musconetcong R (Wills Bk to LkHopatcong)	Temperature					5
17	02040206200020-01	Muskee Creek	Arsenic					5
17	02040206200020-01	Muskee Creek	Total Coliform					4
17	02040206200020-01	Muskee Creek	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
17	02040206200020-01	Muskee Creek	Mercury in Water Column	Atmospheric Depositon - Toxics	Industrial Point Source Discharge			5
14	02040301200120-01	Nacote Creek (below/incl Mill Pond)	Total Coliform	Urban Runoff/Storm Sewers				4
17	02040206100060-01	Nantuxent Creek (above Newport Landing)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206100060-01	Nantuxent Creek (above Newport Landing)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
17	02040206100060-01	Nantuxent Creek (above Newport Landing)	Total Coliform					4
17	02040206100070-01	Nantuxent Creek (below Newport Landing)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206100070-01	Nantuxent Creek (below Newport Landing)	Total Coliform					4
12	02030104070110-01	Navesink R (below Rt 35)/LowerShrewsbury	Total Coliform	Urban Runoff/Storm Sewers				4
12	02030104070110-01	Navesink R (below Rt 35)/LowerShrewsbury	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104070110-01	Navesink R (below Rt 35)/LowerShrewsbury	Enterococcus	Urban Runoff/Storm Sewers				4
12	02030104070110-01	Navesink R (below Rt 35)/LowerShrewsbury	E. Coli	Urban Runoff/Storm Sewers				4
12	02030104070110-01	Navesink R (below Rt 35)/LowerShrewsbury	Dissolved Oxygen	Urban Runoff/Storm Sewers	Agriculture			5
12	02030104070110-01	Navesink R (below Rt 35)/LowerShrewsbury	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104070120-01	Navesink R mouth	Total Coliform	Urban Runoff/Storm Sewers				4
12	02030104070120-01	Navesink R mouth	Dissolved Oxygen	Urban Runoff/Storm Sewers	Agriculture			5
12	02030104070120-01	Navesink R mouth	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104070120-01	Navesink R mouth	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Agriculture			5
12	02030104070120-01	Navesink R mouth	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
08	02030105030070-01	Neshanic River (below Black Brk)	Dissolved Oxygen					5
08	02030105030070-01	Neshanic River (below Black Brk)	pH					5
08	02030105030070-01	Neshanic River (below Black Brk)	Phosphorus					5
08	02030105030070-01	Neshanic River (below Black Brk)	E. Coli					5
08	02030105030070-01	Neshanic River (below Black Brk)	Arsenic					5
08	02030105030060-01	Neshanic River (below FNR / SNR confl)	Dissolved Oxygen					5
08	02030105030060-01	Neshanic River (below FNR / SNR confl)	Arsenic					5
08	02030105030060-01	Neshanic River (below FNR / SNR confl)	Phosphorus					5
08	02030105030060-01	Neshanic River (below FNR / SNR confl)	pH					5
08	02030105030060-01	Neshanic River (below FNR / SNR confl)	E. Coli					4
17	02040206110070-01	New England Creek (Kenny Pt to Elder Pt)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
11	02040105230030-01	New Sharon Branch (Assunpink Creek)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			5
11	02040105230030-01	New Sharon Branch (Assunpink Creek)	E. Coli					5
11	02040105230030-01	New Sharon Branch (Assunpink Creek)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
01	02040105070020-01	New Wawayanda Lake/Andover Pond trib	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
01	02040105070020-01	New Wawayanda Lake/Andover Pond trib	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
01	02040105070020-01	New Wawayanda Lake/Andover Pond trib	Cause Unknown	Source Unknown				5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
01	02040105070020-01	New Wawayanda Lake/Andover Pond trib	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
07	02030104010010-01	Newark Airport Peripheral Ditch	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
07	02030104010010-01	Newark Airport Peripheral Ditch	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
07	02030104010010-01	Newark Airport Peripheral Ditch	Dieldrin	Contaminated Sediments	Source Unknown			5
07	02030104010010-01	Newark Airport Peripheral Ditch	Dioxin	Atmospheric Depositon - Toxics	Combined Sewer Overflows	Municipal Point Source Discharges	Urban Runoff/Storm Sewers	5
07	02030104010010-01	Newark Airport Peripheral Ditch	Heptachlor epoxide	Contaminated Sediments	Source Unknown			5
07	02030104010010-01	Newark Airport Peripheral Ditch	Hexachloroben zene	Source Unknown				5
07	02030104010010-01	Newark Airport Peripheral Ditch	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
07	02030104010010-01	Newark Airport Peripheral Ditch	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
07	02030104010010-01	Newark Airport Peripheral Ditch	Phosphorus	Combined Sewer Overflows	Industrial Point Source Discharge	Urban Runoff/Storm Sewers		5
07	02030104010010-01	Newark Airport Peripheral Ditch	Benzo(a)Pyrene	Source Unknown				5
17	02040206110010-01	Newport Neck (Nantuxent to Beadons Ck)	Total Coliform					4
17	02040206110010-01	Newport Neck (Nantuxent to Beadons Ck)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202120090-01	Newton Creek (LDRV-Kaighn Ave to LT Ck)	E. Coli	Combined Sewer Overflows	Urban Runoff/Storm Sewers			5
18	02040202120090-01	Newton Creek (LDRV-Kaighn Ave to LT Ck)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
18	02040202120090-01	Newton Creek (LDRV-Kaighn Ave to LT Ck)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202120090-01	Newton Creek (LDRV-Kaighn Ave to LT Ck)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202120090-01	Newton Creek (LDRV-Kaighn Ave to LT Ck)	Arsenic	Industrial Point Source Discharge				5
18	02040202120090-01	Newton Creek (LDRV-Kaighn Ave to LT Ck)	Phosphorus					5
20	02040201040060-01	North Run (above Wrightstown bypass)	Arsenic					5
20	02040201040060-01	North Run (above Wrightstown bypass)	Phosphorus	Agriculture				5
12	02030104070090-01	Nut Swamp Brook	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
12	02030104070090-01	Nut Swamp Brook	E. Coli	Urban Runoff/Storm Sewers				5
12	02030104070090-01	Nut Swamp Brook	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers			5
09	02030105130030-01	Oakeys Brook	Cause Unknown	Source Unknown				5
13	02040301070060-01	Old Hurricane Brook (above 74d22m30s)	E. Coli	Urban Runoff/Storm Sewers				5
13	02040301070060-01	Old Hurricane Brook (above 74d22m30s)	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers			5
18	02040202160010-01	Oldmans Creek (above Commissioners Rd)	Arsenic					5
18	02040202160010-01	Oldmans Creek (above Commissioners Rd)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
18	02040202160060-01	Oldmans Creek (below Center Sq Rd)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202160050-01	Oldmans Creek (Center Sq Rd to KingsHwy)	Total Suspended Solids	Agriculture	Urban Runoff/Storm Sewers			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
18	02040202160050-01	Oldmans Creek (Center Sq Rd to KingsHwy)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			4
18	02040202160050-01	Oldmans Creek (Center Sq Rd to KingsHwy)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202160050-01	Oldmans Creek (Center Sq Rd to KingsHwy)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
18	02040202160030-01	Oldmans Creek (Kings Hwy to Rt 45)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
18	02040202160030-01	Oldmans Creek (Kings Hwy to Rt 45)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			4
19	02040202020020-01	Ong Run / Jacks Run	pH	Agriculture	Urban Runoff/Storm Sewers			5
19	02040202020020-01	Ong Run / Jacks Run	E. Coli	Urban Runoff/Storm Sewers				4
17	02040206110030-01	Oranoaken Creek	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206110030-01	Oranoaken Creek	Dissolved Oxygen					5
17	02040206110030-01	Oranoaken Creek	Total Coliform					4
14	02040301180020-01	Oswego River (above Rt 539)	Dissolved Oxygen	Unspecified Land Disturbance				5
14	02040301180020-01	Oswego River (above Rt 539)	Total Suspended Solids	Unspecified Land Disturbance				5
14	02040301180020-01	Oswego River (above Rt 539)	Arsenic	Unspecified Land Disturbance				5
14	02040301180060-01	Oswego River (Andrews Rd to Sim Place Resv)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
14	02040301180060-01	Oswego River (Andrews Rd to Sim Place Resv)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
14	02040301180070-01	Oswego River (below Andrews Road)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
14	02040301180040-01	Oswego River (Sim Place Resv to Rt 539)	Dissolved Oxygen	Unspecified Land Disturbance				5
14	02040301180040-01	Oswego River (Sim Place Resv to Rt 539)	Total Suspended Solids	Unspecified Land Disturbance				5
14	02040301180040-01	Oswego River (Sim Place Resv to Rt 539)	Arsenic	Unspecified Land Disturbance				5
05	02030103180040-01	Overpeck Creek	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
05	02030103180040-01	Overpeck Creek	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
05	02030103180040-01	Overpeck Creek	E. Coli	Combined Sewer Overflows	Agriculture	Urban Runoff/Storm Sewers		5
05	02030103180040-01	Overpeck Creek	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
05	02030103180040-01	Overpeck Creek	Phosphorus					4
05	02030103180040-01	Overpeck Creek	Dioxin					5
13	02040301110050-01	Oyster Creek (below Rt 532)	Total Coliform	Urban Runoff/Storm Sewers	Industrial Point Source Discharge			4
13	02040301110050-01	Oyster Creek (below Rt 532)	E. Coli	Urban Runoff/Storm Sewers	Industrial Point Source Discharge			5
03	02030103050020-01	Pacock Brook	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
17	02040206150030-01	Palatine Branch (Muddy Run)	Cause Unknown	Source Unknown				5
02	02020007020010-01	Papakating Ck (above Frankford Plains)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
02	02020007020070-01	Papakating Ck (below Pellettown)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
02	02020007020070-01	Papakating Ck (below Pellettown)	Cause Unknown	Source Unknown				5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
02	02020007020070-01	Papakating Ck (below Pellettown)	Phosphorus					4
02	02020007020030-01	Papakating Ck (Pellettown-Frankford Plns)	E. Coli	Agriculture				4
02	02020007020030-01	Papakating Ck (Pellettown-Frankford Plns)	Cause Unknown	Source Unknown				5
02	02020007020040-01	Papakating Ck WB(abv 74d39m30s side rd)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
02	02020007020050-01	Papakating Ck WB(blw 74d39m30s side rd)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
18	02040202140030-01	Pargay Creek	Phosphorus	Agriculture				5
18	02040202140030-01	Pargay Creek	E. Coli	Agriculture				5
19	02040202080010-01	Parkers Creek (above Marne Highway)	Phosphorus					5
12	02030104080020-01	Parkers Creek / Oceanport Creek	pH	Urban Runoff/Storm Sewers				5
12	02030104080020-01	Parkers Creek / Oceanport Creek	Enterococcus	Urban Runoff/Storm Sewers				4
12	02030104080020-01	Parkers Creek / Oceanport Creek	E. Coli	Urban Runoff/Storm Sewers				4
12	02030104080020-01	Parkers Creek / Oceanport Creek	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Urban Runoff/Storm Sewers			5
12	02030104080020-01	Parkers Creek / Oceanport Creek	Phosphorus	Urban Runoff/Storm Sewers				5
12	02030104080020-01	Parkers Creek / Oceanport Creek	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104080020-01	Parkers Creek / Oceanport Creek	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104080020-01	Parkers Creek / Oceanport Creek	Total Coliform	Urban Runoff/Storm Sewers				4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
17	02040206080030-01	Parsonage Run / Foster Run	Arsenic					5
17	02040206080030-01	Parsonage Run / Foster Run	Mercury in Water Column					5
17	02040206080030-01	Parsonage Run / Foster Run	Phosphorus	Industrial Point Source Discharge	Agriculture	Urban Runoff/Storm Sewers		4
17	02040206080030-01	Parsonage Run / Foster Run	Total Suspended Solids					5
17	02040206140070-01	Parvin Branch / Tarkiln Branch	Cause Unknown	Source Unknown	Agriculture	Urban Runoff/Storm Sewers		5
05	02030103170010-01	Pascack Brook (above Westwood gage)	Arsenic					5
05	02030103170010-01	Pascack Brook (above Westwood gage)	Phosphorus					4
05	02030103170010-01	Pascack Brook (above Westwood gage)	E. Coli	Urban Runoff/Storm Sewers				4
05	02030103170020-01	Pascack Brook (below Westwood gage)	Arsenic	Natural Sources	Urban Runoff/Storm Sewers			5
05	02030103170020-01	Pascack Brook (below Westwood gage)	Phosphorus	Urban Runoff/Storm Sewers				4
05	02030103170020-01	Pascack Brook (below Westwood gage)	E. Coli	Urban Runoff/Storm Sewers				4
05	02030103170020-01	Pascack Brook (below Westwood gage)	Dissolved Oxygen					5
05	02030103170020-01	Pascack Brook (below Westwood gage)	pH					5
05	02030103170020-01	Pascack Brook (below Westwood gage)	Total Dissolved Solids					5
04	02030103150040-01	Passaic R Lwr (4th St br to Second R)	Arsenic					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
04	02030103150040-01	Passaic R Lwr (4th St br to Second R)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
04	02030103150040-01	Passaic R Lwr (4th St br to Second R)	Benzo(a)Pyrene	Source Unknown				5
04	02030103150040-01	Passaic R Lwr (4th St br to Second R)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
04	02030103150040-01	Passaic R Lwr (4th St br to Second R)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
04	02030103150040-01	Passaic R Lwr (4th St br to Second R)	Dieldrin	Contaminated Sediments	Source Unknown			5
04	02030103150040-01	Passaic R Lwr (4th St br to Second R)	Dioxin	Atmospheric Depositon - Toxics	Combined Sewer Overflows	Urban Runoff/Storm Sewers		5
04	02030103150040-01	Passaic R Lwr (4th St br to Second R)	Dissolved Oxygen					5
04	02030103150040-01	Passaic R Lwr (4th St br to Second R)	Heptachlor epoxide	Contaminated Sediments	Source Unknown			5
04	02030103150040-01	Passaic R Lwr (4th St br to Second R)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Combined Sewer Overflows	Urban Runoff/Storm Sewers	Industrial Point Source Discharge	5
04	02030103120080-01	Passaic R Lwr (Dundee Dam to F.L. Ave)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
04	02030103120080-01	Passaic R Lwr (Dundee Dam to F.L. Ave)	pH					5
04	02030103120080-01	Passaic R Lwr (Dundee Dam to F.L. Ave)	Arsenic	Industrial Point Source Discharge	Urban Runoff/Storm Sewers			5
04	02030103120080-01	Passaic R Lwr (Dundee Dam to F.L. Ave)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
04	02030103120080-01	Passaic R Lwr (Dundee Dam to F.L. Ave)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
04	02030103120080-01	Passaic R Lwr (Dundee Dam to F.L. Ave)	E. Coli					5
04	02030103120080-01	Passaic R Lwr (Dundee Dam to F.L. Ave)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
04	02030103120080-01	Passaic R Lwr (Dundee Dam to F.L. Ave)	Phosphorus	Combined Sewer Overflows	Industrial Point Source Discharge	Urban Runoff/Storm Sewers		4
04	02030103120070-01	Passaic R Lwr (Fair Lawn Ave to Goffle)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
04	02030103120070-01	Passaic R Lwr (Fair Lawn Ave to Goffle)	pH					5
04	02030103120070-01	Passaic R Lwr (Fair Lawn Ave to Goffle)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Combined Sewer Overflows	Urban Runoff/Storm Sewers	Industrial Point Source Discharge	5
04	02030103120070-01	Passaic R Lwr (Fair Lawn Ave to Goffle)	E. Coli	Combined Sewer Overflows	Urban Runoff/Storm Sewers			4
04	02030103120070-01	Passaic R Lwr (Fair Lawn Ave to Goffle)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
04	02030103120070-01	Passaic R Lwr (Fair Lawn Ave to Goffle)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
04	02030103120070-01	Passaic R Lwr (Fair Lawn Ave to Goffle)	Arsenic	Industrial Point Source Discharge	Urban Runoff/Storm Sewers			5
04	02030103120070-01	Passaic R Lwr (Fair Lawn Ave to Goffle)	Phosphorus					4
04	02030103120110-01	Passaic R Lwr (Goeffle Bk to Pump stn)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
04	02030103120110-01	Passaic R Lwr (Goeffle Bk to Pump stn)	pH					5
04	02030103120110-01	Passaic R Lwr (Goeffle Bk to Pump stn)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
04	02030103120110-01	Passaic R Lwr (Goeffle Bk to Pump stn)	E. Coli					4
04	02030103120110-01	Passaic R Lwr (Goeffle Bk to Pump stn)	Phosphorus					4
04	02030103120110-01	Passaic R Lwr (Goeffle Bk to Pump stn)	Arsenic					5
04	02030103120110-01	Passaic R Lwr (Goeffle Bk to Pump stn)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
04	02030103120100-01	Passaic R Lwr (Goffle Bk to Pompton R)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
04	02030103120100-01	Passaic R Lwr (Goffle Bk to Pompton R)	E. Coli					4
04	02030103120100-01	Passaic R Lwr (Goffle Bk to Pompton R)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
04	02030103120100-01	Passaic R Lwr (Goffle Bk to Pompton R)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
04	02030103120100-01	Passaic R Lwr (Goffle Bk to Pompton R)	Arsenic					5
04	02030103120100-01	Passaic R Lwr (Goffle Bk to Pompton R)	pH					5
04	02030103120100-01	Passaic R Lwr (Goffle Bk to Pompton R)	Phosphorus					4
04	02030103120100-01	Passaic R Lwr (Goffle Bk to Pompton R)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
04	02030103150050-01	Passaic R Lwr (Nwk Bay to 4th St brdg)	Benzo(a)Pyrene	Source Unknown				5
04	02030103150050-01	Passaic R Lwr (Nwk Bay to 4th St brdg)	Cause Unknown	Source Unknown				5
04	02030103150050-01	Passaic R Lwr (Nwk Bay to 4th St brdg)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
04	02030103150050-01	Passaic R Lwr (Nwk Bay to 4th St brdg)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
04	02030103150050-01	Passaic R Lwr (Nwk Bay to 4th St brdg)	Dieldrin	Contaminated Sediments	Source Unknown			5
04	02030103150050-01	Passaic R Lwr (Nwk Bay to 4th St brdg)	Dioxin	Urban Runoff/Storm Sewers	Combined Sewer Overflows	Municipal Point Source Discharges	Package Plant or Other Permitted Small Flows Discharges	5
04	02030103150050-01	Passaic R Lwr (Nwk Bay to 4th St brdg)	Heptachlor epoxide	Contaminated Sediments	Source Unknown			5
04	02030103150050-01	Passaic R Lwr (Nwk Bay to 4th St brdg)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Combined Sewer Overflows	Urban Runoff/Storm Sewers	Industrial Point Source Discharge	5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
04	02030103150050-01	Passaic R Lwr (Nwk Bay to 4th St brdg)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
04	02030103150050-01	Passaic R Lwr (Nwk Bay to 4th St brdg)	Arsenic					5
04	02030103120090-01	Passaic R Lwr (Saddle R to Dundee Dam)	Arsenic	Industrial Point Source Discharge	Urban Runoff/Storm Sewers			5
04	02030103120090-01	Passaic R Lwr (Saddle R to Dundee Dam)	Benzo(a)Pyrene	Source Unknown				5
04	02030103120090-01	Passaic R Lwr (Saddle R to Dundee Dam)	Phosphorus	Combined Sewer Overflows	Industrial Point Source Discharge	Agriculture	Urban Runoff/Storm Sewers	5
04	02030103120090-01	Passaic R Lwr (Saddle R to Dundee Dam)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
04	02030103120090-01	Passaic R Lwr (Saddle R to Dundee Dam)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
04	02030103120090-01	Passaic R Lwr (Saddle R to Dundee Dam)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
04	02030103120090-01	Passaic R Lwr (Saddle R to Dundee Dam)	Dieldrin	Contaminated Sediments	Source Unknown			5
04	02030103120090-01	Passaic R Lwr (Saddle R to Dundee Dam)	Dioxin	Atmospheric Depositon - Toxics	Agriculture	Urban Runoff/Storm Sewers		5
04	02030103120090-01	Passaic R Lwr (Saddle R to Dundee Dam)	Heptachlor epoxide	Contaminated Sediments	Source Unknown			5
04	02030103120090-01	Passaic R Lwr (Saddle R to Dundee Dam)	pH					5
04	02030103150030-01	Passaic R Lwr (Second R to Saddle R)	Benzo(a)Pyrene	Source Unknown				5
04	02030103150030-01	Passaic R Lwr (Second R to Saddle R)	Dieldrin	Contaminated Sediments	Source Unknown			5
04	02030103150030-01	Passaic R Lwr (Second R to Saddle R)	Total Suspended Solids					5
04	02030103150030-01	Passaic R Lwr (Second R to Saddle R)	Phosphorus					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
04	02030103150030-01	Passaic R Lwr (Second R to Saddle R)	pH					5
04	02030103150030-01	Passaic R Lwr (Second R to Saddle R)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
04	02030103150030-01	Passaic R Lwr (Second R to Saddle R)	Heptachlor epoxide	Contaminated Sediments	Source Unknown			5
04	02030103150030-01	Passaic R Lwr (Second R to Saddle R)	Dioxin					5
04	02030103150030-01	Passaic R Lwr (Second R to Saddle R)	Arsenic					5
04	02030103150030-01	Passaic R Lwr (Second R to Saddle R)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
04	02030103150030-01	Passaic R Lwr (Second R to Saddle R)	Dissolved Oxygen					5
04	02030103150030-01	Passaic R Lwr (Second R to Saddle R)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
06	02030103010130-01	Passaic R Upr (40d 45m to Snyder Ave)	Total Suspended Solids	Municipal Point Source Discharges	Package Plant or Other Permitted Small Flows Discharges	Agriculture	Urban Runoff/Storm Sewers	5
06	02030103010130-01	Passaic R Upr (40d 45m to Snyder Ave)	E. Coli	Urban Runoff/Storm Sewers				4
06	02030103010130-01	Passaic R Upr (40d 45m to Snyder Ave)	Arsenic	Industrial Point Source Discharge	Municipal Point Source Discharges	Urban Runoff/Storm Sewers		5
06	02030103010130-01	Passaic R Upr (40d 45m to Snyder Ave)	Phosphorus					4
06	02030103010010-01	Passaic R Upr (above Osborn Mills)	Phosphorus	Industrial Point Source Discharge	Urban Runoff/Storm Sewers			4
06	02030103010010-01	Passaic R Upr (above Osborn Mills)	pH					5
06	02030103010010-01	Passaic R Upr (above Osborn Mills)	E. Coli	Urban Runoff/Storm Sewers				4
06	02030103010150-01	Passaic R Upr (Columbia Rd to 40d 45m)	E. Coli	Urban Runoff/Storm Sewers				4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
06	02030103010150-01	Passaic R Upr (Columbia Rd to 40d 45m)	Phosphorus					4
06	02030103010150-01	Passaic R Upr (Columbia Rd to 40d 45m)	Arsenic	Natural Sources	Urban Runoff/Storm Sewers			5
06	02030103010150-01	Passaic R Upr (Columbia Rd to 40d 45m)	Total Suspended Solids	Natural Sources	Agriculture	Urban Runoff/Storm Sewers		5
06	02030103010070-01	Passaic R Upr (Dead R to Osborn Mills)	Arsenic	Industrial Point Source Discharge				5
06	02030103010070-01	Passaic R Upr (Dead R to Osborn Mills)	Dissolved Oxygen					5
06	02030103010070-01	Passaic R Upr (Dead R to Osborn Mills)	E. Coli	Urban Runoff/Storm Sewers				4
06	02030103010160-01	Passaic R Upr (HanoverRR to ColumbiaRd)	E. Coli					4
06	02030103010160-01	Passaic R Upr (HanoverRR to ColumbiaRd)	Phosphorus					4
06	02030103010160-01	Passaic R Upr (HanoverRR to ColumbiaRd)	Total Dissolved Solids					5
06	02030103010160-01	Passaic R Upr (HanoverRR to ColumbiaRd)	Total Suspended Solids					5
06	02030103010180-01	Passaic R Upr (Pine Bk br to Rockaway)	Phosphorus					4
06	02030103010180-01	Passaic R Upr (Pine Bk br to Rockaway)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
06	02030103010180-01	Passaic R Upr (Pine Bk br to Rockaway)	Arsenic	Natural Sources	Urban Runoff/Storm Sewers			5
06	02030103010180-01	Passaic R Upr (Pine Bk br to Rockaway)	E. Coli	Urban Runoff/Storm Sewers				4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
06	02030103010180-01	Passaic R Upr (Pine Bk br to Rockaway)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
06	02030103010180-01	Passaic R Upr (Pine Bk br to Rockaway)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
06	02030103010180-01	Passaic R Upr (Pine Bk br to Rockaway)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
06	02030103010110-01	Passaic R Upr (Plainfield Rd to Dead R)	Dissolved Oxygen					5
06	02030103010110-01	Passaic R Upr (Plainfield Rd to Dead R)	Phosphorus					4
06	02030103010110-01	Passaic R Upr (Plainfield Rd to Dead R)	E. Coli	Urban Runoff/Storm Sewers				4
06	02030103010110-01	Passaic R Upr (Plainfield Rd to Dead R)	Total Suspended Solids	Package Plant or Other Permitted Small Flows Discharges	Agriculture	Urban Runoff/Storm Sewers		5
06	02030103010110-01	Passaic R Upr (Plainfield Rd to Dead R)	Arsenic	Industrial Point Source Discharge	Urban Runoff/Storm Sewers			5
06	02030103040010-01	Passaic R Upr (Pompton R to Pine Bk)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Urban Runoff/Storm Sewers	Agriculture		5
06	02030103040010-01	Passaic R Upr (Pompton R to Pine Bk)	Total Suspended Solids					5
06	02030103040010-01	Passaic R Upr (Pompton R to Pine Bk)	Phosphorus					4
06	02030103040010-01	Passaic R Upr (Pompton R to Pine Bk)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
06	02030103040010-01	Passaic R Upr (Pompton R to Pine Bk)	E. Coli	Urban Runoff/Storm Sewers				4
06	02030103040010-01	Passaic R Upr (Pompton R to Pine Bk)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
06	02030103040010-01	Passaic R Upr (Pompton R to Pine Bk)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
06	02030103040010-01	Passaic R Upr (Pompton R to Pine Bk)	Arsenic	Natural Sources	Urban Runoff/Storm Sewers			5
06	02030103010170-01	Passaic R Upr (Rockaway to Hanover RR)	Total Suspended Solids	Municipal Point Source Discharges	Agriculture	Urban Runoff/Storm Sewers		5
06	02030103010170-01	Passaic R Upr (Rockaway to Hanover RR)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
06	02030103010170-01	Passaic R Upr (Rockaway to Hanover RR)	Total Dissolved Solids	Industrial Point Source Discharge	Municipal Point Source Discharges	Urban Runoff/Storm Sewers		5
06	02030103010170-01	Passaic R Upr (Rockaway to Hanover RR)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
06	02030103010170-01	Passaic R Upr (Rockaway to Hanover RR)	Phosphorus					4
06	02030103010170-01	Passaic R Upr (Rockaway to Hanover RR)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
06	02030103010170-01	Passaic R Upr (Rockaway to Hanover RR)	Dissolved Oxygen					5
06	02030103010170-01	Passaic R Upr (Rockaway to Hanover RR)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
06	02030103010170-01	Passaic R Upr (Rockaway to Hanover RR)	E. Coli					4
06	02030103010120-01	Passaic R Upr (Snyder to Plainfield Rd)	Total Suspended Solids	Municipal Point Source Discharges	Package Plant or Other Permitted Small Flows Discharges	Agriculture	Urban Runoff/Storm Sewers	5
06	02030103010120-01	Passaic R Upr (Snyder to Plainfield Rd)	Phosphorus					4
06	02030103010120-01	Passaic R Upr (Snyder to Plainfield Rd)	E. Coli	Urban Runoff/Storm Sewers				4
06	02030103010120-01	Passaic R Upr (Snyder to Plainfield Rd)	Dissolved Oxygen	Municipal Point Source Discharges	Package Plant or Other Permitted Small Flows Discharges	Urban Runoff/Storm Sewers		5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
06	02030103010120-01	Passaic R Upr (Snyder to Plainfield Rd)	Arsenic	Municipal Point Source Discharges	Natural Sources	Urban Runoff/Storm Sewers		5
15	02040302060030-01	Patcong Creek (Somers Ave to Zion Rd)	Total Coliform	Urban Runoff/Storm Sewers				4
01	02040105040060-01	Paulins Kill (above Rt 15)	Phosphorus	Package Plant or Other Permitted Small Flows Discharges	Municipal Point Source Discharges	Agriculture	Urban Runoff/Storm Sewers	5
01	02040105040060-01	Paulins Kill (above Rt 15)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
01	02040105040060-01	Paulins Kill (above Rt 15)	Dissolved Oxygen	Urban Runoff/Storm Sewers	Municipal Point Source Discharges	Package Plant or Other Permitted Small Flows Discharges	Agriculture	5
01	02040105050050-01	Paulins Kill (below Blairstown gage)	Temperature					5
01	02040105050050-01	Paulins Kill (below Blairstown gage)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
01	02040105050050-01	Paulins Kill (below Blairstown gage)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
01	02040105050010-01	Paulins Kill (Blairstown to Stillwater)	Temperature	Upstream Impoundments (e.g., Pl-566 NRCS Structures)	Agriculture	Urban Runoff/Storm Sewers		5
01	02040105050010-01	Paulins Kill (Blairstown to Stillwater)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
01	02040105050010-01	Paulins Kill (Blairstown to Stillwater)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
01	02040105040070-01	Paulins Kill (Dry Brook to Rt 15)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
01	02040105040080-01	Paulins Kill (PK Lk outlet to Dry Brook)	Arsenic	Agriculture	Urban Runoff/Storm Sewers			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
01	02040105040080-01	Paulins Kill (PK Lk outlet to Dry Brook)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
01	02040105040090-01	Paulins Kill (Stillwater Vil to PK Lake)	Temperature	Upstream Impoundments (e.g., Pl-566 NRCS Structures)				5
01	02040105040090-01	Paulins Kill (Stillwater Vil to PK Lake)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
08	02030105060050-01	Peapack Brook (above/incl Gladstone Bk)	Cause Unknown	Source Unknown				5
08	02030105060060-01	Peapack Brook (below Gladstone Brook)	Cause Unknown	Source Unknown				5
04	02030103120010-01	Peckman River (above CG Res trib)	Phosphorus					4
04	02030103120010-01	Peckman River (above CG Res trib)	E. Coli	Urban Runoff/Storm Sewers				4
04	02030103120010-01	Peckman River (above CG Res trib)	Cause Unknown	Source Unknown				5
04	02030103120020-01	Peckman River (below CG Res trib)	E. Coli	Urban Runoff/Storm Sewers				4
04	02030103120020-01	Peckman River (below CG Res trib)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
04	02030103120020-01	Peckman River (below CG Res trib)	Phosphorus	Industrial Point Source Discharge	Municipal Point Source Discharges	Urban Runoff/Storm Sewers		4
19	02040202040020-01	Pemberton / Ft Dix trib (NB Rancocas Ck)	E. Coli					5
19	02040202040020-01	Pemberton / Ft Dix trib (NB Rancocas Ck)	Cause Unknown	Source Unknown	Agriculture	Urban Runoff/Storm Sewers		5
18	02040202100060-01	Pennsauken Ck (below NB / SB)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202100060-01	Pennsauken Ck (below NB / SB)	Arsenic	Urban Runoff/Storm Sewers				5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
18	02040202100060-01	Pennsauken Ck (below NB / SB)	Dissolved Oxygen	Urban Runoff/Storm Sewers				5
18	02040202100060-01	Pennsauken Ck (below NB / SB)	Lead	Urban Runoff/Storm Sewers				5
18	02040202100060-01	Pennsauken Ck (below NB / SB)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202100060-01	Pennsauken Ck (below NB / SB)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202100060-01	Pennsauken Ck (below NB / SB)	Phosphorus					5
18	02040202100060-01	Pennsauken Ck (below NB / SB)	E. Coli					5
18	02040202100010-01	Pennsauken Ck NB (above NJTPK)	Cause Unknown	Source Unknown				5
18	02040202100010-01	Pennsauken Ck NB (above NJTPK)	Arsenic					5
18	02040202100010-01	Pennsauken Ck NB (above NJTPK)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
18	02040202100030-01	Pennsauken Ck NB (below Strawbridge Lk)	Arsenic	Industrial Point Source Discharge	Municipal Point Source Discharges	Agriculture	Urban Runoff/Storm Sewers	5
18	02040202100020-01	Pennsauken Ck NB (incl StrwbrdgLk-NJTPK)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202100020-01	Pennsauken Ck NB (incl StrwbrdgLk-NJTPK)	Phosphorus	Industrial Point Source Discharge	Agriculture	Urban Runoff/Storm Sewers		4
18	02040202100020-01	Pennsauken Ck NB (incl StrwbrdgLk-NJTPK)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
18	02040202100020-01	Pennsauken Ck NB (incl StrwbrdgLk-NJTPK)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
18	02040202100020-01	Pennsauken Ck NB (incl StrwbrdgLk-NJTPK)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
18	02040202100020-01	Pennsauken Ck NB (incl StrwbrdgLk-NJTPK)	Arsenic	Industrial Point Source Discharge	Agriculture	Urban Runoff/Storm Sewers		5
18	02040202100020-01	Pennsauken Ck NB (incl StrwbrdgLk-NJTPK)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202100040-01	Pennsauken Ck SB (above Rt 41)	E. Coli	Urban Runoff/Storm Sewers				4
18	02040202100040-01	Pennsauken Ck SB (above Rt 41)	Dissolved Oxygen	Municipal Point Source Discharges	Urban Runoff/Storm Sewers			5
18	02040202100040-01	Pennsauken Ck SB (above Rt 41)	Phosphorus	Municipal Point Source Discharges	Agriculture	Urban Runoff/Storm Sewers		5
18	02040202100040-01	Pennsauken Ck SB (above Rt 41)	Arsenic	Municipal Point Source Discharges	Natural Sources	Urban Runoff/Storm Sewers		5
18	02040202100040-01	Pennsauken Ck SB (above Rt 41)	Total Suspended Solids	Municipal Point Source Discharges	Urban Runoff/Storm Sewers	Agriculture		5
18	02040202100050-01	Pennsauken Ck SB (below Rt 41)	Arsenic	Municipal Point Source Discharges	Natural Sources	Urban Runoff/Storm Sewers		5
18	02040202100050-01	Pennsauken Ck SB (below Rt 41)	E. Coli	Urban Runoff/Storm Sewers				4
18	02040202100050-01	Pennsauken Ck SB (below Rt 41)	Phosphorus	Municipal Point Source Discharges	Agriculture	Urban Runoff/Storm Sewers		5
18	02040202100050-01	Pennsauken Ck SB (below Rt 41)	Total Suspended Solids	Municipal Point Source Discharges	Urban Runoff/Storm Sewers	Agriculture		5
15	02040302030070-01	Penny Pot Stream (GEHR)	pH	Agriculture	Urban Runoff/Storm Sewers			5
03	02030103050030-01	Pequannock R (above OakRidge Res outlet)	E. Coli					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
03	02030103050030-01	Pequannock R (above OakRidge Res outlet)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
03	02030103050030-01	Pequannock R (above OakRidge Res outlet)	Dissolved Oxygen					5
03	02030103050030-01	Pequannock R (above OakRidge Res outlet)	Arsenic					5
03	02030103050030-01	Pequannock R (above OakRidge Res outlet)	Temperature					4
03	02030103050010-01	Pequannock R (above Stockholm/Vernon Rd)	Temperature					4
03	02030103050080-01	Pequannock R (below Macopin gage)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
03	02030103050080-01	Pequannock R (below Macopin gage)	Temperature					5
03	02030103050080-01	Pequannock R (below Macopin gage)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
03	02030103050080-01	Pequannock R (below Macopin gage)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
03	02030103050080-01	Pequannock R (below Macopin gage)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
03	02030103050050-01	Pequannock R (Charlotteburg to OakRidge)	Temperature					4
03	02030103050050-01	Pequannock R (Charlotteburg to OakRidge)	Dissolved Oxygen					5
03	02030103050050-01	Pequannock R (Charlotteburg to OakRidge)	Arsenic					5
03	02030103050060-01	Pequannock R (Macopin gage to Charl'brg)	Temperature					4
03	02030103050060-01	Pequannock R (Macopin gage to Charl'brg)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
03	02030103050060-01	Pequannock R (Macopin gage to Charl'brg)	Cause Unknown	Source Unknown				5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
01	02040105070030-01	Pequest R (above Brighton)	Dissolved Oxygen					5
01	02040105070030-01	Pequest R (above Brighton)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
01	02040105070060-01	Pequest R (below Bear Swamp to Trout Bk)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
01	02040105090060-01	Pequest R (below Furnace Brook)	pH					5
01	02040105090060-01	Pequest R (below Furnace Brook)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
01	02040105090060-01	Pequest R (below Furnace Brook)	Arsenic	Agriculture	Urban Runoff/Storm Sewers			5
01	02040105090020-01	Pequest R (Cemetary Road to Drag Strip)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
01	02040105090010-01	Pequest R (Drag Strip--below Bear Swamp)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			4
01	02040105090010-01	Pequest R (Drag Strip--below Bear Swamp)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
01	02040105090030-01	Pequest R (Furnace Bk to Cemetary Road)	Cause Unknown	Source Unknown				5
01	02040105090030-01	Pequest R (Furnace Bk to Cemetary Road)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
01	02040105070040-01	Pequest R (Trout Brook to Brighton)	E. Coli	Agriculture				5
01	02040105070040-01	Pequest R (Trout Brook to Brighton)	pH					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
09	02030105080010-01	Peters Brook	Cause Unknown	Source Unknown	Agriculture	Urban Runoff/Storm Sewers		5
09	02030105080010-01	Peters Brook	E. Coli	Urban Runoff/Storm Sewers				4
12	02030104060060-01	Pews Creek to Shrewsbury River	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104060060-01	Pews Creek to Shrewsbury River	Total Coliform	Urban Runoff/Storm Sewers				5
12	02030104060060-01	Pews Creek to Shrewsbury River	Phosphorus	Urban Runoff/Storm Sewers	Municipal Point Source Discharges			5
12	02030104060060-01	Pews Creek to Shrewsbury River	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104060060-01	Pews Creek to Shrewsbury River	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Contaminated Sediments	Urban Runoff/Storm Sewers		5
12	02030104060060-01	Pews Creek to Shrewsbury River	E. Coli	Urban Runoff/Storm Sewers				4
12	02030104060060-01	Pews Creek to Shrewsbury River	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104060060-01	Pews Creek to Shrewsbury River	Arsenic	Urban Runoff/Storm Sewers				5
17	02040206070090-01	Phillips Creek / Jacobs Creek	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206070090-01	Phillips Creek / Jacobs Creek	Total Coliform					4
10	02030105110080-01	Pike Run (above Cruser Brook)	Cause Unknown	Source Unknown				5
10	02030105110100-01	Pike Run (below Cruser Brook)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
10	02030105110100-01	Pike Run (below Cruser Brook)	Phosphorus	Industrial Point Source Discharge	Agriculture	Urban Runoff/Storm Sewers		5
12	02030104070080-01	Pine Brook / Hockhockson Brook	E. Coli	Urban Runoff/Storm Sewers	Agriculture			4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
12	02030104070080-01	Pine Brook / Hockhockson Brook	Arsenic	Urban Runoff/Storm Sewers	Agriculture	Nps Pollution from Military Base Facilities (Other than Port Facilities)		5
12	02030104070080-01	Pine Brook / Hockhockson Brook	Temperature	Urban Runoff/Storm Sewers	Agriculture	Loss of Riparian Habitat		5
12	02030104070080-01	Pine Brook / Hockhockson Brook	Total Coliform	Urban Runoff/Storm Sewers	Agriculture			4
12	02030104070080-01	Pine Brook / Hockhockson Brook	Phosphorus	Urban Runoff/Storm Sewers	Agriculture			5
17	02040206090090-01	Pine Mount Creek	Cause Unknown	Source Unknown				5
17	02040206090090-01	Pine Mount Creek	Total Coliform					4
08	02030105040020-01	Pleasant Run	Cause Unknown	Source Unknown	Agriculture	Urban Runoff/Storm Sewers		5
08	02030105040020-01	Pleasant Run	E. Coli	Agriculture	Urban Runoff/Storm Sewers			5
11	02040105200050-01	Plum Creek	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			4
11	02040105200050-01	Plum Creek	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
02	02020007040030-01	Pochuck Ck/Glenwood Lk & northern trib	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
01	02040105140010-01	Pohatcong Ck (above Rt 31)	Temperature	Upstream Impoundments (e.g., Pl-566 NRCS Structures)				5
01	02040105140010-01	Pohatcong Ck (above Rt 31)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
01	02040105140070-01	Pohatcong Ck (below Springtown) incl UDRV	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
01	02040105140070-01	Pohatcong Ck (below Springtown) incl UDRV	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			5
01	02040105140020-01	Pohatcong Ck (Brass Castle Ck to Rt 31)	Total Suspended Solids					5
01	02040105140020-01	Pohatcong Ck (Brass Castle Ck to Rt 31)	Arsenic					5
01	02040105140020-01	Pohatcong Ck (Brass Castle Ck to Rt 31)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
01	02040105140030-01	Pohatcong Ck (Edison Rd-Brass Castle Ck)	Arsenic					5
01	02040105140030-01	Pohatcong Ck (Edison Rd-Brass Castle Ck)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
01	02040105140030-01	Pohatcong Ck (Edison Rd-Brass Castle Ck)	pH					5
01	02040105140030-01	Pohatcong Ck (Edison Rd-Brass Castle Ck)	Phosphorus	Package Plant or Other Permitted Small Flows Discharges	Agriculture	Urban Runoff/Storm Sewers		5
01	02040105140030-01	Pohatcong Ck (Edison Rd-Brass Castle Ck)	Total Suspended Solids					5
01	02040105140050-01	Pohatcong Ck (Merrill Ck to Edison Rd)	Total Suspended Solids					5
01	02040105140050-01	Pohatcong Ck (Merrill Ck to Edison Rd)	Arsenic					5
01	02040105140050-01	Pohatcong Ck (Merrill Ck to Edison Rd)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
01	02040105140050-01	Pohatcong Ck (Merrill Ck to Edison Rd)	pH					5
01	02040105140050-01	Pohatcong Ck (Merrill Ck to Edison Rd)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			5
01	02040105140060-01	Pohatcong Ck (Springtown to Merrill Ck)	Arsenic					5
01	02040105140060-01	Pohatcong Ck (Springtown to Merrill Ck)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
01	02040105140060-01	Pohatcong Ck (Springtown to Merrill Ck)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
13	BarnegatBay01	Point Pleasant Canal and Bay Head Harbor	Total Coliform	Urban Runoff/Storm Sewers				4
19	02040202030060-01	Pole Bridge Br (CountryLk dam - Co line)	Dissolved Oxygen					5
18	02040202090020-01	Pompeston Creek (above Rt 130)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			5
18	02040202090020-01	Pompeston Creek (above Rt 130)	Dissolved Oxygen					5
18	02040202090020-01	Pompeston Creek (above Rt 130)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			5
18	02040202090020-01	Pompeston Creek (above Rt 130)	pH					5
18	02040202090030-01	Pompeston Creek (below Rt130/Swede to 40d)	Cause Unknown	Source Unknown	Municipal Point Source Discharges	Agriculture	Urban Runoff/Storm Sewers	5
18	02040202090030-01	Pompeston Creek (below Rt130/Swede to 40d)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
18	02040202090030-01	Pompeston Creek (below Rt130/Swede to 40d)	E. Coli					5
03	02030103110020-01	Pompton River	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
03	02030103110020-01	Pompton River	Lead					5
03	02030103110020-01	Pompton River	Cause Unknown	Source Unknown				5
03	02030103110020-01	Pompton River	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
03	02030103110020-01	Pompton River	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
03	02030103110020-01	Pompton River	E. Coli	Urban Runoff/Storm Sewers				5
03	02030103110020-01	Pompton River	Phosphorus					4
03	02030103110020-01	Pompton River	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
16	02040206230070-01	Pond Creek / Cape May Canal West	Total Coliform	Urban Runoff/Storm Sewers				4
16	02040206230070-01	Pond Creek / Cape May Canal West	Phosphorus	Urban Runoff/Storm Sewers				4
16	02040206230070-01	Pond Creek / Cape May Canal West	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
11	02040105240040-01	Pond Run	Total Suspended Solids	Agriculture	Urban Runoff/Storm Sewers			5
11	02040105240040-01	Pond Run	Turbidity					5
12	02030104090020-01	Poplar Brook	Phosphorus	Urban Runoff/Storm Sewers				5
12	02030104090020-01	Poplar Brook	E. Coli	Urban Runoff/Storm Sewers				4
12	02030104070100-01	Poricy Bk/Swimming R(below SwimmingR Rd)	E. Coli	Urban Runoff/Storm Sewers				4
12	02030104070100-01	Poricy Bk/Swimming R(below SwimmingR Rd)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
12	02030104070100-01	Poricy Bk/Swimming R(below SwimmingR Rd)	Enterococcus	Urban Runoff/Storm Sewers				4
12	02030104070100-01	Poricy Bk/Swimming R(below SwimmingR Rd)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104070100-01	Poricy Bk/Swimming R(below SwimmingR Rd)	Total Coliform	Urban Runoff/Storm Sewers				4
12	02030104070100-01	Poricy Bk/Swimming R(below SwimmingR Rd)	Dissolved Oxygen	Urban Runoff/Storm Sewers				5
08	02030105050050-01	Pottersville trib (Lamington River)	Temperature					5
08	02030105050050-01	Pottersville trib (Lamington River)	E. Coli	Agriculture				4
04	02030103120030-01	Preakness Brook / Naachtpunkt Brook	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers	Agriculture		5
04	02030103120030-01	Preakness Brook / Naachtpunkt Brook	E. Coli	Urban Runoff/Storm Sewers				4
08	02030105020090-01	Prescott Brook / Round Valley Reservior	Phosphorus					4
08	02030105020090-01	Prescott Brook / Round Valley Reservior	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
08	02030105020090-01	Prescott Brook / Round Valley Reservior	Arsenic					5
08	02030105020090-01	Prescott Brook / Round Valley Reservior	E. Coli					5
06	02030103010020-01	Primrose Brook	pH					5
06	02030103010020-01	Primrose Brook	Temperature					5
06	02030103010020-01	Primrose Brook	Dissolved Oxygen					5
06	02030103010020-01	Primrose Brook	Arsenic					5
06	02030103010020-01	Primrose Brook	Turbidity					5
14	02040301160070-01	Pump Branch (above 74d53m road)	pH	Agriculture	Urban Runoff/Storm Sewers			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
14	02040301160080-01	Pump Branch (below 74d53m road)	pH	Agriculture	Urban Runoff/Storm Sewers			5
02	02020007030020-01	Quarryville Brook	Temperature					5
18	02040202150060-01	Raccoon Ck (below Swedesboro rd)/BirchCk	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202150020-01	Raccoon Ck (Rt 45 to/incl Clems Run)	pH					5
18	02040202150020-01	Raccoon Ck (Rt 45 to/incl Clems Run)	Phosphorus					5
18	02040202150020-01	Raccoon Ck (Rt 45 to/incl Clems Run)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
18	02040202150040-01	Raccoon Ck (Russell Mill Rd to Rt 45)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202150040-01	Raccoon Ck (Russell Mill Rd to Rt 45)	Turbidity					5
18	02040202150040-01	Raccoon Ck (Russell Mill Rd to Rt 45)	pH					5
18	02040202150040-01	Raccoon Ck (Russell Mill Rd to Rt 45)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
18	02040202150040-01	Raccoon Ck (Russell Mill Rd to Rt 45)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202150040-01	Raccoon Ck (Russell Mill Rd to Rt 45)	Arsenic	Agriculture	Urban Runoff/Storm Sewers			5
18	02040202150040-01	Raccoon Ck (Russell Mill Rd to Rt 45)	Phosphorus					5
18	02040202150040-01	Raccoon Ck (Russell Mill Rd to Rt 45)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202150050-01	Raccoon Ck (Swedesboro rd-RussellMillRd)	Phosphorus					5
18	02040202150030-01	Raccoon Ck SB	Cause Unknown	Source Unknown				5
17	02040206070070-01	Raccoon Ditch (Stow Creek)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
17	02040206070070-01	Raccoon Ditch (Stow Creek)	Dissolved Oxygen					5
07	02030104050100-01	Rahway River (below Robinsons Branch)	Heptachlor epoxide	Contaminated Sediments	Source Unknown			5
07	02030104050100-01	Rahway River (below Robinsons Branch)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
07	02030104050100-01	Rahway River (below Robinsons Branch)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
07	02030104050100-01	Rahway River (below Robinsons Branch)	Hexachlorobenzene	Source Unknown				5
07	02030104050100-01	Rahway River (below Robinsons Branch)	Benzo(a)Pyrene	Source Unknown				5
07	02030104050100-01	Rahway River (below Robinsons Branch)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
07	02030104050100-01	Rahway River (below Robinsons Branch)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
07	02030104050100-01	Rahway River (below Robinsons Branch)	Dioxin	Atmospheric Depositon - Toxics	Combined Sewer Overflows	Municipal Point Source Discharges	Urban Runoff/Storm Sewers	5
07	02030104050100-01	Rahway River (below Robinsons Branch)	Dieldrin	Contaminated Sediments	Source Unknown			5
07	02030104050040-01	Rahway River (Kenilworth Blvd to EB / WB)	Arsenic	Industrial Point Source Discharge	Urban Runoff/Storm Sewers			5
07	02030104050040-01	Rahway River (Kenilworth Blvd to EB / WB)	Phosphorus	Industrial Point Source Discharge	Agriculture	Urban Runoff/Storm Sewers		5
07	02030104050040-01	Rahway River (Kenilworth Blvd to EB / WB)	E. Coli	Urban Runoff/Storm Sewers				4
07	02030104050060-01	Rahway River (Robinsons Br to KenilworthBlvd)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Combined Sewer Overflows	Industrial Point Source Discharge		5
07	02030104050060-01	Rahway River (Robinsons Br to KenilworthBlvd)	Arsenic	Industrial Point Source Discharge	Urban Runoff/Storm Sewers			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
07	02030104050060-01	Rahway River (Robinsons Br to KenilworthBlvd)	E. Coli	Urban Runoff/Storm Sewers				4
07	02030104050060-01	Rahway River (Robinsons Br to KenilworthBlvd)	Phosphorus	Combined Sewer Overflows	Industrial Point Source Discharge	Agriculture	Urban Runoff/Storm Sewers	5
07	02030104050060-01	Rahway River (Robinsons Br to KenilworthBlvd)	Dissolved Oxygen					5
07	02030104050020-01	Rahway River EB	E. Coli	Urban Runoff/Storm Sewers				4
07	02030104050090-01	Rahway River SB	E. Coli	Combined Sewer Overflows	Urban Runoff/Storm Sewers			4
07	02030104050090-01	Rahway River SB	Dioxin	Atmospheric Depositon - Toxics	Combined Sewer Overflows	Urban Runoff/Storm Sewers		5
07	02030104050090-01	Rahway River SB	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
07	02030104050090-01	Rahway River SB	Phosphorus	Combined Sewer Overflows	Industrial Point Source Discharge	Urban Runoff/Storm Sewers		5
07	02030104050090-01	Rahway River SB	Total Dissolved Solids	Industrial Point Source Discharge	Urban Runoff/Storm Sewers			5
07	02030104050010-01	Rahway River WB	Phosphorus	Urban Runoff/Storm Sewers				5
07	02030104050010-01	Rahway River WB	Sulfate	Source Unknown				5
07	02030104050010-01	Rahway River WB	Total Dissolved Solids	Urban Runoff/Storm Sewers				5
07	02030104050010-01	Rahway River WB	E. Coli	Urban Runoff/Storm Sewers				4
03	02030103100010-01	Ramapo R (above 74d 11m 00s)	Phosphorus	Industrial Point Source Discharge	Urban Runoff/Storm Sewers			4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
03	02030103100010-01	Ramapo R (above 74d 11m 00s)	E. Coli					4
03	02030103100010-01	Ramapo R (above 74d 11m 00s)	Dissolved Oxygen					5
03	02030103100030-01	Ramapo R (above Fyke Bk to 74d 11m 00s)	Temperature					5
03	02030103100030-01	Ramapo R (above Fyke Bk to 74d 11m 00s)	E. Coli	Urban Runoff/Storm Sewers				4
03	02030103100030-01	Ramapo R (above Fyke Bk to 74d 11m 00s)	Phosphorus					4
03	02030103100040-01	Ramapo R (Bear Swamp Bk thru Fyke Bk)	E. Coli	Urban Runoff/Storm Sewers				4
03	02030103100040-01	Ramapo R (Bear Swamp Bk thru Fyke Bk)	pH					5
03	02030103100070-01	Ramapo R (below Crystal Lake bridge)	Phosphorus					4
03	02030103100070-01	Ramapo R (below Crystal Lake bridge)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
03	02030103100070-01	Ramapo R (below Crystal Lake bridge)	E. Coli					4
03	02030103100070-01	Ramapo R (below Crystal Lake bridge)	pH	Municipal Point Source Discharges	Package Plant or Other Permitted Small Flows Discharges	Agriculture	Urban Runoff/Storm Sewers	5
03	02030103100070-01	Ramapo R (below Crystal Lake bridge)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
03	02030103100070-01	Ramapo R (below Crystal Lake bridge)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
03	02030103100070-01	Ramapo R (below Crystal Lake bridge)	Temperature					5
03	02030103100070-01	Ramapo R (below Crystal Lake bridge)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
03	02030103100050-01	Ramapo R (Crystal Lk br to BearSwamp Bk)	Temperature					5
03	02030103100050-01	Ramapo R (Crystal Lk br to BearSwamp Bk)	Phosphorus	Urban Runoff/Storm Sewers				4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
03	02030103100050-01	Ramapo R (Crystal Lk br to BearSwamp Bk)	E. Coli	Urban Runoff/Storm Sewers				4
19	02040202080050-01	Rancocas Ck (below Rt 130)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
19	02040202080050-01	Rancocas Ck (below Rt 130)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
19	02040202080020-01	Rancocas Ck (Martins Beach to NB/SB)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
19	02040202080020-01	Rancocas Ck (Martins Beach to NB/SB)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
19	02040202080020-01	Rancocas Ck (Martins Beach to NB/SB)	Phosphorus					5
19	02040202080020-01	Rancocas Ck (Martins Beach to NB/SB)	Dissolved Oxygen					5
19	02040202080020-01	Rancocas Ck (Martins Beach to NB/SB)	E. Coli					5
19	02040202080040-01	Rancocas Ck (Rt 130 to Martins Beach)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
19	02040202040050-01	Rancocas Ck NB (below Smithville)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
19	02040202040050-01	Rancocas Ck NB (below Smithville)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
19	02040202040050-01	Rancocas Ck NB (below Smithville)	Arsenic	Industrial Point Source Discharge	Municipal Point Source Discharges	Urban Runoff/Storm Sewers		5
19	02040202040050-01	Rancocas Ck NB (below Smithville)	Phosphorus	Industrial Point Source Discharge	Municipal Point Source Discharges	Agriculture	Urban Runoff/Storm Sewers	5
19	02040202020030-01	Rancocas Ck NB (incl Mirror Lk-GauntsBk)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
19	02040202020030-01	Rancocas Ck NB (incl Mirror Lk-GauntsBk)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
19	02040202020030-01	Rancocas Ck NB (incl Mirror Lk-GauntsBk)	Copper	Urban Runoff/Storm Sewers				5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
19	02040202020030-01	Rancocas Ck NB (incl Mirror Lk-GauntsBk)	Arsenic					5
19	02040202020030-01	Rancocas Ck NB (incl Mirror Lk-GauntsBk)	pH					5
19	02040202020030-01	Rancocas Ck NB (incl Mirror Lk-GauntsBk)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
19	02040202020030-01	Rancocas Ck NB (incl Mirror Lk-GauntsBk)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
19	02040202020030-01	Rancocas Ck NB (incl Mirror Lk-GauntsBk)	Lead	Atmospheric Depositon - Toxics				5
19	02040202020040-01	Rancocas Ck NB (NL dam to Mirror Lk)	Copper					5
19	02040202020040-01	Rancocas Ck NB (NL dam to Mirror Lk)	pH	Agriculture	Urban Runoff/Storm Sewers			5
19	02040202020040-01	Rancocas Ck NB (NL dam to Mirror Lk)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
19	02040202020040-01	Rancocas Ck NB (NL dam to Mirror Lk)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			5
19	02040202020040-01	Rancocas Ck NB (NL dam to Mirror Lk)	Arsenic					5
19	02040202040010-01	Rancocas Ck NB (Pemberton br to NL dam)	pH					5
19	02040202040010-01	Rancocas Ck NB (Pemberton br to NL dam)	Copper					5
19	02040202040010-01	Rancocas Ck NB (Pemberton br to NL dam)	Arsenic	Agriculture				5
19	02040202040030-01	Rancocas Ck NB (Rt 206 to Pemberton br)	Phosphorus	Urban Runoff/Storm Sewers	Municipal Point Source Discharges	Package Plant or Other Permitted Small Flows Discharges	Agriculture	5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
19	02040202040030-01	Rancocas Ck NB (Rt 206 to Pemberton br)	Copper					5
19	02040202040030-01	Rancocas Ck NB (Rt 206 to Pemberton br)	Arsenic	Municipal Point Source Discharges	Agriculture	Urban Runoff/Storm Sewers		5
19	02040202040040-01	Rancocas Ck NB (Smithville to Rt 206)	Turbidity					5
19	02040202040040-01	Rancocas Ck NB (Smithville to Rt 206)	Phosphorus	Package Plant or Other Permitted Small Flows Discharges	Agriculture	Urban Runoff/Storm Sewers		5
19	02040202040040-01	Rancocas Ck NB (Smithville to Rt 206)	Arsenic	Agriculture	Urban Runoff/Storm Sewers			5
19	02040202050060-01	Rancocas Ck SB (above Friendship Ck)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
19	02040202050060-01	Rancocas Ck SB (above Friendship Ck)	Phosphorus	Agriculture				5
19	02040202050060-01	Rancocas Ck SB (above Friendship Ck)	pH	Agriculture				5
19	02040202050060-01	Rancocas Ck SB (above Friendship Ck)	E. Coli	Agriculture				5
19	02040202050060-01	Rancocas Ck SB (above Friendship Ck)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
19	02040202050060-01	Rancocas Ck SB (above Friendship Ck)	Arsenic	Agriculture				5
19	02040202070030-01	Rancocas Ck SB (below Rt 38)	Phosphorus					5
19	02040202070030-01	Rancocas Ck SB (below Rt 38)	Arsenic	Agriculture	Urban Runoff/Storm Sewers			5
19	02040202070030-01	Rancocas Ck SB (below Rt 38)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			5
19	02040202070030-01	Rancocas Ck SB (below Rt 38)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
19	02040202070030-01	Rancocas Ck SB (below Rt 38)	Dissolved Oxygen					5
19	02040202050090-01	Rancocas Ck SB (BobbysRun to Vincentown)	Arsenic	Industrial Point Source Discharge	Agriculture	Urban Runoff/Storm Sewers		5
19	02040202050090-01	Rancocas Ck SB (BobbysRun to Vincentown)	pH	Industrial Point Source Discharge	Package Plant or Other Permitted Small Flows Discharges	Agriculture	Urban Runoff/Storm Sewers	5
19	02040202050090-01	Rancocas Ck SB (BobbysRun to Vincentown)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
19	02040202050090-01	Rancocas Ck SB (BobbysRun to Vincentown)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
19	02040202050090-01	Rancocas Ck SB (BobbysRun to Vincentown)	Phosphorus	Industrial Point Source Discharge	Package Plant or Other Permitted Small Flows Discharges	Agriculture	Urban Runoff/Storm Sewers	5
19	02040202070020-01	Rancocas Ck SB (Rt 38 to Bobbys Run)	Dissolved Oxygen					5
19	02040202070020-01	Rancocas Ck SB (Rt 38 to Bobbys Run)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			5
19	02040202070020-01	Rancocas Ck SB (Rt 38 to Bobbys Run)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			5
19	02040202070020-01	Rancocas Ck SB (Rt 38 to Bobbys Run)	Arsenic	Agriculture	Urban Runoff/Storm Sewers			5
19	02040202070020-01	Rancocas Ck SB (Rt 38 to Bobbys Run)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
19	02040202050080-01	Rancocas Ck SB (Vincentown-FriendshipCk)	Arsenic	Industrial Point Source Discharge	Agriculture			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
19	02040202050080-01	Rancocas Ck SB (Vincentown-FriendshipCk)	Dissolved Oxygen	Industrial Point Source Discharge	Agriculture	Urban Runoff/Storm Sewers		5
19	02040202050080-01	Rancocas Ck SB (Vincentown-FriendshipCk)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
19	02040202050080-01	Rancocas Ck SB (Vincentown-FriendshipCk)	pH	Industrial Point Source Discharge	Agriculture	Urban Runoff/Storm Sewers		5
19	02040202050080-01	Rancocas Ck SB (Vincentown-FriendshipCk)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
19	02040202050080-01	Rancocas Ck SB (Vincentown-FriendshipCk)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			5
19	02040202050080-01	Rancocas Ck SB (Vincentown-FriendshipCk)	Phosphorus	Industrial Point Source Discharge	Agriculture	Urban Runoff/Storm Sewers		5
19	02040202060080-01	Rancocas Ck SW Branch (above Medford br)	Total Suspended Solids	Urban Runoff/Storm Sewers				5
19	02040202060080-01	Rancocas Ck SW Branch (above Medford br)	Nitrate	Municipal Point Source Discharges	Agriculture	Urban Runoff/Storm Sewers		5
19	02040202060080-01	Rancocas Ck SW Branch (above Medford br)	Phosphorus	Municipal Point Source Discharges	Agriculture	Urban Runoff/Storm Sewers		5
19	02040202060080-01	Rancocas Ck SW Branch (above Medford br)	pH	Municipal Point Source Discharges	Agriculture	Urban Runoff/Storm Sewers		5
19	02040202060080-01	Rancocas Ck SW Branch (above Medford br)	Arsenic	Agriculture				5
19	02040202060080-01	Rancocas Ck SW Branch (above Medford br)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
19	02040202060100-01	Rancocas Ck SW Branch (below Medford br)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
19	02040202060100-01	Rancocas Ck SW Branch (below Medford br)	pH	Municipal Point Source Discharges	Agriculture	Urban Runoff/Storm Sewers		5
19	02040202060100-01	Rancocas Ck SW Branch (below Medford br)	Arsenic	Municipal Point Source Discharges	Agriculture	Urban Runoff/Storm Sewers		5
19	02040202060100-01	Rancocas Ck SW Branch (below Medford br)	Phosphorus	Municipal Point Source Discharges	Agriculture	Urban Runoff/Storm Sewers		5
19	02040202060100-01	Rancocas Ck SW Branch (below Medford br)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
19	02040202060100-01	Rancocas Ck SW Branch (below Medford br)	Dissolved Oxygen	Municipal Point Source Discharges	Agriculture	Urban Runoff/Storm Sewers		5
12	02030104910030-01	Raritan Bay (deep water)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104910030-01	Raritan Bay (deep water)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104910030-01	Raritan Bay (deep water)	Total Coliform	Urban Runoff/Storm Sewers				5
12	02030104910030-01	Raritan Bay (deep water)	Benzo(a)Pyrene	Source Unknown				5
12	02030104910030-01	Raritan Bay (deep water)	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers	Municipal Point Source Discharges	Industrial Point Source Discharge	5
12	02030104910030-01	Raritan Bay (deep water)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104910030-01	Raritan Bay (deep water)	Dieldrin	Contaminated Sediments	Source Unknown			5
12	02030104910030-01	Raritan Bay (deep water)	Dioxin	Source Unknown				5
12	02030104910030-01	Raritan Bay (deep water)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Industrial Point Source Discharge			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
12	02030104910010-01	Raritan Bay (west of Thorns Ck)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104910010-01	Raritan Bay (west of Thorns Ck)	Dieldrin	Contaminated Sediments	Source Unknown			5
12	02030104910010-01	Raritan Bay (west of Thorns Ck)	Dioxin	Source Unknown				5
12	02030104910010-01	Raritan Bay (west of Thorns Ck)	Dissolved Oxygen	Urban Runoff/Storm Sewers	Municipal Point Source Discharges	Industrial Point Source Discharge		5
12	02030104910010-01	Raritan Bay (west of Thorns Ck)	Benzo(a)Pyrene	Source Unknown				5
12	02030104910010-01	Raritan Bay (west of Thorns Ck)	Total Coliform	Urban Runoff/Storm Sewers				5
12	02030104910010-01	Raritan Bay (west of Thorns Ck)	pH	Urban Runoff/Storm Sewers				5
12	02030104910010-01	Raritan Bay (west of Thorns Ck)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104910010-01	Raritan Bay (west of Thorns Ck)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
09	02030105160100-01	Raritan R Lwr (below Lawrence Bk)	Total Coliform					5
09	02030105160100-01	Raritan R Lwr (below Lawrence Bk)	Benzo(a)Pyrene	Source Unknown				5
09	02030105160100-01	Raritan R Lwr (below Lawrence Bk)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
09	02030105160100-01	Raritan R Lwr (below Lawrence Bk)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
09	02030105160100-01	Raritan R Lwr (below Lawrence Bk)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
09	02030105160100-01	Raritan R Lwr (below Lawrence Bk)	Heptachlor epoxide	Contaminated Sediments	Source Unknown			5
09	02030105160100-01	Raritan R Lwr (below Lawrence Bk)	Enterococcus					5
09	02030105160100-01	Raritan R Lwr (below Lawrence Bk)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
09	02030105160100-01	Raritan R Lwr (below Lawrence Bk)	Dioxin					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
09	02030105160100-01	Raritan R Lwr (below Lawrence Bk)	Dieldrin	Contaminated Sediments	Source Unknown			5
09	02030105120140-01	Raritan R Lwr (I-287 Piscatway-Millstone)	Benzene					5
09	02030105120140-01	Raritan R Lwr (I-287 Piscatway-Millstone)	Total Suspended Solids					5
09	02030105120140-01	Raritan R Lwr (I-287 Piscatway-Millstone)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
09	02030105120140-01	Raritan R Lwr (I-287 Piscatway-Millstone)	Phosphorus					5
09	02030105120140-01	Raritan R Lwr (I-287 Piscatway-Millstone)	E. Coli					4
09	02030105120140-01	Raritan R Lwr (I-287 Piscatway-Millstone)	Arsenic					5
09	02030105120140-01	Raritan R Lwr (I-287 Piscatway-Millstone)	pH					5
09	02030105120170-01	Raritan R Lwr (Lawrence Bk to Mile Run)	Phosphorus					5
09	02030105120170-01	Raritan R Lwr (Lawrence Bk to Mile Run)	Arsenic	Industrial Point Source Discharge	Urban Runoff/Storm Sewers			5
09	02030105120170-01	Raritan R Lwr (Lawrence Bk to Mile Run)	Benzo(a)Pyrene	Source Unknown				5
09	02030105120170-01	Raritan R Lwr (Lawrence Bk to Mile Run)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
09	02030105120170-01	Raritan R Lwr (Lawrence Bk to Mile Run)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
09	02030105120170-01	Raritan R Lwr (Lawrence Bk to Mile Run)	Dieldrin	Contaminated Sediments	Source Unknown			5
09	02030105120170-01	Raritan R Lwr (Lawrence Bk to Mile Run)	Dioxin					5
09	02030105120170-01	Raritan R Lwr (Lawrence Bk to Mile Run)	Heptachlor epoxide	Contaminated Sediments	Source Unknown			5
09	02030105120170-01	Raritan R Lwr (Lawrence Bk to Mile Run)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Industrial Point Source Discharge			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
09	02030105120170-01	Raritan R Lwr (Lawrence Bk to Mile Run)	pH					5
09	02030105120170-01	Raritan R Lwr (Lawrence Bk to Mile Run)	Enterococcus					5
09	02030105120170-01	Raritan R Lwr (Lawrence Bk to Mile Run)	Temperature					5
09	02030105120170-01	Raritan R Lwr (Lawrence Bk to Mile Run)	Total Suspended Solids					5
09	02030105120170-01	Raritan R Lwr (Lawrence Bk to Mile Run)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
09	02030105120160-01	Raritan R Lwr (MileRun to I-287 Pisctwy)	pH					5
09	02030105120160-01	Raritan R Lwr (MileRun to I-287 Pisctwy)	Temperature					5
09	02030105120160-01	Raritan R Lwr (MileRun to I-287 Pisctwy)	Total Suspended Solids					5
09	02030105120160-01	Raritan R Lwr (MileRun to I-287 Pisctwy)	Arsenic	Natural Sources	Urban Runoff/Storm Sewers			5
09	02030105120160-01	Raritan R Lwr (MileRun to I-287 Pisctwy)	Phosphorus					5
09	02030105120160-01	Raritan R Lwr (MileRun to I-287 Pisctwy)	Benzene	Source Unknown				5
09	02030105120160-01	Raritan R Lwr (MileRun to I-287 Pisctwy)	E. Coli	Urban Runoff/Storm Sewers				4
09	02030105120160-01	Raritan R Lwr (MileRun to I-287 Pisctwy)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
09	02030105080030-01	Raritan R Lwr (Millstone to Rt 206)	Turbidity					5
09	02030105080030-01	Raritan R Lwr (Millstone to Rt 206)	Total Suspended Solids					5
09	02030105080030-01	Raritan R Lwr (Millstone to Rt 206)	Temperature					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
09	02030105080030-01	Raritan R Lwr (Millstone to Rt 206)	Phosphorus					5
09	02030105080030-01	Raritan R Lwr (Millstone to Rt 206)	pH					5
09	02030105080030-01	Raritan R Lwr (Millstone to Rt 206)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
09	02030105080030-01	Raritan R Lwr (Millstone to Rt 206)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
09	02030105080020-01	Raritan R Lwr (Rt 206 to NB / SB)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
09	02030105080020-01	Raritan R Lwr (Rt 206 to NB / SB)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
09	02030105080020-01	Raritan R Lwr (Rt 206 to NB / SB)	pH					5
09	02030105080020-01	Raritan R Lwr (Rt 206 to NB / SB)	Temperature					5
09	02030105080020-01	Raritan R Lwr (Rt 206 to NB / SB)	Turbidity					5
09	02030105080020-01	Raritan R Lwr (Rt 206 to NB / SB)	Phosphorus					5
08	02030105060010-01	Raritan R NB (above/incl India Bk)	E. Coli	Urban Runoff/Storm Sewers				4
08	02030105070030-01	Raritan R NB (below Rt 28)	pH					5
08	02030105070030-01	Raritan R NB (below Rt 28)	E. Coli	Urban Runoff/Storm Sewers				4
08	02030105070030-01	Raritan R NB (below Rt 28)	Arsenic					5
08	02030105060030-01	Raritan R NB (incl McVickers to India Bk)	Dissolved Oxygen	Upstream Impoundments (e.g., Pl-566 NRCS Structures)	Agriculture			5
08	02030105060030-01	Raritan R NB (incl McVickers to India Bk)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
08	02030105060030-01	Raritan R NB (incl McVickers to India Bk)	Temperature					5
08	02030105060070-01	Raritan R NB (incl Mine Bk to Peapack Bk)	Cause Unknown	Source Unknown				5
08	02030105060070-01	Raritan R NB (incl Mine Bk to Peapack Bk)	Arsenic					5
08	02030105060090-01	Raritan R NB (Lamington R to Mine Bk)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
08	02030105060090-01	Raritan R NB (Lamington R to Mine Bk)	Dissolved Oxygen					5
08	02030105060040-01	Raritan R NB (Peapack Bk to McVickers Bk)	Total Suspended Solids					5
08	02030105070010-01	Raritan R NB (Rt 28 to Lamington R)	Cause Unknown	Source Unknown				5
08	02030105070010-01	Raritan R NB (Rt 28 to Lamington R)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
08	02030105070010-01	Raritan R NB (Rt 28 to Lamington R)	Arsenic					5
08	02030105010040-01	Raritan R SB (74d 44m 15s to Rt 46)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
08	02030105010060-01	Raritan R SB (Califon br to Long Valley)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
08	02030105010060-01	Raritan R SB (Califon br to Long Valley)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
08	02030105010060-01	Raritan R SB (Califon br to Long Valley)	pH					5
08	02030105010060-01	Raritan R SB (Califon br to Long Valley)	Temperature					5
08	02030105010060-01	Raritan R SB (Califon br to Long Valley)	Dissolved Oxygen					5
08	02030105010050-01	Raritan R SB (LongValley br to 74d44m15s)	Cause Unknown	Source Unknown				5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
08	02030105010050-01	Raritan R SB (LongValley br to 74d44m15s)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
08	02030105010050-01	Raritan R SB (LongValley br to 74d44m15s)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
08	02030105040040-01	Raritan R SB (NB to Pleasant Run)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			5
08	02030105040040-01	Raritan R SB (NB to Pleasant Run)	Arsenic	Agriculture	Urban Runoff/Storm Sewers			5
08	02030105040040-01	Raritan R SB (NB to Pleasant Run)	pH					5
08	02030105040040-01	Raritan R SB (NB to Pleasant Run)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
08	02030105040010-01	Raritan R SB (Pleasant Run-Three Bridges)	Phosphorus	Industrial Point Source Discharge	Package Plant or Other Permitted Small Flows Discharges	Agriculture	Urban Runoff/Storm Sewers	5
08	02030105040010-01	Raritan R SB (Pleasant Run-Three Bridges)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
08	02030105040010-01	Raritan R SB (Pleasant Run-Three Bridges)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
08	02030105040010-01	Raritan R SB (Pleasant Run-Three Bridges)	Arsenic	Industrial Point Source Discharge	Agriculture	Urban Runoff/Storm Sewers		5
08	02030105020080-01	Raritan R SB (Prescott Bk to River Rd)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
08	02030105020080-01	Raritan R SB (Prescott Bk to River Rd)	Arsenic	Agriculture	Urban Runoff/Storm Sewers			5
08	02030105020080-01	Raritan R SB (Prescott Bk to River Rd)	pH					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
08	02030105020080-01	Raritan R SB (Prescott Bk to River Rd)	Temperature	Package Plant or Other Permitted Small Flows Discharges	Upstream Impoundments (e.g., Pl-566 NRCS Structures)	Urban Runoff/Storm Sewers	Agriculture	5
08	02030105020070-01	Raritan R SB (River Rd to Spruce Run)	Phosphorus					5
08	02030105020070-01	Raritan R SB (River Rd to Spruce Run)	Temperature					5
08	02030105020070-01	Raritan R SB (River Rd to Spruce Run)	Total Suspended Solids					5
08	02030105010080-01	Raritan R SB (Spruce Run-StoneMill gage)	E. Coli	Urban Runoff/Storm Sewers				4
08	02030105010080-01	Raritan R SB (Spruce Run-StoneMill gage)	Temperature	Upstream Impoundments (e.g., Pl-566 NRCS Structures)				5
08	02030105010070-01	Raritan R SB (StoneMill gage to Califon)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
08	02030105010070-01	Raritan R SB (StoneMill gage to Califon)	Arsenic					5
08	02030105010070-01	Raritan R SB (StoneMill gage to Califon)	Cause Unknown	Source Unknown				5
08	02030105020100-01	Raritan R SB (Three Bridges-Prescott Bk)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
08	02030105020100-01	Raritan R SB (Three Bridges-Prescott Bk)	Temperature					5
08	02030105020100-01	Raritan R SB (Three Bridges-Prescott Bk)	Phosphorus					5
08	02030105020100-01	Raritan R SB (Three Bridges-Prescott Bk)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
08	02030105020100-01	Raritan R SB (Three Bridges-Prescott Bk)	pH					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
09	02030105160090-01	Red Root Creek / Crows Mill Creek	Dioxin	Atmospheric Depositon - Toxics	Urban Runoff/Storm Sewers			5
09	02030105160090-01	Red Root Creek / Crows Mill Creek	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
09	02030105160090-01	Red Root Creek / Crows Mill Creek	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
09	02030105160090-01	Red Root Creek / Crows Mill Creek	Heptachlor epoxide	Contaminated Sediments	Source Unknown			5
09	02030105160090-01	Red Root Creek / Crows Mill Creek	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
09	02030105160090-01	Red Root Creek / Crows Mill Creek	Dieldrin	Contaminated Sediments	Source Unknown			5
09	02030105160090-01	Red Root Creek / Crows Mill Creek	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
09	02030105160090-01	Red Root Creek / Crows Mill Creek	Benzo(a)Pyrene	Source Unknown				5
15	02040302010010-01	Reeds Bay / Absecon Bay & tribs	Dissolved Oxygen	Urban Runoff/Storm Sewers	Natural Sources			5
18	02040202140050-01	Repaupo Ck (belowTomlin Sta Rd)/CedarSwamp	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202140050-01	Repaupo Ck (belowTomlin Sta Rd)/CedarSwamp	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Urban Runoff/Storm Sewers	Agriculture		5
13	02040301070040-01	Ridgeway Br (below Hope Chapel Rd)	Arsenic	Natural Sources				5
13	02040301070040-01	Ridgeway Br (below Hope Chapel Rd)	E. Coli	Urban Runoff/Storm Sewers				5
13	02040301070040-01	Ridgeway Br (below Hope Chapel Rd)	pH	Urban Runoff/Storm Sewers	Nps Pollution from Military Base Facilities (Other than Port Facilities)			5
13	02040301070040-01	Ridgeway Br (below Hope Chapel Rd)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
13	02040301070030-01	Ridgeway Br (Hope Chapel Rd to HarrisBr)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
16	02040206210010-01	Riggins Ditch (Moores Beach to East Pt)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
16	02040206210010-01	Riggins Ditch (Moores Beach to East Pt)	Total Coliform	Urban Runoff/Storm Sewers	Package Plant or Other Permitted Small Flows Discharges			4
03	02030103070080-01	Ringwood Creek	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
07	02030104050070-01	Robinsons Br Rahway R (above Lake Ave)	Phosphorus	Urban Runoff/Storm Sewers				5
07	02030104050070-01	Robinsons Br Rahway R (above Lake Ave)	E. Coli	Urban Runoff/Storm Sewers				4
07	02030104050080-01	Robinsons Br Rahway R (below Lake Ave)	Arsenic	Natural Sources	Urban Runoff/Storm Sewers			5
07	02030104050080-01	Robinsons Br Rahway R (below Lake Ave)	E. Coli	Combined Sewer Overflows	Urban Runoff/Storm Sewers			4
07	02030104050080-01	Robinsons Br Rahway R (below Lake Ave)	Phosphorus	Combined Sewer Overflows	Agriculture	Urban Runoff/Storm Sewers		5
10	02030105110060-01	Rock Brook (above Camp Meeting Ave)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
10	02030105110070-01	Rock Brook (below Camp Meeting Ave)	Cause Unknown	Source Unknown				5
10	02030105110070-01	Rock Brook (below Camp Meeting Ave)	Arsenic					5
08	02030105050080-01	Rockaway Ck (above McCrea Mills)	Temperature					5
08	02030105050080-01	Rockaway Ck (above McCrea Mills)	Arsenic					5
08	02030105050090-01	Rockaway Ck (below McCrea Mills)	Phosphorus					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
08	02030105050090-01	Rockaway Ck (below McCrea Mills)	E. Coli					5
08	02030105050090-01	Rockaway Ck (below McCrea Mills)	pH					5
08	02030105050090-01	Rockaway Ck (below McCrea Mills)	Arsenic					5
08	02030105050100-01	Rockaway Ck SB	E. Coli					5
08	02030105050100-01	Rockaway Ck SB	Phosphorus	Package Plant or Other Permitted Small Flows Discharges	Agriculture	Urban Runoff/Storm Sewers		5
08	02030105050100-01	Rockaway Ck SB	Temperature					5
08	02030105050100-01	Rockaway Ck SB	Total Suspended Solids					5
06	02030103030070-01	Rockaway R (74d 33m 30s to Stephens Bk)	E. Coli	Urban Runoff/Storm Sewers				4
06	02030103030070-01	Rockaway R (74d 33m 30s to Stephens Bk)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
06	02030103030030-01	Rockaway R (above Longwood Lake outlet)	pH					5
06	02030103030030-01	Rockaway R (above Longwood Lake outlet)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
06	02030103030030-01	Rockaway R (above Longwood Lake outlet)	E. Coli	Urban Runoff/Storm Sewers				4
06	02030103030090-01	Rockaway R (BM 534 brdg to 74d 33m 30s)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
06	02030103030090-01	Rockaway R (BM 534 brdg to 74d 33m 30s)	E. Coli	Urban Runoff/Storm Sewers				4
06	02030103030150-01	Rockaway R (Boonton dam to Stony Brook)	PCE	Source Unknown				5
06	02030103030150-01	Rockaway R (Boonton dam to Stony Brook)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
06	02030103030150-01	Rockaway R (Boonton dam to Stony Brook)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
06	02030103030150-01	Rockaway R (Boonton dam to Stony Brook)	Arsenic	Natural Sources	Urban Runoff/Storm Sewers			5
06	02030103030150-01	Rockaway R (Boonton dam to Stony Brook)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
06	02030103030150-01	Rockaway R (Boonton dam to Stony Brook)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
06	02030103030170-01	Rockaway R (Passaic R to Boonton dam)	Dissolved Oxygen					5
06	02030103030170-01	Rockaway R (Passaic R to Boonton dam)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
06	02030103030170-01	Rockaway R (Passaic R to Boonton dam)	Phosphorus					4
06	02030103030170-01	Rockaway R (Passaic R to Boonton dam)	E. Coli	Urban Runoff/Storm Sewers				4
06	02030103030170-01	Rockaway R (Passaic R to Boonton dam)	PCE	Source Unknown				5
06	02030103030040-01	Rockaway R (Stephens Bk to Longwood Lk)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
06	02030103030040-01	Rockaway R (Stephens Bk to Longwood Lk)	Cause Unknown	Source Unknown	Agriculture	Urban Runoff/Storm Sewers		5
06	02030103030040-01	Rockaway R (Stephens Bk to Longwood Lk)	E. Coli					4
06	02030103030140-01	Rockaway R (Stony Brook to BM 534 brdg)	PCE	Source Unknown				5
06	02030103030140-01	Rockaway R (Stony Brook to BM 534 brdg)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
06	02030103030140-01	Rockaway R (Stony Brook to BM 534 brdg)	Arsenic	Natural Sources	Urban Runoff/Storm Sewers			5
06	02030103030140-01	Rockaway R (Stony Brook to BM 534 brdg)	Cause Unknown	Source Unknown				5
10	02030105100040-01	Rocky Brook (above Monmouth Co line)	Arsenic	Industrial Point Source Discharge	Agriculture	Urban Runoff/Storm Sewers		5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
10	02030105100050-01	Rocky Brook (below Monmouth Co line)	Dissolved Oxygen					5
10	02030105100050-01	Rocky Brook (below Monmouth Co line)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
10	02030105100050-01	Rocky Brook (below Monmouth Co line)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
10	02030105100050-01	Rocky Brook (below Monmouth Co line)	Arsenic	Industrial Point Source Discharge	Municipal Point Source Discharges	Agriculture	Urban Runoff/Storm Sewers	5
10	02030105100050-01	Rocky Brook (below Monmouth Co line)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
10	02030105100050-01	Rocky Brook (below Monmouth Co line)	Phosphorus	Industrial Point Source Discharge	Municipal Point Source Discharges	Agriculture	Urban Runoff/Storm Sewers	5
10	02030105100050-01	Rocky Brook (below Monmouth Co line)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
10	02030105110150-01	Royce Brook (above Branch Royce Brook)	Cause Unknown	Source Unknown				5
10	02030105110150-01	Royce Brook (above Branch Royce Brook)	E. Coli					5
10	02030105110160-01	Royce Brook (below/incl Branch Royce Bk)	Cause Unknown	Source Unknown	Package Plant or Other Permitted Small Flows Discharges	Urban Runoff/Storm Sewers	Agriculture	5
10	02030105110160-01	Royce Brook (below/incl Branch Royce Bk)	E. Coli					5
06	02030103030010-01	Russia Brook (above Milton)	Temperature					5
04	02030103140040-01	Saddle River (above Ridgewood gage)	pH					5
04	02030103140040-01	Saddle River (above Ridgewood gage)	Total Suspended Solids					5
04	02030103140040-01	Saddle River (above Ridgewood gage)	E. Coli	Urban Runoff/Storm Sewers				4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
04	02030103140070-01	Saddle River (below Lodi gage)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
04	02030103140070-01	Saddle River (below Lodi gage)	Phosphorus	Industrial Point Source Discharge	Urban Runoff/Storm Sewers			5
04	02030103140070-01	Saddle River (below Lodi gage)	Total Dissolved Solids					5
04	02030103140070-01	Saddle River (below Lodi gage)	Total Suspended Solids					5
04	02030103140070-01	Saddle River (below Lodi gage)	E. Coli	Urban Runoff/Storm Sewers				4
04	02030103140070-01	Saddle River (below Lodi gage)	Dioxin	Atmospheric Depositon - Toxics	Urban Runoff/Storm Sewers			5
04	02030103140070-01	Saddle River (below Lodi gage)	Arsenic	Industrial Point Source Discharge	Urban Runoff/Storm Sewers			5
04	02030103140080-01	Saddle River (Hohokus to Ridgewood gage)	Arsenic					5
04	02030103140080-01	Saddle River (Hohokus to Ridgewood gage)	E. Coli					4
04	02030103140080-01	Saddle River (Hohokus to Ridgewood gage)	pH					5
04	02030103140080-01	Saddle River (Hohokus to Ridgewood gage)	Phosphorus					5
04	02030103140080-01	Saddle River (Hohokus to Ridgewood gage)	Total Suspended Solids					5
04	02030103140060-01	Saddle River (Lodi gage to Rt 4)	Arsenic	Industrial Point Source Discharge	Urban Runoff/Storm Sewers			5
04	02030103140060-01	Saddle River (Lodi gage to Rt 4)	E. Coli	Urban Runoff/Storm Sewers				4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
04	02030103140060-01	Saddle River (Lodi gage to Rt 4)	Phosphorus					5
04	02030103140060-01	Saddle River (Lodi gage to Rt 4)	Total Dissolved Solids					5
04	02030103140060-01	Saddle River (Lodi gage to Rt 4)	Total Suspended Solids					5
04	02030103140050-01	Saddle River (Rt 4 to Hohokus)	Arsenic					5
04	02030103140050-01	Saddle River (Rt 4 to Hohokus)	E. Coli					4
04	02030103140050-01	Saddle River (Rt 4 to Hohokus)	Phosphorus					5
04	02030103140050-01	Saddle River (Rt 4 to Hohokus)	pH					5
17	02040206030080-01	Salem Canal	Temperature					5
17	02040206030080-01	Salem Canal	Dissolved Oxygen					5
17	02040206030080-01	Salem Canal	Phosphorus					5
17	02040206030060-01	Salem R (39-40-14 dam-CoursesLndg)/Canal	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			5
17	02040206030060-01	Salem R (39-40-14 dam-CoursesLndg)/Canal	pH					5
17	02040206030060-01	Salem R (39-40-14 dam-CoursesLndg)/Canal	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206030060-01	Salem R (39-40-14 dam-CoursesLndg)/Canal	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
17	02040206030060-01	Salem R (39-40-14 dam-CoursesLndg)/Canal	Dissolved Oxygen					5
17	02040206030060-01	Salem R (39-40-14 dam-CoursesLndg)/Canal	Total Suspended Solids					5
17	02040206030010-01	Salem R (above Woodstown gage)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
17	02040206030010-01	Salem R (above Woodstown gage)	pH	Agriculture	Urban Runoff/Storm Sewers			5
17	02040206030010-01	Salem R (above Woodstown gage)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			4
17	02040206030010-01	Salem R (above Woodstown gage)	Total Suspended Solids					5
17	02040206040040-01	Salem R (below Fenwick Creek)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206030030-01	Salem R (CountyHomeRd to Woodstown gage)	pH	Package Plant or Other Permitted Small Flows Discharges	Agriculture	Urban Runoff/Storm Sewers		5
17	02040206030030-01	Salem R (CountyHomeRd to Woodstown gage)	Phosphorus	Package Plant or Other Permitted Small Flows Discharges	Agriculture	Urban Runoff/Storm Sewers		5
17	02040206030030-01	Salem R (CountyHomeRd to Woodstown gage)	Dissolved Oxygen					5
17	02040206030040-01	Salem R (CoursesLanding to CountyHomeRd)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			5
17	02040206030040-01	Salem R (CoursesLanding to CountyHomeRd)	Dissolved Oxygen	Agriculture				5
17	02040206030040-01	Salem R (CoursesLanding to CountyHomeRd)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
17	02040206030040-01	Salem R (CoursesLanding to CountyHomeRd)	pH	Agriculture				5
17	02040206030040-01	Salem R (CoursesLanding to CountyHomeRd)	Arsenic	Agriculture				5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
17	02040206030040-01	Salem R (CoursesLanding to CountyHomeRd)	Total Suspended Solids					5
17	02040206030040-01	Salem R (CoursesLanding to CountyHomeRd)	Turbidity					5
17	02040206040030-01	Salem R (Fenwick Ck to 39d40m14s dam)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206040030-01	Salem R (Fenwick Ck to 39d40m14s dam)	E. Coli					4
12	02030104910020-01	Sandy Hook Bay (east of Thorns Ck)	Benzo(a)Pyrene	Source Unknown				5
12	02030104910020-01	Sandy Hook Bay (east of Thorns Ck)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104910020-01	Sandy Hook Bay (east of Thorns Ck)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104910020-01	Sandy Hook Bay (east of Thorns Ck)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104910020-01	Sandy Hook Bay (east of Thorns Ck)	Dioxin	Source Unknown				5
12	02030104910020-01	Sandy Hook Bay (east of Thorns Ck)	Cause Unknown	Source Unknown				5
12	02030104910020-01	Sandy Hook Bay (east of Thorns Ck)	Dieldrin	Contaminated Sediments	Source Unknown			5
12	02030104910020-01	Sandy Hook Bay (east of Thorns Ck)	Total Coliform	Urban Runoff/Storm Sewers				5
16	02040206210050-01	Savages Run (above East Creek Pond)	Cause Unknown	Source Unknown				5
16	02040206210050-01	Savages Run (above East Creek Pond)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
17	02040206130010-01	Scotland Run (above Fries Mill)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
17	02040206130040-01	Scotland Run (below Delsea Drive)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
08	02030105030020-01	Second Neshanic River	Cause Unknown	Source Unknown				5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
04	02030103150020-01	Second River	Phosphorus					5
04	02030103150020-01	Second River	pH					5
04	02030103150020-01	Second River	E. Coli	Combined Sewer Overflows	Urban Runoff/Storm Sewers			5
11	02040105240010-01	Shabakunk Creek	Arsenic					5
11	02040105240010-01	Shabakunk Creek	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
11	02040105240010-01	Shabakunk Creek	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
11	02040105240010-01	Shabakunk Creek	Phosphorus					5
11	02040105240020-01	Shabakunk Creek WB	Cause Unknown	Source Unknown				5
11	02040105240020-01	Shabakunk Creek WB	Arsenic					5
11	02040105240020-01	Shabakunk Creek WB	E. Coli	Urban Runoff/Storm Sewers				4
11	02040105240020-01	Shabakunk Creek WB	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
20	02040201070030-01	Shady Brook/Spring Lake/Rowan Lake	Phosphorus					4
20	02040201070030-01	Shady Brook/Spring Lake/Rowan Lake	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Urban Runoff/Storm Sewers			5
20	02040201070030-01	Shady Brook/Spring Lake/Rowan Lake	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
10	02030105100100-01	Shallow Brook (Devils Brook)	Cause Unknown	Source Unknown				5
13	02040301070010-01	Shannae Brook	pH	Urban Runoff/Storm Sewers	Agriculture			5
13	02040301070010-01	Shannae Brook	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
12	02030104090040-01	Shark River (above Remsen Mill gage)	E. Coli	Urban Runoff/Storm Sewers				4
12	02030104090040-01	Shark River (above Remsen Mill gage)	Arsenic	Urban Runoff/Storm Sewers	Agriculture	Landfill		5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
12	02030104090040-01	Shark River (above Remsen Mill gage)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104090040-01	Shark River (above Remsen Mill gage)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
12	02030104090040-01	Shark River (above Remsen Mill gage)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104090040-01	Shark River (above Remsen Mill gage)	Phosphorus	Urban Runoff/Storm Sewers	Agriculture			4
12	02030104090040-01	Shark River (above Remsen Mill gage)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104090060-01	Shark River (below Remsen Mill gage)	Dissolved Oxygen	Urban Runoff/Storm Sewers				5
12	02030104090060-01	Shark River (below Remsen Mill gage)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104090060-01	Shark River (below Remsen Mill gage)	Enterococcus	Urban Runoff/Storm Sewers				4
12	02030104090060-01	Shark River (below Remsen Mill gage)	Total Coliform	Urban Runoff/Storm Sewers				4
12	02030104090060-01	Shark River (below Remsen Mill gage)	E. Coli	Urban Runoff/Storm Sewers				4
12	02030104090060-01	Shark River (below Remsen Mill gage)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104090060-01	Shark River (below Remsen Mill gage)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Urban Runoff/Storm Sewers			5
01	02040104090030-01	Shimers Brook	Temperature	Upstream Impoundments (e.g., Pl-566 NRCS Structures)				5
01	02040104090030-01	Shimers Brook	Arsenic					5
01	02040104090030-01	Shimers Brook	Phosphorus					5
11	02040105230060-01	Shipetaukin Creek	E. Coli	Agriculture	Urban Runoff/Storm Sewers			5
11	02040105230060-01	Shipetaukin Creek	Dissolved Oxygen					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
12	02030104080040-01	Shrewsbury River (above Navesink River)	Total Coliform	Urban Runoff/Storm Sewers				4
12	02030104080040-01	Shrewsbury River (above Navesink River)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Urban Runoff/Storm Sewers			5
12	02030104080040-01	Shrewsbury River (above Navesink River)	Enterococcus	Urban Runoff/Storm Sewers				4
12	02030104080040-01	Shrewsbury River (above Navesink River)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104080040-01	Shrewsbury River (above Navesink River)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
10	02030105110120-01	Sixmile Run (above Middlebush Rd)	E. Coli					5
10	02030105110120-01	Sixmile Run (above Middlebush Rd)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			5
10	02030105110130-01	Sixmile Run (below Middlebush Rd)	Phosphorus					5
14	02040301150020-01	Skit Branch (Batsto River)	Arsenic	Source Unknown				5
14	02040301150020-01	Skit Branch (Batsto River)	Lead	Source Unknown				5
14	02040301160170-01	Sleeper Branch	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
14	02040301160170-01	Sleeper Branch	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
14	02040301160170-01	Sleeper Branch	Mercury in Fish Tissue	Rcra Hazardous Waste Sites	Atmospheric Depositon - Toxics			5
14	02040301160060-01	Sleeper Branch (Rt 206 to Tremont Ave)	Arsenic	Natural Sources				5
14	02040301160060-01	Sleeper Branch (Rt 206 to Tremont Ave)	pH	Urban Runoff/Storm Sewers	Agriculture			5
06	02030103010190-01	Slough Brook	Arsenic					5
06	02030103010190-01	Slough Brook	Total Dissolved Solids					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
06	02030103010190-01	Slough Brook	E. Coli					4
06	02030103010190-01	Slough Brook	Cause Unknown	Source Unknown				5
16	02040206220020-01	Sluice Creek	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
09	02030105120080-01	South Fork of Bound Brook	E. Coli	Urban Runoff/Storm Sewers				4
09	02030105120080-01	South Fork of Bound Brook	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
09	02030105120080-01	South Fork of Bound Brook	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
09	02030105120080-01	South Fork of Bound Brook	Phosphorus	Industrial Point Source Discharge	Agriculture	Urban Runoff/Storm Sewers		5
15	02040302050030-01	South River (above 39d26m15s)	Arsenic	Agriculture				5
15	02040302050030-01	South River (above 39d26m15s)	Dissolved Oxygen	Urban Runoff/Storm Sewers	Agriculture			5
15	02040302050030-01	South River (above 39d26m15s)	E. Coli	Urban Runoff/Storm Sewers	Agriculture			4
15	02040302050030-01	South River (above 39d26m15s)	pH	Urban Runoff/Storm Sewers	Agriculture			5
15	02040302050040-01	South River (below 39d26m15s)	Arsenic	Natural Sources				5
15	02040302050040-01	South River (below 39d26m15s)	Total Coliform	Urban Runoff/Storm Sewers				4
15	02040302050040-01	South River (below 39d26m15s)	pH	Urban Runoff/Storm Sewers	Agriculture			5
15	02040302050040-01	South River (below 39d26m15s)	E. Coli	Urban Runoff/Storm Sewers	Agriculture			4
09	02030105160070-01	South River (below Duhernal Lake)	Cadmium					5
09	02030105160070-01	South River (below Duhernal Lake)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
09	02030105160070-01	South River (below Duhernal Lake)	Arsenic	Industrial Point Source Discharge	Urban Runoff/Storm Sewers			5
09	02030105160070-01	South River (below Duhernal Lake)	Chromium					5
09	02030105160070-01	South River (below Duhernal Lake)	Copper					5
09	02030105160070-01	South River (below Duhernal Lake)	Dioxin	Atmospheric Depositon - Toxics	Agriculture	Urban Runoff/Storm Sewers		5
09	02030105160070-01	South River (below Duhernal Lake)	Lead	Urban Runoff/Storm Sewers	Industrial Point Source Discharge			5
09	02030105160070-01	South River (below Duhernal Lake)	Mercury in Water Column	Atmospheric Depositon - Toxics	Industrial Point Source Discharge			5
20	02040201040020-01	South Run (above 74d35m) (Ft Dix)	pH					5
20	02040201040030-01	South Run (Jumping Brook to 74d35m)	pH	Municipal Point Source Discharges	Agriculture	Urban Runoff/Storm Sewers		5
20	02040201040030-01	South Run (Jumping Brook to 74d35m)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			5
20	02040201040030-01	South Run (Jumping Brook to 74d35m)	Arsenic					5
20	02040201040050-01	South Run (North Run to Jumping Brook)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Agriculture	Urban Runoff/Storm Sewers		5
20	02040201040050-01	South Run (North Run to Jumping Brook)	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			5
05	02030101170020-01	Sparkill Brook	E. Coli					5
05	02030101170020-01	Sparkill Brook	Arsenic					5
05	02030101170020-01	Sparkill Brook	Phosphorus	Industrial Point Source Discharge	Urban Runoff/Storm Sewers			5
01	02040105040050-01	Sparta Junction tribs	Temperature					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
09	02030105120090-01	Spring Lake Fork of Bound Brook	Phosphorus	Urban Runoff/Storm Sewers				5
09	02030105120090-01	Spring Lake Fork of Bound Brook	E. Coli	Urban Runoff/Storm Sewers				4
09	02030105120090-01	Spring Lake Fork of Bound Brook	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
14	02040301150040-01	Springers Brook / Deep Run	pH	Agriculture	Urban Runoff/Storm Sewers			5
14	02040301150040-01	Springers Brook / Deep Run	Arsenic	Agriculture	Urban Runoff/Storm Sewers			5
08	02030105020010-01	Spruce Run (above Glen Gardner)	Temperature					5
08	02030105020010-01	Spruce Run (above Glen Gardner)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
08	02030105020020-01	Spruce Run (Reservior to Glen Gardner)	Temperature					5
08	02030105020020-01	Spruce Run (Reservior to Glen Gardner)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
08	02030105020040-01	Spruce Run Reservior / Willoughby Brook	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			5
08	02030105020040-01	Spruce Run Reservior / Willoughby Brook	pH	Upstream Impoundments (e.g., Pl-566 NRCS Structures)	Agriculture	Urban Runoff/Storm Sewers		5
08	02030105020040-01	Spruce Run Reservior / Willoughby Brook	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
08	02030105020040-01	Spruce Run Reservior / Willoughby Brook	Temperature					5
15	02040302030050-01	Squankum Branch (GEHR)	pH	Urban Runoff/Storm Sewers	Agriculture			5
15	02040302030050-01	Squankum Branch (GEHR)	E. Coli	Urban Runoff/Storm Sewers				4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
15	02040302030050-01	Squankum Branch (GEHR)	Mercury in Water Column	Rcra Hazardous Waste Sites	Contaminated Sediments			5
15	02040302030050-01	Squankum Branch (GEHR)	Arsenic	Natural Sources				5
15	02040302050080-01	Stephen Creek (GEHR)	Arsenic	Natural Sources				5
15	02040302050080-01	Stephen Creek (GEHR)	pH	Urban Runoff/Storm Sewers	Agriculture			5
15	02040302050080-01	Stephen Creek (GEHR)	Total Coliform	Urban Runoff/Storm Sewers				4
15	02040302050080-01	Stephen Creek (GEHR)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
15	02040302050080-01	Stephen Creek (GEHR)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206120050-01	Still Run (WillowGroveLk - SilverLakeRd)	Cause Unknown	Source Unknown				5
18	02040202140020-01	Still Run/London Br(above Tomlin Sta Rd)	Phosphorus					5
18	02040202140020-01	Still Run/London Br(above Tomlin Sta Rd)	Arsenic					5
18	02040202140020-01	Still Run/London Br(above Tomlin Sta Rd)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
03	02030103050070-01	Stone House Brook	Temperature					5
10	02030105090020-01	Stony Bk (74d 48m 10s to 74d 49m 15s)	Arsenic					5
10	02030105090020-01	Stony Bk (74d 48m 10s to 74d 49m 15s)	Dissolved Oxygen					5
10	02030105090020-01	Stony Bk (74d 48m 10s to 74d 49m 15s)	E. Coli					5
10	02030105090040-01	Stony Bk (74d46m dam to/incl Baldwins Ck)	E. Coli					5
10	02030105090010-01	Stony Bk (above 74d 49m 15s)	E. Coli					5
10	02030105090030-01	Stony Bk (Baldwins Ck to 74d 48m 10s)	E. Coli					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
10	02030105090070-01	Stony Bk (Harrison St to Rt 206)	Arsenic					5
10	02030105090070-01	Stony Bk (Harrison St to Rt 206)	Phosphorus					5
10	02030105090070-01	Stony Bk (Harrison St to Rt 206)	E. Coli					4
10	02030105090050-01	Stony Bk (Province Line Rd to 74d46m dam)	Arsenic	Industrial Point Source Discharge	Agriculture	Urban Runoff/Storm Sewers		5
10	02030105090050-01	Stony Bk (Province Line Rd to 74d46m dam)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
10	02030105090050-01	Stony Bk (Province Line Rd to 74d46m dam)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
10	02030105090050-01	Stony Bk (Province Line Rd to 74d46m dam)	Phosphorus	Industrial Point Source Discharge	Package Plant or Other Permitted Small Flows Discharges	Agriculture	Urban Runoff/Storm Sewers	5
10	02030105090060-01	Stony Bk (Rt 206 to Province Line Rd)	Phosphorus	Package Plant or Other Permitted Small Flows Discharges	Agriculture	Urban Runoff/Storm Sewers		5
10	02030105090060-01	Stony Bk (Rt 206 to Province Line Rd)	Arsenic	Urban Runoff/Storm Sewers				5
10	02030105090060-01	Stony Bk (Rt 206 to Province Line Rd)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
10	02030105090090-01	Stony Bk- Princeton drainage	Phosphorus					5
10	02030105090090-01	Stony Bk- Princeton drainage	Arsenic					5
06	02030103030130-01	Stony Brook (Boonton)	E. Coli	Urban Runoff/Storm Sewers				4
06	02030103030130-01	Stony Brook (Boonton)	Dissolved Oxygen					5
06	02030103030130-01	Stony Brook (Boonton)	Mercury in Water Column					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
06	02030103030130-01	Stony Brook (Boonton)	Arsenic					5
09	02030105120030-01	Stony Brook (North Plainfield)	Cause Unknown	Source Unknown				5
09	02030105120030-01	Stony Brook (North Plainfield)	E. Coli	Urban Runoff/Storm Sewers				4
09	02030105120030-01	Stony Brook (North Plainfield)	Arsenic					5
17	02040206070050-01	Stow Creek (above Jericho Road)	Cause Unknown	Source Unknown				5
17	02040206070080-01	Stow Creek (below Canton Rd)	Dissolved Oxygen					5
17	02040206070080-01	Stow Creek (below Canton Rd)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206070060-01	Stow Creek (Canton Road to Jericho Road)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
17	02040206070060-01	Stow Creek (Canton Road to Jericho Road)	Dissolved Oxygen					5
11	02040105210030-01	Swan Creek (Moore Ck to Alexauken Ck)	E. Coli					5
01	02040105030020-01	Swartswood Lake and tribs	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
01	02040105030020-01	Swartswood Lake and tribs	Phosphorus					4
01	02040105030020-01	Swartswood Lake and tribs	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
01	02040105030020-01	Swartswood Lake and tribs	Arsenic					5
01	02040105030020-01	Swartswood Lake and tribs	Temperature					5
01	02040105030010-01	Swartswood trib(41-06-06 thru Lk Owassa)	pH					5
18	02040202090010-01	Swede Run	Arsenic	Agriculture				5
18	02040202090010-01	Swede Run	E. Coli					5
18	02040202090010-01	Swede Run	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
18	02040202090010-01	Swede Run	Dissolved Oxygen	Agriculture	Urban Runoff/Storm Sewers			5
12	02030104070070-01	Swimming River Reservior / Slope Bk	Phosphorus	Urban Runoff/Storm Sewers	Agriculture			5
12	02030104070070-01	Swimming River Reservior / Slope Bk	Total Suspended Solids	Urban Runoff/Storm Sewers	Agriculture			5
12	02030104070070-01	Swimming River Reservior / Slope Bk	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104070070-01	Swimming River Reservior / Slope Bk	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
12	02030104070070-01	Swimming River Reservior / Slope Bk	E. Coli	Urban Runoff/Storm Sewers				4
12	02030104070070-01	Swimming River Reservior / Slope Bk	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104070070-01	Swimming River Reservior / Slope Bk	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
15	02040302070050-01	Tarkiln Brook (Tuckahoe River)	pH	Agriculture				5
05	02030103170040-01	Tenakill Brook	Total Suspended Solids					5
05	02030103170040-01	Tenakill Brook	Phosphorus					5
05	02030103170040-01	Tenakill Brook	pH					5
05	02030103170040-01	Tenakill Brook	E. Coli	Urban Runoff/Storm Sewers				4
05	02030103170040-01	Tenakill Brook	Arsenic	Industrial Point Source Discharge	Urban Runoff/Storm Sewers			5
08	02030105030040-01	Third Neshanic River	Dissolved Oxygen	Transfer of Water from an Outside Watershed	Agriculture	Urban Runoff/Storm Sewers		5
08	02030105030040-01	Third Neshanic River	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
04	02030103150010-01	Third River	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
04	02030103150010-01	Third River	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
04	02030103150010-01	Third River	Phosphorus					5
04	02030103150010-01	Third River	Dioxin	Atmospheric Depositon - Toxics	Agriculture	Urban Runoff/Storm Sewers		5
04	02030103150010-01	Third River	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
04	02030103150010-01	Third River	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
15	02040302040060-01	Three Pond Branch (Hospitality Branch)	Arsenic	Urban Runoff/Storm Sewers				5
13	BarnegatBay04	Toms R Estuary	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
13	BarnegatBay04	Toms R Estuary	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Contaminated Sediments			5
13	BarnegatBay04	Toms R Estuary	Enterococcus	Urban Runoff/Storm Sewers				4
13	BarnegatBay04	Toms R Estuary	Dissolved Oxygen	Urban Runoff/Storm Sewers	Agriculture			5
13	BarnegatBay04	Toms R Estuary	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
13	BarnegatBay04	Toms R Estuary	Total Coliform	Urban Runoff/Storm Sewers				4
13	BarnegatBay04	Toms R Estuary	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
13	02040301060020-01	Toms River (74-22-30 rd to FrancisMills)	Arsenic	Urban Runoff/Storm Sewers				5
13	02040301060020-01	Toms River (74-22-30 rd to FrancisMills)	E. Coli	Urban Runoff/Storm Sewers				4
13	02040301060010-01	Toms River (above Francis Mills)	Dissolved Oxygen	Urban Runoff/Storm Sewers	Impervious Surface/Parking Lot Runoff			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
13	02040301060010-01	Toms River (above Francis Mills)	Phosphorus	Urban Runoff/Storm Sewers	Impervious Surface/Parking Lot Runoff	Agriculture		5
13	02040301060010-01	Toms River (above Francis Mills)	E. Coli	Urban Runoff/Storm Sewers	Impervious Surface/Parking Lot Runoff			4
13	02040301060030-01	Toms River (Bowman Rd to 74-22-30 road)	Temperature	Urban Runoff/Storm Sewers	Loss of Riparian Habitat			5
13	02040301060030-01	Toms River (Bowman Rd to 74-22-30 road)	Arsenic	Urban Runoff/Storm Sewers				5
13	02040301060030-01	Toms River (Bowman Rd to 74-22-30 road)	E. Coli	Urban Runoff/Storm Sewers				4
13	02040301060060-01	Toms River (Hope Chapel Rd to Bowman Rd)	E. Coli	Urban Runoff/Storm Sewers				4
13	02040301060080-01	Toms River (Oak Ridge Parkway to Rt 70)	E. Coli	Urban Runoff/Storm Sewers				4
13	02040301060080-01	Toms River (Oak Ridge Parkway to Rt 70)	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers			5
13	02040301080060-01	Toms River Lwr (Rt 166 to Oak Ridge Pkwy)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
13	02040301080060-01	Toms River Lwr (Rt 166 to Oak Ridge Pkwy)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
13	02040301080060-01	Toms River Lwr (Rt 166 to Oak Ridge Pkwy)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
13	02040301080060-01	Toms River Lwr (Rt 166 to Oak Ridge Pkwy)	E. Coli	Urban Runoff/Storm Sewers				4
13	02040301080060-01	Toms River Lwr (Rt 166 to Oak Ridge Pkwy)	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers			5
13	02040301080060-01	Toms River Lwr (Rt 166 to Oak Ridge Pkwy)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
01	02040105030030-01	Trout Brook	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
01	02040105070050-01	Trout Brook / Lake Tranquility	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
01	02040105070050-01	Trout Brook / Lake Tranquility	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
01	02040105070050-01	Trout Brook / Lake Tranquility	pH					5
06	02030103020080-01	Troy Brook (above Reynolds Ave)	Phosphorus					4
06	02030103020080-01	Troy Brook (above Reynolds Ave)	Cause Unknown	Source Unknown				5
06	02030103020080-01	Troy Brook (above Reynolds Ave)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
06	02030103020090-01	Troy Brook (below Reynolds Ave)	Cause Unknown	Source Unknown				5
15	02040302070020-01	Tuckahoe River (39d19m52s to Cumberland Ave)	pH	Urban Runoff/Storm Sewers	Unspecified Land Disturbance	Agriculture		5
15	02040302070010-01	Tuckahoe River (above Cumberland Ave)	pH	Urban Runoff/Storm Sewers	Agriculture			5
15	02040302070110-01	Tuckahoe River (below Rt 49)	Total Coliform	Urban Runoff/Storm Sewers	Agriculture			4
15	02040302070120-01	Tuckahoe River (lower)	Total Coliform	Urban Runoff/Storm Sewers	Agriculture			4
15	02040302070040-01	Tuckahoe River (Rt 49 to 39d19m52s)	Arsenic	Natural Sources				5
15	02040302070040-01	Tuckahoe River (Rt 49 to 39d19m52s)	Dissolved Oxygen	Natural Sources				5
15	02040302070040-01	Tuckahoe River (Rt 49 to 39d19m52s)	pH	Urban Runoff/Storm Sewers	Unspecified Land Disturbance	Agriculture		5
13	02040301140030-01	Tuckerton Creek (below Mill Branch)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
13	02040301140030-01	Tuckerton Creek (below Mill Branch)	Phosphorus	Urban Runoff/Storm Sewers				4
13	02040301140030-01	Tuckerton Creek (below Mill Branch)	Total Coliform	Urban Runoff/Storm Sewers				4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
14	02040301190060-01	Tulpehocken Creek	Cause Unknown	Source Unknown				5
01	02040104110010-01	UDRV tribs (Dingmans Ferry to 206 bridg)	Temperature					5
13	02040301070090-01	Union Branch (below Blacks Br 74d22m05s)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
13	02040301070090-01	Union Branch (below Blacks Br 74d22m05s)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
13	02040301070090-01	Union Branch (below Blacks Br 74d22m05s)	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers			5
13	02040301070090-01	Union Branch (below Blacks Br 74d22m05s)	Arsenic	Natural Sources				5
13	02040301070090-01	Union Branch (below Blacks Br 74d22m05s)	E. Coli	Urban Runoff/Storm Sewers				4
13	02040301070090-01	Union Branch (below Blacks Br 74d22m05s)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
13	02040301070090-01	Union Branch (below Blacks Br 74d22m05s)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
01	02040105100010-01	Union Church trib	E. Coli					5
01	02040105100010-01	Union Church trib	Phosphorus					5
07	02030104010030-01	Upper NY Bay / Kill Van Kull (74d07m30s)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
07	02030104010030-01	Upper NY Bay / Kill Van Kull (74d07m30s)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
07	02030104010030-01	Upper NY Bay / Kill Van Kull (74d07m30s)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
07	02030104010030-01	Upper NY Bay / Kill Van Kull (74d07m30s)	Cause Unknown	Source Unknown	Municipal Point Source Discharges	Package Plant or Other Permitted Small Flows Discharges	Urban Runoff/Storm Sewers	5
07	02030104010030-01	Upper NY Bay / Kill Van Kull (74d07m30s)	Dieldrin	Contaminated Sediments	Source Unknown			5
07	02030104010030-01	Upper NY Bay / Kill Van Kull (74d07m30s)	Heptachlor epoxide	Contaminated Sediments	Source Unknown			5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
07	02030104010030-01	Upper NY Bay / Kill Van Kull (74d07m30s)	Benzo(a)Pyrene	Source Unknown				5
07	02030104010030-01	Upper NY Bay / Kill Van Kull (74d07m30s)	Hexachlorobenzene	Source Unknown				5
07	02030104010030-01	Upper NY Bay / Kill Van Kull (74d07m30s)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
07	02030104010030-01	Upper NY Bay / Kill Van Kull (74d07m30s)	Dioxin					5
01	02040104240010-01	Van Campens Brook	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
12	02030104060050-01	Waackaack Creek	Total Coliform	Urban Runoff/Storm Sewers				4
12	02030104060050-01	Waackaack Creek	Arsenic	Natural Sources				5
12	02030104060050-01	Waackaack Creek	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104060050-01	Waackaack Creek	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104060050-01	Waackaack Creek	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
12	02030104060050-01	Waackaack Creek	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Package Plant or Other Permitted Small Flows Discharges	Contaminated Sediments	Urban Runoff/Storm Sewers	5
12	02030104060050-01	Waackaack Creek	Dissolved Oxygen	Urban Runoff/Storm Sewers				5
12	02030104060050-01	Waackaack Creek	Enterococcus	Urban Runoff/Storm Sewers				4
14	02040301200030-01	Wading River (below Rt 542)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Agriculture			5
14	02040301200030-01	Wading River (below Rt 542)	Total Coliform	Agriculture				4
14	02040301200020-01	Wading River (Rt 542 to Oswego River)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Agriculture			5
14	02040301200020-01	Wading River (Rt 542 to Oswego River)	Total Coliform	Agriculture				4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
14	02040301190050-01	Wading River WB (Jenkins Rd to Rt 563)	Arsenic	Agriculture				5
14	02040301190050-01	Wading River WB (Jenkins Rd to Rt 563)	Phosphorus	Agriculture				5
14	02040301190050-01	Wading River WB (Jenkins Rd to Rt 563)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
14	02040301190050-01	Wading River WB (Jenkins Rd to Rt 563)	Dissolved Oxygen	Agriculture				5
14	02040301190070-01	Wading River WB (Oswego R to Jenkins Rd)	Phosphorus	Agriculture				5
14	02040301190070-01	Wading River WB (Oswego R to Jenkins Rd)	Arsenic	Agriculture				5
14	02040301190070-01	Wading River WB (Oswego R to Jenkins Rd)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics	Agriculture			5
02	02020007030010-01	Wallkill R (41d13m30s to Martins Road)	Total Suspended Solids					5
02	02020007030010-01	Wallkill R (41d13m30s to Martins Road)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
02	02020007030010-01	Wallkill R (41d13m30s to Martins Road)	Arsenic					4
02	02020007010080-01	Wallkill R (Franklin Pond to Ogdensburg)	E. Coli					4
02	02020007010080-01	Wallkill R (Franklin Pond to Ogdensburg)	Cause Unknown	Source Unknown				5
02	02020007010080-01	Wallkill R (Franklin Pond to Ogdensburg)	Arsenic					4
02	02020007010040-01	Wallkill R (Hamburg SW Bdy to Frkln Pnd)	Arsenic					4
02	02020007010040-01	Wallkill R (Hamburg SW Bdy to Frkln Pnd)	E. Coli					4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
02	02020007010070-01	Wallkill R (Martins Rd to Hamburg SW Bdy)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
02	02020007010070-01	Wallkill R (Martins Rd to Hamburg SW Bdy)	Cause Unknown	Source Unknown				5
02	02020007010070-01	Wallkill R (Martins Rd to Hamburg SW Bdy)	Arsenic					4
02	02020007010020-01	Wallkill R (Ogdensburg to SpartaStation)	E. Coli	Urban Runoff/Storm Sewers				4
02	02020007010020-01	Wallkill R (Ogdensburg to SpartaStation)	Arsenic					4
02	02020007010010-01	Wallkill R / Lake Mohawk(above Sparta Sta)	E. Coli	Urban Runoff/Storm Sewers				4
02	02020007010010-01	Wallkill R / Lake Mohawk(above Sparta Sta)	Arsenic					4
02	02020007030030-01	Wallkill River (Owens gage to 41d13m30s)	Arsenic					4
02	02020007030030-01	Wallkill River (Owens gage to 41d13m30s)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
02	02020007030030-01	Wallkill River (Owens gage to 41d13m30s)	Total Suspended Solids					5
02	02020007030040-01	Wallkill River (stateline to Owens gage)	Arsenic					4
02	02020007030040-01	Wallkill River (stateline to Owens gage)	Total Suspended Solids					5
02	02020007030040-01	Wallkill River (stateline to Owens gage)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
03	02030103070030-01	Wanaque R/Greenwood Lk(aboveMonks gage)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
03	02030103070070-01	Wanaque R/Posts Bk (below reservior)	E. Coli	Urban Runoff/Storm Sewers				4
03	02030103070070-01	Wanaque R/Posts Bk (below reservior)	Temperature					5
03	02030103070050-01	Wanaque Reservior (below Monks gage)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
03	02030103070050-01	Wanaque Reservior (below Monks gage)	Temperature	Upstream Impoundments (e.g., Pl-566 NRCS Structures)	Agriculture	Package Plant or Other Permitted Small Flows Discharges	Urban Runoff/Storm Sewers	5
03	02030103070050-01	Wanaque Reservior (below Monks gage)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
13	02040301120010-01	Waretown Creek / Lochiel Creek	Arsenic	Natural Sources				5
13	02040301120010-01	Waretown Creek / Lochiel Creek	Mercury in Water Column	Atmospheric Depositon - Toxics				5
02	02020007040050-01	Wawayanda Creek & tribs	Phosphorus	Urban Runoff/Storm Sewers				5
02	02020007040050-01	Wawayanda Creek & tribs	Arsenic					5
09	02030105150010-01	Weamaconk Creek	Total Suspended Solids	Agriculture	Urban Runoff/Storm Sewers			5
09	02030105150010-01	Weamaconk Creek	Arsenic					5
09	02030105150010-01	Weamaconk Creek	Dissolved Oxygen					5
09	02030105150010-01	Weamaconk Creek	Phosphorus	Agriculture	Urban Runoff/Storm Sewers			5
09	02030105150010-01	Weamaconk Creek	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
13	02040301090010-01	Webbs Mill Branch	Dissolved Oxygen	Natural Sources				5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
03	02030103070040-01	West Brook/Burnt Meadow Brook	Dissolved Oxygen	Urban Runoff/Storm Sewers				5
03	02030103070040-01	West Brook/Burnt Meadow Brook	Temperature	Upstream Impoundments (e.g., Pl-566 NRCS Structures)				5
16	02040206210020-01	West Ck (above Rt 550)	Dissolved Oxygen	Natural Sources				5
16	02040206210040-01	West Ck (below PaperMillRd) to MooresBch	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
16	02040206210030-01	West Ck (Paper Mill Rd to Rt 550)	Dissolved Oxygen	Natural Sources				5
13	02040301130050-01	Westecunk Creek (above GS Parkway)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
13	02040301130060-01	Westecunk Creek (below GS Parkway)	E. Coli	Urban Runoff/Storm Sewers				5
13	02040301130060-01	Westecunk Creek (below GS Parkway)	Total Coliform	Urban Runoff/Storm Sewers				4
12	02030104090010-01	Whale Pond Brook	E. Coli	Urban Runoff/Storm Sewers				4
12	02030104090010-01	Whale Pond Brook	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers			5
06	02030103020010-01	Whippany R (above road at 74d 33m)	Arsenic					5
06	02030103020010-01	Whippany R (above road at 74d 33m)	Temperature					5
06	02030103020040-01	Whippany R (Lk Pocahontas to Wash Val Rd)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
06	02030103020040-01	Whippany R (Lk Pocahontas to Wash Val Rd)	Phosphorus					4
06	02030103020040-01	Whippany R (Lk Pocahontas to Wash Val Rd)	E. Coli	Urban Runoff/Storm Sewers				4

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
06	02030103020050-01	Whippany R (Malapardis to Lk Pocahontas)	Arsenic					5
06	02030103020050-01	Whippany R (Malapardis to Lk Pocahontas)	E. Coli	Urban Runoff/Storm Sewers				4
06	02030103020050-01	Whippany R (Malapardis to Lk Pocahontas)	Phosphorus					4
06	02030103020100-01	Whippany R (Rockaway R to Malapardis Bk)	Phosphorus					4
06	02030103020100-01	Whippany R (Rockaway R to Malapardis Bk)	Lead	Industrial Point Source Discharge	Municipal Point Source Discharges	Urban Runoff/Storm Sewers		5
06	02030103020100-01	Whippany R (Rockaway R to Malapardis Bk)	E. Coli	Urban Runoff/Storm Sewers				4
06	02030103020020-01	Whippany R (Wash. Valley Rd to 74d 33m)	E. Coli					4
06	02030103020020-01	Whippany R (Wash. Valley Rd to 74d 33m)	Arsenic					5
17	02040206170020-01	White Marsh Run (Millville)	Arsenic					5
11	02040105200040-01	Wickecheoke Creek (above Locktown)	Total Suspended Solids					5
11	02040105200040-01	Wickecheoke Creek (above Locktown)	Phosphorus	Industrial Point Source Discharge	Agriculture	Urban Runoff/Storm Sewers		4
11	02040105200040-01	Wickecheoke Creek (above Locktown)	Arsenic					5
11	02040105200040-01	Wickecheoke Creek (above Locktown)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
11	02040105200040-01	Wickecheoke Creek (above Locktown)	pH					5
11	02040105200060-01	Wickecheoke Creek (below Locktown)	pH					5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
11	02040105200060-01	Wickecheoke Creek (below Locktown)	E. Coli	Agriculture	Urban Runoff/Storm Sewers			4
11	02040105200060-01	Wickecheoke Creek (below Locktown)	Temperature	Upstream Impoundments (e.g., Pl-566 NRCS Structures)	Agriculture	Package Plant or Other Permitted Small Flows Discharges	Urban Runoff/Storm Sewers	5
11	02040105200060-01	Wickecheoke Creek (below Locktown)	Phosphorus	Package Plant or Other Permitted Small Flows Discharges	Agriculture	Urban Runoff/Storm Sewers		4
15	02040302070100-01	Willis Thorofare / Hughes Creek	Total Coliform	Urban Runoff/Storm Sewers				4
12	02030104070020-01	Willow Brook	Total Suspended Solids	Urban Runoff/Storm Sewers	Agriculture	Package Plant or Other Permitted Small Flows Discharges		5
12	02030104070020-01	Willow Brook	Phosphorus	Urban Runoff/Storm Sewers	Agriculture	Package Plant or Other Permitted Small Flows Discharges		5
12	02030104070020-01	Willow Brook	E. Coli	Urban Runoff/Storm Sewers				5
14	02040301160040-01	Wisickaman Creek	Cause Unknown	Source Unknown	Agriculture	Urban Runoff/Storm Sewers		5
07	02030104050110-01	Woodbridge Creek	Benzo(a)Pyrene	Source Unknown				5
07	02030104050110-01	Woodbridge Creek	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
07	02030104050110-01	Woodbridge Creek	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
07	02030104050110-01	Woodbridge Creek	Dieldrin	Contaminated Sediments	Source Unknown			5
07	02030104050110-01	Woodbridge Creek	Dioxin	Atmospheric Depositon - Toxics	Agriculture	Urban Runoff/Storm Sewers		5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
07	02030104050110-01	Woodbridge Creek	Heptachlor epoxide	Contaminated Sediments	Source Unknown			5
07	02030104050110-01	Woodbridge Creek	Hexachloroben zene	Source Unknown				5
07	02030104050110-01	Woodbridge Creek	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				5
07	02030104050110-01	Woodbridge Creek	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202120100-01	Woodbury Creek (above Rt 45)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
18	02040202120100-01	Woodbury Creek (above Rt 45)	DDT in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202120100-01	Woodbury Creek (above Rt 45)	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202120100-01	Woodbury Creek (above Rt 45)	pH	Agriculture	Urban Runoff/Storm Sewers			5
18	02040202120100-01	Woodbury Creek (above Rt 45)	Phosphorus					4
18	02040202120100-01	Woodbury Creek (above Rt 45)	Chlordane in Fish Tissue	Contaminated Sediments	Source Unknown			5
18	02040202120110-01	Woodbury Creek (below Rt 45)/LDRV to B T Ck	Phosphorus					4
18	02040202120110-01	Woodbury Creek (below Rt 45)/LDRV to B T Ck	pH	Industrial Point Source Discharge	Agriculture	Urban Runoff/Storm Sewers		5
18	02040202120110-01	Woodbury Creek (below Rt 45)/LDRV to B T Ck	PCB in Fish Tissue	Contaminated Sediments	Source Unknown			5
13	02040301080050-01	Wrangel Brook (below Michaels Branch)	Mercury in Water Column	Atmospheric Depositon - Toxics				5
13	02040301080050-01	Wrangel Brook (below Michaels Branch)	Arsenic	Natural Sources				5
13	02040301080050-01	Wrangel Brook (below Michaels Branch)	Dissolved Oxygen	Urban Runoff/Storm Sewers				5
13	02040301080050-01	Wrangel Brook (below Michaels Branch)	E. Coli	Urban Runoff/Storm Sewers				5

WMA	Waterbody	Name	Parameter	Source1	Source2	Source3	Source4	Sublist
12	02030104090070-01	Wreck Pond Brook (above Rt 35)	E. Coli	Urban Runoff/Storm Sewers	Agriculture			4
12	02030104090070-01	Wreck Pond Brook (above Rt 35)	Phosphorus	Urban Runoff/Storm Sewers	Agriculture			5
12	02030104090080-01	Wreck Pond Brook (below Rt 35)	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
12	02030104090080-01	Wreck Pond Brook (below Rt 35)	E. Coli	Urban Runoff/Storm Sewers	Agriculture			4
12	02030104090080-01	Wreck Pond Brook (below Rt 35)	Phosphorus	Urban Runoff/Storm Sewers	Agriculture	Golf Course		5
12	02030104090080-01	Wreck Pond Brook (below Rt 35)	Total Coliform	Urban Runoff/Storm Sewers				5
12	02030104090080-01	Wreck Pond Brook (below Rt 35)	Arsenic	Natural Sources				5
01	02040105050040-01	Yards Creek	pH					5
01	02040105050040-01	Yards Creek	Mercury in Fish Tissue	Atmospheric Depositon - Toxics				4
01	02040105050040-01	Yards Creek	Dissolved Oxygen					5
12	02030104070040-01	Yellow Brook (above Bucks Mill)	Cause Unknown	Source Unknown	Urban Runoff/Storm Sewers	Agriculture		5
12	02030104070040-01	Yellow Brook (above Bucks Mill)	E. Coli	Urban Runoff/Storm Sewers	Agriculture			4
12	02030104070060-01	Yellow Brook (below Bucks Mill)	E. Coli	Urban Runoff/Storm Sewers	Agriculture			4
14	02040301180010-01	Yellow Dam Branch	Total Suspended Solids	Unspecified Land Disturbance				5
14	02040301180010-01	Yellow Dam Branch	Dissolved Oxygen	Unspecified Land Disturbance				5
14	02040301180010-01	Yellow Dam Branch	Arsenic	Unspecified Land Disturbance				5

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Original Listing Station	Delisting Reason	Explanation
17	02040206060050-01	Alloway Ck (Quinton to Alloway-WdstwnRd)	Cause Unknown	AN0702	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	Station discontinued because located in tidal waters and the biological metrics are not valid in tidal waters. No other biological monitoring stations in this AU.
11	02040105230050-01	Assunpink Ck (Shipetaukin to Trenton Rd)	DDT and metabolites in Fish Tissue	Mercer Co. Park Lake	Applicable WQS attained; reason for recovery unspecified.	New fish tissue data shows full attainment.
13	02040301910020-01	Atl Coast (Herring Is to Rt 37)	PCB in Fish Tissue		Applicable WQS attained; original basis for listing was incorrect.	See note below
16	02040303060201-01	Atl Coast (off Cape May Pt)	PCB in Fish Tissue		Applicable WQS attained; original basis for listing was incorrect.	See note below
12	02030104930020-01	Atl Coast (Shark R to Manasquan)	PCB in Fish Tissue		Applicable WQS attained; original basis for listing was incorrect.	See note below
16	02040302940010-01	Atl Coast(34th St to Corson Inl)	PCB in Fish Tissue		Applicable WQS attained; original basis for listing was incorrect.	See note below
15	02040302920010-01	Atl Coast(Absecon In to Ventnor)	PCB in Fish Tissue		Applicable WQS attained; original basis for listing was incorrect.	See note below
13	02040301920010-01	Atl Coast(Barnegat to Surf City)	PCB in Fish Tissue		Applicable WQS attained; original basis for listing was incorrect.	See note below
16	02040302940020-01	Atl Coast(Corson to Townsends In)	PCB in Fish Tissue		Applicable WQS attained; original basis for listing was incorrect.	See note below
15	02040302930010-01	Atl Coast(Great Egg to 34th St)	PCB in Fish Tissue		Applicable WQS attained; original basis for listing was incorrect.	See note below
13	02040301920030-01	Atl Coast(Haven Bch to Lit Egg)	PCB in Fish Tissue		Applicable WQS attained; original basis for listing was incorrect.	See note below
14	02040302910010-01	Atl Coast(Ltl Egg to Absecon In)	PCB in Fish Tissue		Applicable WQS attained; original basis for listing was incorrect.	See note below
13	02040301910010-01	Atl Coast(Manasquan/Herring Is)	PCB in Fish Tissue		Applicable WQS attained; original basis for listing was incorrect.	See note below
12	02030104920010-01	Atl Coast(Sandy H to Navesink R)	PCB in Fish Tissue		Applicable WQS attained; original basis for listing was incorrect.	See note below

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Original Listing Station	Delisting Reason	Explanation
13	02040301920020-01	Atl Coast(Surf City to Haven Be)	PCB in Fish Tissue		Applicable WQS attained; original basis for listing was incorrect.	See note below
15	02040302920020-01	Atl Coast(Ventnor to Great Egg)	PCB in Fish Tissue		Applicable WQS attained; original basis for listing was incorrect.	See note below
12	02030104930010-01	Atl Coast(Whale Pond to Shark R)	PCB in Fish Tissue		Applicable WQS attained; original basis for listing was incorrect.	See note below
16	02040302940050-01	Atl Cst(CM Inlet to Cape May Pt)	PCB in Fish Tissue		Applicable WQS attained; original basis for listing was incorrect.	See note below
16	02040302940040-01	Atl Cst(Hereford to Cape May In)	PCB in Fish Tissue		Applicable WQS attained; original basis for listing was incorrect.	See note below
13	02040301910030-01	Atl Cst(Rt 37 to Barnegat Inlet)	PCB in Fish Tissue		Applicable WQS attained; original basis for listing was incorrect.	See note below
16	02040302940030-01	Atl Cst(Townsends to Hereford In)	PCB in Fish Tissue		Applicable WQS attained; original basis for listing was incorrect.	See note below
12	02030104920020-01	AtlCoast(Navesink R to WhalePond)	PCB in Fish Tissue		Applicable WQS attained; original basis for listing was incorrect.	See note below
17	02040206090010-01	Barrett Run (above West Ave)	Phosphorus (Total)	01413013,Mary Elmer Lake	TMDL Approved or established by EPA (4a)	TP TMDL
03	02030103070020-01	Belcher Creek (Pinecliff Lake & below)	Cause Unknown	AN0255,AN0255D	Applicable WQS attained; reason for recovery unspecified.	New data shows sites are fully supporting for aquatic life.
18	02040202120080-01	Big Timber Creek (below NB/SB confl)	Cause Unknown	AN0664	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	Station discontinued because located in tidal waters and the biological metrics are not valid in tidal waters. No other biological monitoring stations in this AU.
18	02040202120080-01	Big Timber Creek (below NB/SB confl)	Mercury in Fish Tissue	Big Timber Creek	Applicable WQS attained; reason for recovery unspecified.	New fish tissue data shows full attainment
18	02040202120030-01	Big Timber Creek SB (above Lakeland Rd)	Phosphorus (Total)	Grenlock Lake	TMDL Approved or established by EPA (4a)	TP TMDL
18	02040202150070-01	Birch Creek	Phosphorus (Total)	01477160	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	Tidal Saline Station, no criteria.

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Original Listing Station	Delisting Reason	Explanation
18	02040202150070-01	Birch Creek	Total Suspended Solids (TSS)	01477160	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	Station is located in SE2 waters, no TSS criteria. TSS upstream in non-tidal waters is fully attaining.
08	02030105020060-01	Cakepoulin Creek	DDT and metabolites in Fish Tissue		Other pollution control requirements (4b)	remediation at contaminated site
17	02040206070030-01	Canton Drain (above Maskell Mill)	pH	01413065	Applicable WQS attained; original basis for listing was incorrect.	Data shows no exceedances, should have never been listed. Only 4 samples from 1999-2000. Only station in watershed with data.
17	02040206070040-01	Canton Drain (below Maskell Mill)	Cause Unknown	AN0707	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	Station discontinued because located in tidal waters and the biological metrics are not valid in tidal waters. No other biological monitoring stations in this AU.
18	02040202110030-01	Cooper River (above Evesham Road)	Turbidity	01467150	Applicable WQS attained; reason for recovery unspecified.	01467150 with old data from 1999-2004 trumped by newer data downstream at Cooper R at Culthbert Blvd and Cooper R near Mouth of River shows that turbidy meets criteria. All 19 samples from bothstations meet criteria.
16	02040206230060-01	Cox Hall Creek / Mickels Run (to Villas)	Enterococcus	CC1147	Applicable WQS attained; reason for recovery unspecified.	No longer a monitored beach. Beach assessments associated with Delaware Bay AU show all 14 beaches fully attaining.
12	02030104090030-01	Deal Lake	pH	MCHD-1	Applicable WQS attained; reason for recovery unspecified.	Station located in saline portion of lake, pH fully attaining.
01	02040105060020-01	Delawanna Creek (incl UDRV)	Mercury in Fish Tissue	Delaware Lake	Applicable WQS attained; reason for recovery unspecified.	New fish tissue data shows full attainment
17	DELAWARE RIVER 6	Delaware Bay Zone 6 (New Jersey portion)	Chlordane in Fish Tissue		Applicable WQS attained; reason for recovery unspecified.	DRBC delisting
17	DELAWARE RIVER 6	Delaware Bay Zone 6 (New Jersey portion)	Dieldrin		Applicable WQS attained; reason for recovery unspecified.	DRBC delisting

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Original Listing Station	Delisting Reason	Explanation
01	DELAWARE RIVER 2	Delaware River 1C	Chlordane in Fish Tissue		Applicable WQS attained; reason for recovery unspecified.	DRBC delisting
01	DELAWARE RIVER 8	Delaware River 1D	Chlordane in Fish Tissue		Applicable WQS attained; reason for recovery unspecified.	DRBC delisting
11	DELAWARE RIVER 14	Delaware River 1E	Chlordane in Fish Tissue		Applicable WQS attained; reason for recovery unspecified.	DRBC delisting
20	DELAWARE RIVER 15	Delaware River 2	Chlordane in Fish Tissue		Applicable WQS attained; reason for recovery unspecified.	DRBC delisting
20	DELAWARE RIVER 15	Delaware River 2	Dieldrin		Applicable WQS attained; reason for recovery unspecified.	DRBC delisting
18	DELAWARE RIVER 16	Delaware River 3	Chlordane in Fish Tissue		Applicable WQS attained; reason for recovery unspecified.	DRBC delisting
18	DELAWARE RIVER 16	Delaware River 3	Dieldrin		Applicable WQS attained; reason for recovery unspecified.	DRBC delisting
18	DELAWARE RIVER 17	Delaware River 4	Chlordane in Fish Tissue		Applicable WQS attained; reason for recovery unspecified.	DRBC delisting
18	DELAWARE RIVER 17	Delaware River 4	Dieldrin		Applicable WQS attained; reason for recovery unspecified.	DRBC delisting
17	DELAWARE RIVER 18	Delaware River 5A	Chlordane in Fish Tissue		Applicable WQS attained; reason for recovery unspecified.	DRBC delisting
17	DELAWARE RIVER 18	Delaware River 5A	Dieldrin		Applicable WQS attained; reason for recovery unspecified.	DRBC delisting
17	DELAWARE RIVER 19	Delaware River 5B	Chlordane in Fish Tissue		Applicable WQS attained; reason for recovery unspecified.	DRBC delisting, AU consolidated into Delaware River 18 - Zone 5
17	DELAWARE RIVER 19	Delaware River 5B	DDT and metabolites in Fish Tissue		Data and/or information lacking to determine WQ status; original basis for listing was incorrect	AU consolidated into Delaware River 18 - Zone 5
17	DELAWARE RIVER 19	Delaware River 5B	Dieldrin		Applicable WQS attained; reason for recovery unspecified.	DRBC delisting, AU consolidated into Delaware River 18 - Zone 5

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Original Listing Station	Delisting Reason	Explanation
17	DELAWARE RIVER 19	Delaware River 5B	Mercury in Fish Tissue		Data and/or information lacking to determine WQ status; original basis for listing was incorrect	AU consolidated into Delaware River 18 - Zone 5
17	DELAWARE RIVER 20	Delaware River 5C	Chlordane in Fish Tissue		Applicable WQS attained; reason for recovery unspecified.	DRBC delisting, AU consolidated into Delaware River 18 - Zone 5
17	DELAWARE RIVER 20	Delaware River 5C	DDT and metabolites in Fish Tissue		Data and/or information lacking to determine WQ status; original basis for listing was incorrect	AU consolidated into Delaware River 18 - Zone 5
17	DELAWARE RIVER 20	Delaware River 5C	Dieldrin		Applicable WQS attained; reason for recovery unspecified.	DRBC delisting, AU consolidated into Delaware River 18 - Zone 5
17	DELAWARE RIVER 20	Delaware River 5C	Mercury in Fish Tissue		Data and/or information lacking to determine WQ status; original basis for listing was incorrect	AU consolidated into Delaware River 18 - Zone 5
20	02040201060010-01	Doctors Creek (above 74d28m40s)	pH	01464512	Applicable WQS attained; reason for recovery unspecified.	No exceedances since 2002 (16 samples).
20	02040201060020-01	Doctors Creek (Allentown to 74d28m40s)	Phosphorus (Total)	01464515,Imlaystown Lake,Allentown Lake	TMDL Approved or established by EPA (4a)	TP TMDL
15	02040302030030-01	Four Mile Branch (GEHR)	Phosphorus (Total)	Crystal Spring Lake	Applicable WQS attained; reason for recovery unspecified.	Lake is trumped by more recent data at downstream site 01410810 with all 9 samples meeting criteria and a max value of 0.025 mg/l
19	02040202050050-01	Friendship Ck (below/incl Burrs Mill Bk)	pH	01465835	Applicable WQS attained; reason for recovery unspecified.	01465835 downstream from AU, but stations Old Forge Lake (all 9 samples attaining) and SFRRETRE (all 11 samples attaining) in AU are full attaining.

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Original Listing Station	Delisting Reason	Explanation
19	02040202050050-01	Friendship Ck (below/incl Burrs Mill Bk)	Phosphorus (Total)	01465835	Applicable WQS attained; reason for recovery unspecified.	01465835 is located in AU downstream, Old Forge Lake in AU is fully attaining (all 9 samples attaining) and trumps downstream results.
15	02040302050130-01	Great Egg Harbor R (GEH Bay to Miry Run)	Mercury in Fish Tissue	15-GEH-3	Applicable WQS attained; reason for recovery unspecified.	All 3 GEH tidal AU's were originally listed for Mercury in water column and delisted based on upstream results at 15-GEH-3. An administrative mistake placed this AU as non attaining for Mercury in Fish Tissue in 2012. No fish tissue data in GEH estuary, administrative error.
14	02040301160160-01	Gun Branch	pH		Data and/or information lacking to determine WQ status; original basis for listing was incorrect	AU split from 02040301160110-01, Albertson Brook in 2010. No Data in AU.
05	02030103170060-01	Hackensack R (Oradell to OldTappan gage)	Escherichia coli	01377000,01378475	TMDL Approved or established by EPA (4a)	Covered by TMDL
14	02040301170010-01	Hammonton Creek (above 74d43m)	Mercury in Fish Tissue	01409414	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	Listed for Mercury in water column, not Mercury in Fish Tissue. Administrative error.
13	02040301020030-01	Haystack Brook	Arsenic	HS-1	Applicable WQS attained; original basis for listing was incorrect.	HS-1 more than 50% censored data(11 of 19 censored). Unable to make an assessment and placed on Sublist 3. Should have never been listed, administrative error.
13	02040301020030-01	Haystack Brook	Cause Unknown	MB-139	Applicable WQS attained; reason for recovery unspecified.	Trumped by more recent data at AN0504 that shows fully supporting for aquatic life.
17	02040206090020-01	Indian Fields Branch / Jackson Run	Cause Unknown	AN0715	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	Station discontinued because located in tidal waters and the biological metrics are not valid in tidal waters. No other biological monitoring stations in this AU.

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Original Listing Station	Delisting Reason	Explanation
17	02040206020010-01	LDRV tribs (Lakeview Ave to Oldmans Ck)	Mercury in Fish Tissue	DOD Lake	Applicable WQS attained; reason for recovery unspecified.	New fish tissue data shows full attainment
11	02040105200010-01	Lockatong Ck (above Rt 12)	Phosphorus (Total)	L8A/9/9A	TMDL Approved or established by EPA (4a)	TP TMDL
11	02040105200020-01	Lockatong Ck (Milltown to Rt 12)	Phosphorus (Total)	L4	TMDL Approved or established by EPA (4a)	TP TMDL
13	02040301130090-01	Manahawkin/LEH Bay (MillCrk-TurtleCove)	Oxygen, Dissolved	MB,1680B	Applicable WQS attained; reason for recovery unspecified.	Diurnal Data only available in 2007, low reading appears to be instrument malfunction in July. All other stations in AU fully attaining for DO (1719E,1680B,1683C,1700A,1703,1703C1704,1707C,1675,1718B,1721,1721C,1712) with recent intensive study data for BB study (BB10,BB11,BB11A) showing full attainment as well.
13	02040301070080-01	Manapaqua Brook	Mercury in Water Column	01408460	Applicable WQS attained; original basis for listing was incorrect.	All 4 samples full attain, no other metal sampling in AU. Administrative error.
17	02040206170030-01	Maurice River(Menantico Ck to UnionLake)	Cause Unknown	AN0755	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	Station discontinued because located in tidal waters and the biological metrics are not valid in tidal waters. No other biological monitoring stations in this AU.
13	02040301020020-01	Metedeconk R NB(Rt 9 to I-195)	Arsenic	NK	Applicable WQS attained; original basis for listing was incorrect.	NK does not represent AU. NG within AU has over 50% censored data (20 of 32 censored). Unable to make an assessment and placed on Sublist 3.
13	02040301130030-01	Mill Ck (below GS Parkway)/Manahawkin Ck	Chlordane in Fish Tissue	Lake Manahawkin	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	No data for Chlordane at station, administrative error
13	02040301130030-01	Mill Ck (below GS Parkway)/Manahawkin Ck	pH	01409150	Applicable WQS attained; reason for recovery unspecified.	BT11 (all 67 samples attaining) located within the AU trumps results from 01409150 that is located outside of AU.

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Original Listing Station	Delisting Reason	Explanation
12	02030104070050-01	Mine Brook (Monmouth Co)	Escherichia coli	01407450,MCHD-58	TMDL Approved or established by EPA (4a)	Covered by TMDL
07	02030104030010-01	Morses Creek / Piles Creek	Fecal Coliform	NJHDG-21	Applicable WQS attained; original basis for listing was incorrect.	SE3 waters with secondary contact designated use shows all data meets criteria (39 samples).
13	02040301020040-01	Muddy Ford Brook	Arsenic	MF-1	Applicable WQS attained; original basis for listing was incorrect.	MF-1 more than 50% censored data (23 of 31 censored). Unable to make an assessment and placed on Sublist 3. Should have never been listed, administrative error.
13	02040301020040-01	Muddy Ford Brook	Mercury in Water Column	MF-1	Applicable WQS attained; original basis for listing was incorrect.	Wrong assessment, units of measure were wrong previously. Data is fully attaining.
13	02040301020040-01	Muddy Ford Brook	Phosphorus (Total)	MCHD-17	Applicable WQS attained; reason for recovery unspecified.	Last 10 years of data shows only 1 of 25 samples exceeding.
13	02040301020040-01	Muddy Ford Brook	Total Suspended Solids (TSS)	MCHD-17	Applicable WQS attained; reason for recovery unspecified.	Since last exceedance in June 2003, all data (26 samples) are fully attaining.
14	02040301170140-01	Mullica R. (BatstoR to Nescochague Lake)	pH	R26	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	No pH data at only station in AU. AU is in the tidal portion with no pH data available along the Mullica River mainstem. Administrative mistake in original listing.
14	02040301160020-01	Mullica River (above Jackson Road)	Oxygen, Dissolved	01409383	Applicable WQS attained; reason for recovery unspecified.	Diurnal Data 2003 - Meets criteria but low values, 01409375 upstream is full attain.
14	02040301170040-01	Mullica River (BatstoR to PleasantMills)	pH	R26	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	No pH data at only station in AU. AU is in the tidal portion with no pH data available along the Mullica River mainstem. Administrative mistake in original listing.
01	02040105150030-01	Musconetcong R (Wills Bk to LkHopatcong)	Oxygen, Dissolved	01455500	Applicable WQS attained; reason for recovery unspecified.	Only 2002 data but MSA1/2/3 in AU also show full attain in 2004, should have been delisted in 2012.

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Original Listing Station	Delisting Reason	Explanation
17	02040206100060-01	Nantuxent Creek (above Newport Landing)	Cause Unknown	AN0719	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	Station discontinued because located in tidal waters and the biological metrics are not valid in tidal waters. No other biological monitoring stations in this AU.
12	02030104070110-01	Navesink R (below Rt 35)/LowerShrewsbury	Turbidity	MCHD-38	Applicable WQS attained; reason for recovery unspecified.	Latest Data from 2005-2009 show no exceedances(14 samples), other stations in HUC fullly attaining (MCHD-37/42/43).
12	02030104070120-01	Navesink R mouth	Turbidity		Data and/or information lacking to determine WQ status; original basis for listing was incorrect	AU split from 02030104070110-01 Navesink R (below Rt 35)/LowerShrewsbury in 2010. No Turbidity data in HUC. Data at 02030104070110-01 now shows full attainment. In addition, other AU upstream, Shrewsbury River is fully attaining.
05	02030103170010-01	Pascack Brook (above Westwood gage)	Phosphorus (Total)	01377358	TMDL Approved or established by EPA (4a)	TP TMDL
05	02030103170020-01	Pascack Brook (below Westwood gage)	Phosphorus (Total)	01377499,MB001/2/4/5/6	TMDL Approved or established by EPA (4a)	TP TMDL
06	02030103010150-01	Passaic R Upr (Columbia Rd to 40d 45m)	Total Dissolved Solids	01379580	Applicable WQS attained; reason for recovery unspecified.	01379504 in AU with more comprehensive and recent dataset (all 27 samples attaining) trumps 01379580 located downstream.
06	02030103010180-01	Passaic R Upr (Pine Bk br to Rockaway)	Mercury in Water Column	6-site-3	Applicable WQS attained; reason for recovery unspecified.	Data at 6-site-3 and 01382000 shows only 1 excursion that was "estimated" therefore delisted. (9 samples)
18	02040202100060-01	Pennsauken Ck (below NB / SB)	Mercury in Fish Tissue	Pennsauken Creek @ Forked Landing	Applicable WQS attained; reason for recovery unspecified.	New fish tissue data shows full attainment

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Original Listing Station	Delisting Reason	Explanation
18	02040202100030-01	Pennsauken Ck NB (below Strawbridge Lk)	Cause Unknown	AN0180,AN0181	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	Station discontinued because located in tidal waters and the biological metrics are not valid in tidal waters. No other biological monitoring stations in this AU.
12	02030104060060-01	Pews Creek to Shrewsbury River	Oxygen, Dissolved	R67	Applicable WQS attained; reason for recovery unspecified.	1 of 2 exceedances within range of analytical error out of 34 samples in last 10 yrs.
01	02040105140020-01	Pohatcong Ck (Brass Castle Ck to Rt 31)	pH	01455200	Applicable WQS attained; reason for recovery unspecified.	01455138 (all 8 samples attaining) located within the AU trumps results from 01455200 located outside of the AU.
18	02040202150060-01	Raccoon Ck (below Swedesboro rd)/BirchCk	Phosphorus (Total)	01477160	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	Tidal Saline Station, no criteria.
18	02040202150060-01	Raccoon Ck (below Swedesboro rd)/BirchCk	Total Suspended Solids (TSS)	01477160	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	Station is located in SE2 waters, no TSS criteria. Watershed is all SE2 waters.
18	02040202150050-01	Raccoon Ck (Swedesboro rd-RussellMillRd)	Cause Unknown	AN0685,AN0684	Data and/or information lacking to determine WQ status; original basis for listing was incorrect	Station discontinued because located in tidal waters and the biological metrics are not valid in tidal waters. No other biological monitoring stations in this AU.
07	02030104050100-01	Rahway River (below Robinsons Branch)	Oxygen, Dissolved	NJHDG-22,Passaic-19	Applicable WQS attained; reason for recovery unspecified.	NJHDG-11 data shows improvement since 2006, 62 of 63 meet criteria over last 5 yrs.
03	02030103100070-01	Ramapo R (below Crystal Lake bridge)	Oxygen, Dissolved	01388100	Applicable WQS attained; reason for recovery unspecified.	Diurnal data full attain 2007-2013
19	02040202020030-01	Rancocas Ck NB (incl Mirror Lk-GauntsBk)	Phosphorus (Total)	01465970	Applicable WQS attained; original basis for listing was incorrect.	No data at 01465970, stations 01465950(upstream) and RCW-NBRANC1(downstream) both meet criteria. All 28 samples from both stations meet criteria.

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Original Listing Station	Delisting Reason	Explanation
19	02040202020040-01	Rancocas Ck NB (NL dam to Mirror Lk)	Phosphorus (Total)	01465970	Applicable WQS attained; original basis for listing was incorrect.	No data at 01465970, stations 01465950(upstream) and RCW-NBRANC1(downstream) both meet criteria. All 28 samples from both stations meet criteria.
19	02040202040030-01	Rancocas Ck NB (Rt 206 to Pemberton br)	Lead	19-RA-3N	Applicable WQS attained; reason for recovery unspecified.	Co-located station 01467000 recent data confirms full attainment. All 17 samples meet criteria.
12	02030104910030-01	Raritan Bay (deep water)	Heptachlor epoxide	HEP	Applicable WQS attained; original basis for listing was incorrect.	Administrative error, Raritan Bay should have never been listed in 2012.
12	02030104910030-01	Raritan Bay (deep water)	Oxygen, Dissolved	908C,918	Applicable WQS attained; original basis for listing was incorrect.	Wrong assessment in 2006 - data shows Full Attain. Each site has only 1 exceedance out of 23 samples.
12	02030104910010-01	Raritan Bay (west of Thorns Ck)	Heptachlor epoxide	HEP	Applicable WQS attained; original basis for listing was incorrect.	Administrative error, Raritan Bay should have never been listed in 2012.
08	02030105020070-01	Raritan R SB(River Rd to Spruce Run)	pH	SB1	Applicable WQS attained; original basis for listing was incorrect.	Data mistaken with RCW-SB1, data fully attaining. All 28 samples meet criteria.
03	02030103070080-01	Ringwood Creek	Escherichia coli		Data and/or information lacking to determine WQ status; original basis for listing was incorrect	No data in AU, administrative error.
12	02030104910020-01	Sandy Hook Bay (east of Thorns Ck)	Oxygen, Dissolved	906A	Applicable WQS attained; original basis for listing was incorrect.	Wrong assessment in 2006 - data shows Full Attain. Site has only 1 exceedance out of 24 samples.
12	02030104090040-01	Shark River (above Remsen Mill gage)	Phosphorus (Total)	01407670,MCHD-30/70	TMDL Approved or established by EPA (4a)	TP TMDL

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Original Listing Station	Delisting Reason	Explanation
17	02040206120030-01	Still Run (above Silver Lake Road)	Cause Unknown	AN0729	Applicable WQS attained; reason for recovery unspecified.	New data shows sites are fully supporting for aquatic life.
13	02040301080060-01	Toms R Lwr (Rt 166 to Oak Ridge Pkwy)	Arsenic	13-tom-1	Applicable WQS attained; original basis for listing was incorrect.	Data at 13-tom-1 and 01408500 are all non detect (7 samples). Should have never been listed, administrative error.
13	02040301060020-01	Toms River (74-22-30 rd to FrancisMills)	Cause Unknown	AN0519	Applicable WQS attained; reason for recovery unspecified.	New data shows sites are fully supporting for aquatic life.
13	02040301060010-01	Toms River (above Francis Mills)	PCB in Fish Tissue		Data and/or information lacking to determine WQ status; original basis for listing was incorrect	No fish tissue data in AU. Administrative error
13	02040301060060-01	Toms River (Hope Chapel Rd to Bowman Rd)	PCB in Fish Tissue		Data and/or information lacking to determine WQ status; original basis for listing was incorrect	No fish tissue data in AU. Administrative error
13	02040301060080-01	Toms River (Oak Ridge Parkway to Rt 70)	PCB in Fish Tissue		Data and/or information lacking to determine WQ status; original basis for listing was incorrect	No fish tissue data in AU. Administrative error
03	02030103070050-01	Wanaque Reservior (below Monks gage)	Escherichia coli	01387000	TMDL Approved or established by EPA (4a)	Covered by TMDL
03	02030103070050-01	Wanaque Reservior (below Monks gage)	Oxygen, Dissolved	Erskine Lake,Sheppard Pond	Applicable WQS attained; original basis for listing was incorrect.	Originally listed with pre-1998 data, all data collected at Erskine Lake and Sheppard Pond since 2000 are full attaining.
13	02040301090010-01	Webbs Mill Branch	Cause Unknown	AN0545	Applicable WQS attained; original basis for listing was incorrect.	Station discontinued because located in tidal waters and the biological metrics are not valid in tidal waters. No other biological monitoring stations in this AU.
17	02040206170020-01	White Marsh Run (Millville)	Cause Unknown	AN0754	Applicable WQS attained; reason for recovery unspecified.	New data shows sites are fully supporting for aquatic life.
12	02030104090070-01	Wreck Pond Brook (above Rt 35)	pH	MCHD-14	Applicable WQS attained; reason for recovery unspecified.	MCHD-14 has shown 24 samples fully attaining since last exceedances.

Note: No information is available to indicate that the levels of PCBs in sediment in the near shore ocean waters or in the water column exceed applicable WQS. Not listing for PCBs in Fish Tissue is consistent

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Designated Use	New Assessment	Comment	Delisted Reason
07	02030104050030-01	Baltusrol trib (above Springfield Sta)	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
02	02020007010060-01	Beaver Run	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
17	02040206140020-01	Burnt Mill Branch / Hudson Branch	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
08	02030105050060-01	Cold Brook	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
17	02040206060010-01	Cool Run	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
16	02040206230060-01	Cox Hall Creek / Mickels Run (to Villas)	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
03	02030103100060-01	Crystal Lake/Pond Brook	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Designated Use	New Assessment	Comment	Delisted Reason
09	02030105120070-01	Cuckels Brook	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
06	02030103010080-01	Dead River (above Harrisons Brook)	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
20	02040201050060-01	Ellisdale trib (Crosswicks Creek)	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
08	02030105030010-01	First Neshanic River	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
01	02040105090050-01	Furnace Brook	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
06	02030103030050-01	Green Pond Brook (above Burnt Meadow Bk)	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
06	02030103010090-01	Harrisons Brook	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Designated Use	New Assessment	Comment	Delisted Reason
06	02030103030100-01	Hibernia Brook	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
15	02040302040070-01	Hospitality Br (below Piney Hollow Rd)	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
01	02040105040040-01	Lafayette Swamp tribs	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
01	02040105040030-01	Lake Kemah tribs	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
14	02040301170100-01	Landing Creek (above Rt 563)	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
03	02030103100020-01	Masonicus Brook	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
17	02040206160040-01	Mill Creek (lower)	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Designated Use	New Assessment	Comment	Delisted Reason
01	02040105150090-01	Mine Brook (Morris Co)	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
01	02040105090040-01	Mountain Lake Brook	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
07	02030104050050-01	Nomahegan Brook	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
17	02040206080030-01	Parsonage Run / Foster Run	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
17	02040206140070-01	Parvin Branch / Tarkiln Branch	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
04	02030103120090-01	Passaic R Lwr (Saddle R to Dundee Dam)	Enterococcus	Recreation	Insufficient Data	This is freshwaters, entero does not apply to this AU. No E. Coli data available.	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
18	02040202100030-01	Pennsauken Ck NB (below Strawbridge Lk)	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Designated Use	New Assessment	Comment	Delisted Reason
11	02040105240040-01	Pond Run	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
02	02020007030020-01	Quarryville Brook	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
18	02040202150020-01	Raccoon Ck (Rt 45 to/incl Clems Run)	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
18	02040202150030-01	Raccoon Ck SB	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
19	02040202040040-01	Rancocas Ck NB (Smithville to Rt 206)	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
03	02030103070080-01	Ringwood Creek	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
10	02030105100050-01	Rocky Brook (below Monmouth Co line)	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Designated Use	New Assessment	Comment	Delisted Reason
06	02030103030010-01	Russia Brook (above Milton)	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
06	02030103030020-01	Russia Brook (below Milton)	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
17	02040206030080-01	Salem Canal	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
17	02040206030060-01	Salem R (39-40-14 dam CoursesLndg)/Canal	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
08	02030105030020-01	Second Neshanic River	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
01	02040105040050-01	Sparta Junction tribs	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
10	02030105090090-01	Stony Bk- Princeton drainage	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Designated Use	New Assessment	Comment	Delisted Reason
01	02040105030010-01	Swartswood trib(41-06-06 thru Lk Owassa)	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
01	02040105030030-01	Trout Brook	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
01	02040105050040-01	Yards Creek	Escherichia coli	Recreation	Insufficient Data	E. Coli or Entero is either Insufficient Data or no data, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data).	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
06	02030103020070-01	Black Brook (Hanover)	Phosphorus (Total)	Aquatic Life-General	Insufficient Data	No TP data in AU, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data). Biologicial data is either insufficient information or no data.	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
18	02040202160020-01	Oldmans Creek (Rt45 to Commissioners Rd)	Phosphorus (Total)	Aquatic Life-General	Insufficient Data	No TP data in AU, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data). Biologicial data is either insufficient information or no data.	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
17	02040206180020-01	Cedar Branch (Menanti	Phosphorus (Total)	Aquatic Life-General	Insufficient Data	No TP data in AU, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data). Biologicial data is either insufficient information or no data.	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
09	02030105140010-01	Manalapan Brook (abov	Phosphorus (Total)	Aquatic Life - General	Fully Supporting	Station 01405303 fully attaining for TP located in AU trumps data from 01405340 outside of AU. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Designated Use	New Assessment	Comment	Delisted Reason
01	02040105090020-01	Pequest R (Cemetary Road to Drag Strip)	Phosphorus (Total)	Aquatic Life - General	Insufficient Data	No TP data in AU, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data). Biologicial data is fully attaining.	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
01	02040105070060-01	Pequest R (below Bear Swamp to Trout Bk)	Phosphorus (Total)	Aquatic Life - General	Fully Supporting	01445100 and Alphano Pond-01 fully attaining for TP, No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
01	02040105070060-01	Pequest R (below Bear Swamp to Trout Bk)	Phosphorus (Total)	Aquatic Life - Trout	Insufficient Data	01445100 and Alphano Pond-01 fully attaining for TP, No TMDL. Insufficient data for biological, dissolved oxygen, and temperature for trout waters.	Applicable WQS attained; original basis for listing was incorrect.
06	02030103020070-01	Black Brook (Hanover)	Phosphorus (Total)	Aquatic Life - General	Insufficient Data	No TP data in AU, new method in 2014 placed AU without data under a TMDL on Sublist 3 (Insufficient Data). Biologicial data is fully attaining.	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
18	02040202160020-01	Oldmans Creek (Rt45 to Commissioners Rd)	Phosphorus (Total)	Aquatic Life - General	Fully Supporting	01477440 and Harrisonville Lake-18 fully attaining for TP, No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
20	02040201080010-01	Blacks Creek (above 40d06m10s)	Escherichia coli	Recreation	Fully Supporting	Station 01464527 fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
17	02040206080010-01	Cohansey R (above Beals Mill)	Escherichia coli	Recreation	Fully Supporting	Station 01412800 fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
17	02040206080050-01	Cohansey R (incl CornwellRun -	Escherichia coli	Recreation	Fully Supporting	Station 01412800 fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
17	02040206080020-01	Cohansey R (incl HandsPond - Beals	Escherichia coli	Recreation	Fully Supporting	Station 01412800 fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
20	02040201060030-01	Doctors Creek (below Allentown)	Escherichia coli	Recreation	Fully Supporting	Station 01464515 fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
01	02040105040020-01	Dry Brook	Escherichia coli	Recreation	Fully Supporting	Station 01443409 fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Designated Use	New Assessment	Comment	Delisted Reason
07	02030104020030-01	Elizabeth R (below Elizabeth CORP BDY)	Enterococcus	Recreation	Fully Supporting	Station NJHDG-20 fully attaining for enterococcus trumps results at 01393450 in upstream AU. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
15	02040302040110-01	GEHR (Mare Run to Rt 322)	Escherichia coli	Recreation	Fully Supporting	Station 01411110 fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
17	02040206140030-01	Green Branch / Endless Branch	Escherichia coli	Recreation	Fully Supporting	Station 01411490 fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
01	02040105050030-01	Jacksonburg Creek	Escherichia coli	Recreation	Fully Supporting	Station 01443600 fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
17	02040206120010-01	Little Ease Run (above Academy Rd)	Escherichia coli	Recreation	Fully Supporting	Station BA64B fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
13	02040301070080-01	Manapaqua Brook	Escherichia coli	Recreation	Fully Supporting	Station 01408460 fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
12	02030104100010-01	Manasquan R (above 74d17m50s road)	Escherichia coli	Recreation	Fully Supporting	Station MCHD-92 fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
09	02030105150060-01	Matchaponix Brook (below Pine Brook)	Escherichia coli	Recreation	Fully Supporting	Station 01405302 fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
17	02040206140010-01	Maurice River (BlkwtrBr to/incl	Escherichia coli	Recreation	Fully Supporting	Station 01411500 fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
09	02030105150020-01	McGellairds Brook (above Taylors Mills)	Escherichia coli	Recreation	Fully Supporting	Station MCHD-61 fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
13	02040301030020-01	Metedeconk R SB (74d19m15s to I-195	Escherichia coli	Recreation	Fully Supporting	Station SK fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
09	02030105120180-01	Middle Brook	Escherichia coli	Recreation	Fully Supporting	Station 01403190 fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
10	02030105110140-01	Millstone R (AmwellRd to BlackwellsMills)	Escherichia coli	Recreation	Fully Supporting	Station 01402000 fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
10	02030105110110-01	Millstone R (BlackwellsMills to	Escherichia coli	Recreation	Fully Supporting	Station BA122A fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Designated Use	New Assessment	Comment	Delisted Reason
10	02030105100060-01	Millstone R (Cranbury Bk to Rocky Bk)	Escherichia coli	Recreation	Fully Supporting	Station BA117A fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
14	02040301170140-01	Mullica River (BatstoR to Nescochague Lake)	Enterococcus	Recreation	Fully Supporting	Station R26 fully attaining for enterococcus. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
14	02040301170040-01	Mullica River (BatstoR to PleasantMills)	Enterococcus	Recreation	Fully Supporting	Station R26 fully attaining for enterococcus. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
14	02040301170080-01	Mullica River (Lower Bank Rd to Rt 563)	Enterococcus	Recreation	Fully Supporting	Station R27 fully attaining for enterococcus. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
14	02040301170060-01	Mullica River (Rt 563 to Batsto River)	Enterococcus	Recreation	Fully Supporting	Station R27 fully attaining for enterococcus. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
01	02040105160030-01	Musconetcong R (Rt 31 to Changewater)	Escherichia coli	Recreation	Fully Supporting	Station 01456590 fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
12	02030104070120-01	Navesink R mouth	Enterococcus	Recreation	Fully Supporting	Station MC0051 fully attaining for enterococcus. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
11	02040105170040-01	Nishisakawick Creek (above 40d 33m)	Escherichia coli	Recreation	Fully Supporting	Station 01458570 fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
11	02040105170050-01	Nishisakawick Creek (below 40d 33m)	Escherichia coli	Recreation	Fully Supporting	Station 01458570 fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
18	02040202160020-01	Oldmans Creek (Rt45 to Commissioners Rd)	Escherichia coli	Recreation	Fully Supporting	Station BA91 fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
01	02040105050050-01	Paulins Kill (below Blairstown gage)	Escherichia coli	Recreation	Fully Supporting	Station DRBCNJ0036 fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
01	02040105050010-01	Paulins Kill (Blairstown to Stillwater)	Escherichia coli	Recreation	Fully Supporting	Station 01443500 fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
03	02030103050060-01	Pequannock R (Macopin gage to	Escherichia coli	Recreation	Fully Supporting	Station BA131 fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
18	02040202150040-01	Raccoon Ck (Russell Mill Rd to Rt 45)	Escherichia coli	Recreation	Fully Supporting	Station 01477120 fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
19	02040202020030-01	Rancocas Ck NB (incl Mirror Lk-GauntsBk)	Escherichia coli	Recreation	Fully Supporting	Station 01465950 fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Designated Use	New Assessment	Comment	Delisted Reason
19	02040202040030-01	Rancocas Ck NB (Rt 206 to Pemberton br)	Escherichia coli	Recreation	Fully Supporting	Station 01467000 fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
08	02030105040040-01	Raritan R SB (NB to Pleasant Run)	Escherichia coli	Recreation	Fully Supporting	Station 01398102 fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
10	02030105110070-01	Rock Brook (below Camp Meeting Ave)	Escherichia coli	Recreation	Fully Supporting	Station 01401595 fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
17	02040206030030-01	Salem R (CountyHomeRd to	Escherichia coli	Recreation	Fully Supporting	Station BA72 fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
16	02040206210050-01	Savages Run (above East Creek Pond)	Escherichia coli	Recreation	Fully Supporting	Station 01411441 fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
02	02020007020020-01	Wykertown tribs (Papakating Creek)	Escherichia coli	Recreation	Fully Supporting	Station Wallkill S fully attaining for E.Coli. No TMDL.	Applicable WQS attained; original basis for listing was incorrect.
15	02040302040110-01	GEHR (Mare Run to Rt 322)	Total Coliform	Shellfish	Not Applicable	No shellfish harvesting in AU.	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
15	02040302050020-01	Babcock Creek (GEHR)	Total Coliform	Shellfish	Not Applicable	No shellfish harvesting in AU.	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
13	02040301040020-01	Metedeconk R (Beaverdam Ck to confl)	Total Coliform	Shellfish	Not Applicable	AU was split at the head of tide in 2014. No shellfish harvesting in AU.	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
16	02040206220040-01	Dennis Creek (below Jakes Landing Rd)	Total Coliform	Shellfish	Insufficient Data	Administrative closure, TMDL calculated no pollutant (pathogens) reductions required.	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
12	02030104080050-01	Long Branch direct Atlantic drainage	Total Coliform	Shellfish	Insufficient Data	AU split from 02030104080030-01, Branchport Creek in 2010. No total coliform data in AU.	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
16	02040206210060-01	East Creek	Total Coliform	Shellfish	Insufficient Data	Administrative closure, TMDL calculated no pollutant (pathogens) reductions required.	Data and/or information lacking to determine WQ status; original basis for listing was incorrect

WMA	Assessment Unit Number	Assessment Unit Name	Parameter	Designated Use	New Assessment	Comment	Delisted Reason
12	02030104090090-01	Atl Drainage (Shark R - Deal Lk)	Total Coliform	Shellfish	Insufficient Data	AU split from 02030104090060-01, Shark River (below Remsen Mill gage) in 2010. No total coliform data in AU.	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
16	02040206220030-01	Dennis Creek (Jakes Landing Rd to Rt 47)	Total Coliform	Shellfish	Insufficient Data	Administrative closure, TMDL calculated no pollutant (pathogens) reductions required.	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
16	02040206210040-01	West Ck (below PaperMillRd) to MooresBch	Total Coliform	Shellfish	Insufficient Data	Administrative closure, TMDL calculated no pollutant (pathogens) reductions required.	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
16	02040206220020-01	Sluice Creek	Total Coliform	Shellfish	Insufficient Data	Administrative closure, TMDL calculated no pollutant (pathogens) reductions required.	Data and/or information lacking to determine WQ status; original basis for listing was incorrect

WMA	Assessment Unit	Assessment Unit Name	Station Number	Station Name	Parameter	Sublist	Explanation	Total Samples	Total Exceedances
17	02040206140050-01	Blackwater Branch (below Pine Branch)	AN0739	Blackwater Br at Maurice R Pkwy in Vineland	AMNET	3	Directly below impoundment - biologicial index does not apply to this condition		
17	02040206030050-01	Game Creek (above Rt 48)	AN0696	Game Ck at Rt 48 in Carneys Point	AMNET	3	Directly below impoundment - biologicial index does not apply to this condition		
13	02030104100010-01	Manasquan R (above 74d17m50s road)	AN0485	Manasquan R at off Turkey Swamp Rd in Freehold	AMNET	3	Located in the extreme headwaters of a small tributary, naturally low production system, no anthropogenic sources.		
18	02040202130020-01	Mantua Creek (road to Sewell to Rt 47)	AN0669	Mantua Ck at Lambs Rd in Mantua	AMNET	3	Directly below impoundment - biologicial index does not apply to this condition		
15	02040302040050-01	Collings Lakes trib (Hospitality Branch)	AN0632	Marsh Lake Br (Collings Br) at Blue Anchor Rd in Buena Vista	AMNET	3	Directly below impoundment - biologicial index does not apply to this condition. AN0631 located upstream of lakes in AU is rated as fully attaining.		
17	02040206140010-01	Maurice River (BlkwtrBr to/incl WillowGroveLk)	AN0733	Maurice R (Scotland Run) at Willow Grove Rd in Vineland	AMNET	3	Directly below impoundment - biologicial index does not apply to this condition		
17	02040206150020-01	Muddy Run (incl Palatine Lk to Elmer Lk)	AN0745	Muddy Run at blw Palatine Lk in Pittsgrove	AMNET	3	Directly below impoundment - biologicial index does not apply to this condition		
17	02040206150010-01	Muddy Run (above/incl Elmer Lake)	AN0742	Muddy Run at Dutch Row Rd in Elmer	AMNET	3	Directly below impoundment - biologicial index does not apply to this condition		
17	02040206150060-01	Muddy Run (Landis Ave to Parvin Lake)	AN0748	Muddy Run at Parvins Mill Rd in Pittsgrove	AMNET	3	Directly below impoundment - biologicial index does not apply to this condition		
18	02040202160050-01	Oldmans Creek (Center Sq Rd to KingsHwy)	AN0688	Oldmans Ck at Kings Hwy in Woolwich	AMNET	3	Directly below impoundment - biologicial index does not apply to this condition		
18	02040202150020-01	Raccoon Ck (Rt 45 to/incl Clems Run)	AN0680	Raccoon Ck at N Main St in Harrison	AMNET	3	Directly below impoundment - biologicial index does not apply to this condition		
17	02040206070070-01	Raccoon Ditch (Stow Creek)	AN0708	Raccoon Ditch at Davis Mill Rd in Greenwich	AMNET	3	Directly below impoundment - biologicial index does not apply to this condition		
17	02040206120040-01	Reed Branch (Still Run)	AN0731	Reed Br at Royal Ave in Franklin	AMNET	3	Directly below impoundment - biologicial index does not apply to this condition		
17	02040206130040-01	Scotland Run (below Delsea Drive)	AN0725	Scotland Run at Rt 40 in Franklin	AMNET	3	Directly below impoundment - biologicial index does not apply to this condition		
15	02040302070020-01	Tuckahoe River (39d19m52s to Cumberland Ave)	AN0648	Tuckahoe R at Cumberland Ave in Estell Manor	AMNET	3	Located between 2 lakes - biologicial index does not apply to this condition		

WMA	Assessment Unit	Assessment Unit Name	Station Number	Station Name	Parameter	Sublist	Explanation	Total Samples	Total Exceedances
17	02040206060030-01	Cedar Brook / Carlisle Run	AN0701	UNT to Alloway Ck at Alloway-Aldine Rd in Alloway	AMNET	3	Directly below impoundment - biologicial index does not apply to this condition		
13	02040301090010-01	Webbs Mill Branch	AN0545	Webbs Mill Br at Rt 539 in Lacey	AMNET	3	No anthropogenic sources in the watershed that could be impacting the AMNET station. Totally forested pineland watershed. Sampling station is located in wetlands which is skewing the index score.		
13	BarnegatBay06	Barnegat Bay Central East	BB08	Barnegat Bay by Barnegat Inlet	DO	1	24 hr average above 5 mg/l during all 4 days of both intensive sampling events during summer time period	91	2
14	02040301200060-01	Bass River (below WB / EB)	R24	Bass R-Tidal	DO	1	Station R24 has 1 of 23 samples exceed the criteria (3 of 46 over 10 yrs), R25 has 1 of 25 samples exceed; Do not list as more evidence is required; 2 out of 6 summer samples at R24 and 1 of 6 at R25 are exceeding the criteria; station next to a marina; need confirmatory diurnal data.	23	1
17	02040206090100-01	Cohansey R (below Greenwich)	R48	Cohansey R-Tidal	DO	1	One of the two excursions are estimated, do not list since there is less than 2 confirmed exceedances of the criteria.	17	2
20	02040201060030-01	Doctors Creek (below Allentown)	01464515	Doctors Ck at Allentown	DO	1	Not changed in 2014, Less than the target dataset of 20 samples, Need to look at station closely when target region is Lower Delaware or more samples collected, No DO issues upstream or downstream.	19	2
14	02040301210030-01	Little Bay & tribs	2100A	Great Bay	DO	1	2 of 16 samples exceed the criteria, other sites in HUC meet 2108A,2106A,2102B,2101A, do not list yet, get more data.	16	2
05	02030101170030-01	Hudson River (lower)	NJHDG-31	Hudson River	DO	1	Very low exceedance frequency, only 2 exceedances of 84 samples.	84	3

WMA	Assessment Unit	Assessment Unit Name	Station Number	Station Name	Parameter	Sublist	Explanation	Total Samples	Total Exceedances
05	02030101170030-01	Hudson River (lower)	NJHDG-32	Hudson River	DO	1	Only 1 event since both exceedances occurred on the same day.	84	2
13	BarnegatBay08	Manahawkan Bay and Upper Little Egg Harbor	1718B	Manahawkin Bay	DO	1	Recent intensive data for BB study at BB11 and BB11a nearby shows no exceedances out of 91 samples. In addition, other stations in AU are fully attaining: BB10, 1719E,1700A, 1703C,1704,1707C,1721,1712,1703,1683C,1675.	19	2
19	02040202030070-01	McDonalds Branch	01466500	McDonalds Br in Lebanon State Forest	DO	1	Located in a State Park with no anthropogenic sources. Water here is spring-fed resulting in naturally low DO.	25	10
13	02040301030040-01	Metedeconk R SB (Rt 9 to Bennetts Pond)	01408136	Metedeconk R S Br on Bennetts Mill Rd in Bennetts Mill	DO	1	Extremely low exceedance frequency with only 2 of 124 exceeding the criteria.	124	2
12	02030104100070-01	Mingamahone Brook (below Asbury Rd)	MCHD-23	Mingomohone Bk at Belmar Blvd in Farmingdale	DO	1	Low exceedance frequency with only 2 of 40 samples exceeding the criteria.	40	2
14	02040301200120-01	Nacote Creek (below/incl Mill Pond)	R30	Nacote Ck-Tidal	DO	1	R31 upstream(19of19) and 2005 downstream(17of17) fully meet DO, no anthropogenic sources between sites.	14	2
07	02030104050100-01	Rahway River (below Robinsons Branch)	NJHDG-22	Rahway River at Lawrence St in Rahway	DO	1	Since 2006 data shows improvement with only 1 exceedance in the last 5 yrs	63	1
12	02030104910030-01	Raritan Bay (deep water)	NJHDG-29	Raritan Bay	DO	1	Very low exceedance frequency with only 3 of 80 samples exceeding the criteria.	80	3
09	02030105160100-01	Raritan R Lwr (below Lawrence Bk)	NJHDG-27	Raritan River	DO	1	Very low exceedance frequency with 4 exceedances of 89 samples, stations upstream and in Raritan Bay fully attaining for DO, located next to tidal wetlands that could be impacting the DO.	89	4

WMA	Assessment Unit	Assessment Unit Name	Station Number	Station Name	Parameter	Sublist	Explanation	Total Samples	Total Exceedances
09	02030105120170-01	Raritan R Lwr (Lawrence Bk to Mile Run)	NJHDG-26	Raritan River	DO	1	Very low exceedance frequency with 2 exceedances of 89 samples, stations upstream and Raritan Bay fully attaining for DO, tidal wetlands downstream could be impacting the DO.	89	2
01	02040105050010-01	Paulins Kill (Blairstown to Stillwater)	01443500	Paulins Kill at Blairstown	E. Coli	1	Only 1 high exceedance skewed the geomean; 4 years data in 2008,09,10,12 show no other high values		
13	02040301050020-01	Kettle Creek (below Lake Riviera outlet)	01408175	Kettle Ck on Rt 549 (Brick Blvd) in Brick	Mercury	1	One of the two excursions are estimated, do not list since there is less than 2 confirmed exceedances of the criteria.	8	2
13	02040301020050-01	Metedeconk R NB (confluence to Rt 9)	NA	Metedeconk R NB at Rt 88 in Lakewood	Mercury	1	Very low exceedance frequency with 6 of 342 samples exceeding the criteria since 2008. No exceedances upstream or downstream.	350	6
14	02040301160140-01	Mullica River (39d40m30s to Rt 206)	0140940050	Mullica R near Batsto	Mercury	1	One of the two excursions are estimated, do not list since there is less than 2 confirmed exceedances of the criteria.	5	2
19	02040202050020-01	Burrs Mill Bk (Burnt Br Br- 39-51-30 rd)	01465808	Burrs Mill Bk on Sooy Place/Hedgerhouse Rd in Woodland Twp	pH	1	Located in PL waters with 3 samples with pH data slightly lower than Pinelands criteria. Minimum development, over 90% forested, these are not exceedances.	14	0
13	02040301090060-01	Cedar Creek (below GS Parkway)	BT06	Cedar Creek at Lanoka Harbor	pH	1	Impacted by Pinelands, pH low	19	2
13	02040301090060-01	Cedar Creek (below GS Parkway)	BT06a	Cedar Creek at Lanoka Harbor	pH	1	Impacted by Pinelands, pH low	28	28
12	02030104060040-01	Chingarora Creek to Thorns Creek	MCHD-36	Chingorora Creek at Broadway in Union Beach	pH	1	Low exceedances, SJ like waters	9	2
13	02040301110020-01	Forked River NB (below old RR grade)	BT07	Forked River NB at Forked River	pH	1	Impacted by Pinelands, pH low	49	21
13	02040301110030-01	Forked River (below NB incl Mid/South Br)	BT09	Forked River SB	pH	1	Impacted by Pinelands, pH low	49	16

WMA	Assessment Unit	Assessment Unit Name	Station Number	Station Name	Parameter	Sublist	Explanation	Total Samples	Total Exceedances
17	02040206130030-01	Indian Branch (Scotland Run)	01411466	Indian Br near Malaga	pH	1	Influenced by Pinelands, all data below 5.5, heavily forested, no pt sources	20	10
17	02040206030040-01	Salem R (CoursesLanding to CountyHomeRd)	01482530	Major Run at Sharptown	pH	1	Recent data in 08-09 and diurnal results in JUL 09 show Full Attainment although very close to non attaining	16	2
14	02040301200110-01	Mattix Run (Nacote Creek)	01410230	Mattix Run on Old Port Republic Rd in Galloway Twp	pH	1	Pineland-like waters, low pH	15	7
13	02040301040020-01	Metedeconk R (Beaverdam Ck to confl)	BTMUA INTAKE	Metedeconk R at BTMUA Intake	pH	1	Influenced by Pinelands, pH low, Frequency of exceedance and magnitude does not justify as non attaining	1205	22
13	02040301020050-01	Metedeconk R NB (confluence to Rt 9)	01408123	Metedeconk R N Br on Rt 88 in Lakewood Twp	pH	1	Influenced by Pineland-like conditions, pH low, Frequency of exceedance and magnitude does not justify as non attaining	1298	5
13	02040301020050-01	Metedeconk R NB (confluence to Rt 9)	ND	Metedeconk R NB at Brook Rd in Howell	pH	1	Influenced by Pineland-like conditions, pH low, Frequency of exceedance and magnitude does not justify as non attaining	124	2
13	02040301020010-01	Metedeconk R NB (above I-195)	NK	Metedeconk R NB at Farmingdale Rd in Howell	pH	1	Influenced by Pineland-like conditions, pH low, Frequency of exceedance and magnitude does not justify as non attaining	120	2
13	02040301030050-01	Metedeconk R SB (confluence to Rt 9)	01408152	Metedeconk R S Br on Chambers Bridge Rd in Brick Twp	pH	1	Influenced by Pineland-like conditions, pH low, Frequency of exceedance and magnitude does not justify as non attaining	885	6
13	02040301020050-01	Metedeconk R NB (confluence to Rt 9)	01408120	Metedeconk River NB near Lakewood	pH	1	Influenced by Pineland-like conditions, pH low, Frequency of exceedance and magnitude does not justify as non attaining	84	2
13	02040301110030-01	Forked River (below NB incl Mid/South Br)	BT08	Middle Branch Forked River	pH	1	Impacted by Pinelands, pH low	41	38
13	02040301140020-01	Mill Branch (below GS Parkway)	01409305	Mill Br on Nugentown Rd in Nugentown	pH	1	Impacted by Pinelands, pH low	19	6
13	02040301110050-01	Oyster Creek (below Rt 532)	BT10	Oyster Creek	pH	1	Impacted by Pinelands, pH low	49	17
04	02030103150030-01	Passaic R Lwr (Second R to Saddle R)	NJHDG-8	Passaic River at Rutgers St	pH	1	2 of 83 exceed, low frequency, do not list	83	2

WMA	Assessment Unit	Assessment Unit Name	Station Number	Station Name	Parameter	Sublist	Explanation	Total Samples	Total Exceedances
04	02030103120110-01	Passaic R Lwr (Goeffle Bk to Pump stn)	NJHDG-1	Passaic River at Totowa Rd	pH	1	2 of 68 exceed, both within precision, low exceedance	68	2
18	02040202150040-01	Raccoon Ck (Russell Mill Rd to Rt 45)	01477120	Raccoon Ck near Swedesboro	pH	1	3 of 26 exceed SJ criteria, 2 within precision, Diurnal data also full attain 2009-2010	26	3
07	02030104050100-01	Rahway River (below Robinsons Branch)	NJHDG-22	Rahway River at Lawrence St in Rahway	pH	1	One of two exceedance within precision	65	2
12	02030104910030-01	Raritan Bay (deep water)	NJHDG-29	Raritan Bay	pH	1	2 of 75 exceed, very low exceedance rate	63	2
09	02030105120140-01	Raritan R Lwr (I-287 Piscatway-Millstone)	01403300	Raritan R at Queens Bridge	pH	1	Data set shows attainment, 1 of 123 exceeds	123	1
04	02030103140070-01	Saddle River (below Lodi gage)	NJHDG-6	Saddle River near Lodi	pH	1	2 low exceedances during winter 2011, not enough to list yet	78	2
13	02040301120010-01	Waretown Creek / Lochiel Creek	01409108	Waretown Ck on Rt 9 in Waretown	pH	1	Impacted by Pinelands, pH low	19	19
13	02040301130060-01	Westecunk Creek (below GS Parkway)	BT12	Westecunk Ck at Railroad Avenue at West Creek	pH	1	Impacted by Pinelands, pH low	49	13
13	02040301080050-01	Wrangel Brook (below Michaels Branch)	BT04	Wrangle Brook near Toms River NJ	pH	1	Impacted by Pinelands, pH low	44	15
12	02030104920010-01	Atl Coast(Sandy H to Navesink R)	02030104920010-01	Atl Coast(Sandy H to Navesink R)	Shellfish	3	All administrative closures		
15	02040302920020-01	Atl Coast(Ventnor to Great Egg)	02040302920020-01	Atl Coast(Ventnor to Great Egg)	Shellfish	1	Water Quality sampling shows fully supporting, restrictions are administrative closures		
13	BarnegatBay07	Barnegat Bay Central Bottom	BarnegatBay07	Barnegat Bay Central Bottom	Shellfish	1	Water Quality sampling shows fully supporting, restrictions are administrative closures		
13	BarnegatBay06	Barnegat Bay Central East	BarnegatBay06	Barnegat Bay Central East	Shellfish	1	Water Quality sampling shows fully supporting, restrictions are administrative closures		
13	BarnegatBay05	Barnegat Bay Central West	BarnegatBay05	Barnegat Bay Central West	Shellfish	1	Water Quality full attain, restrictions administrative closures		
13	02040301100020-01	Barnegat Cntrl tribs (CedarCk - Forked R)	02040301100020-01	Barnegat Cntrl tribs (CedarCk - Forked R)	Shellfish	1	Water Quality sampling shows fully supporting, restrictions are administrative closures		

WMA	Assessment Unit	Assessment Unit Name	Station Number	Station Name	Parameter	Sublist	Explanation	Total Samples	Total Exceedances
13	02040301050040-01	Barnegat North tribs (Tide Ck to Rt 37)	02040301050040-01	Barnegat North tribs (Tide Ck to Rt 37)	Shellfish	3	All Administrative closures		
13	02040301120020-01	Barnegat South tribs (below Lochiel Ck)	02040301120020-01	Barnegat South tribs (below Lochiel Ck)	Shellfish	1	Water Quality sampling shows fully supporting, restrictions are administrative closures		
16	02040206230060-01	Cox Hall Creek / Mickels Run (to Villas)	02040206230060-01	Cox Hall Creek / Mickels Run (to Villas)	Shellfish	3	Administrative closure, not under TMDL		
16	02040206220010-01	Dennis Ck / Cedar Swamp (Rt 47 to Rt 550)	02040206220010-01	Dennis Ck / Cedar Swamp (Rt 47 to Rt 550)	Shellfish	3	Administrative closure, no TMDL reductions		
16	02040206230030-01	Dias Creek	02040206230030-01	Dias Creek	Shellfish	3	Administrative closure, not under TMDL		
16	02040206230050-01	Fishing Creek / Fishing Mill Stream	02040206230050-01	Fishing Creek / Fishing Mill Stream	Shellfish	3	Administrative closure, not under TMDL		
14	02040301210050-01	Great Bay tribs	02040301210050-01	Great Bay tribs	Shellfish	1	Water Quality sampling shows fully supporting, restrictions are administrative closures		
13	02040301140040-01	LEH Bay tribs (Westecunk Ck-Tuckerton Ck)	02040301140040-01	LEH Bay tribs (Westecunk Ck-Tuckerton Ck)	Shellfish	1	Water Quality sampling shows fully supporting, restrictions are administrative closures		
13	02040301140050-01	LEH Bay tribs (Willis Creek to LE Inlet)	02040301140050-01	LEH Bay tribs (Willis Creek to LE Inlet)	Shellfish	1	Water Quality sampling shows fully supporting, restrictions are administrative closures		
13	02040301050030-01	Metedekunk Neck tribs (below Heron Is)	02040301050030-01	Metedekunk Neck tribs (below Heron Is)	Shellfish	3	All Administrative closures		
13	02040301130030-01	Mill Ck (below GS Parkway)/Manahawkin Ck	02040301130030-01	Mill Ck (below GS Parkway)/Manahawkin Ck	Shellfish	3	All Administrative closures		
17	02040206070070-01	Raccoon Ditch (Stow Creek)	02040206070070-01	Raccoon Ditch (Stow Creek)	Shellfish	3	Administrative closure, not under TMDL		
17	02040206070080-01	Stow Creek (below Canton Rd)	02040206070080-01	Stow Creek (below Canton Rd)	Shellfish	3	Administrative closure, not under TMDL		
17	02040206070060-01	Stow Creek (Canton Road to Jericho Road)	02040206070060-01	Stow Creek (Canton Road to Jericho Road)	Shellfish	3	Administrative closure, not under TMDL		
13	02040301120010-01	Waretown Creek / Lochiel Creek	02040301120010-01	Waretown Creek / Lochiel Creek	Shellfish	3	All Administrative closures		

WMA	Assessment Unit	Assessment Unit Name	Station Number	Station Name	Parameter	Sublist	Explanation	Total Samples	Total Exceedances
05	02030103180090-01	Hackensack R (Amtrak bridge to Rt 3)	NJHDG-14	Hackensack River below Rt 3	Temperature	1	Extremely low exceedance frequency with only 2 of 114 samples exceeding the criteria.	114	2
13	02040301020020-01	Metedeconk R NB (Rt 9 to I-195)	01408100	Metedeconk R N Br at Lakewood	Temperature	1	One exceedance within precision level of method and diurnal data in 2010 shows fully supporting.	33	2
01	02040105050040-01	Yards Creek	01443890	Yards Ck at Mt Vernon Rd	Temperature	3	Unsuitable location because directly below outlet of lake that is non trout. Does not represent AU only lake, will locate the station further downstream.	16	5
03	02030103110010-01	Lincoln Park tribs (Pompton River)	01388720	Beaver Dam Bk at Ryerson Rd	TP	1	Low exceedance frequency with only 2 of 42 samples exceeding in the last 10 years.	20	2
14	02040301160100-01	Blue Anchor Brook	0140940950	Blue Anchor Bk at Elm	TP	1	2 of 20 samples exceed the criteria with only 2 of 42 samples exceeding in the last 10 years, low exceedance frequency.	20	2
15	02040302030030-01	Four Mile Branch (GEHR)	Crystal Spring Lake	Crystal Spring Lake	TP	3	Crystal Spring Lake is deminimus, located on a small tributary in the headwaters. Station 01410810 is representative of the AU on the mainstrem located downstream near the tributary with the Great Egg Harbor River showing all 9 samples fully attaining with the highest value being only 0.025 mg/l. Both stations data taken in same time frame: lake (2006), 01410810 (2004-2006)	3	3
15	02040302040070-01	Hospitality Br (below Piney Hollow Rd)	01411071	Hospitality Br on RR track near Rt 54 in Folsom	TP	1	At station 01411071, only 2 out of 32 samples are exceeding the criteria in last 10 years. The 2 excursions seem to be typos since they are a magnitude higher than all of the other data and occurred in the same year 2009. Need to confirm the data entry. In addition, Cains Mill Lake in AU shows full attainment for TP.	32	2
08	02030105050040-01	Lamington R (Pottersville gage FurnaceRd)	01399320	Lamington R at Rt 24 in Milltown	TP	1	One excursion during drought and one excursion within the analytical precision.	14	2

WMA	Assessment Unit	Assessment Unit Name	Station Number	Station Name	Parameter	Sublist	Explanation	Total Samples	Total Exceedances
15	02040302040120-01	Deep Run (GEHR)	Pancoast Mill Pond	Pancoast Mill Pond	TP	3	Pancoast Mill Pond has 2 TP exceedances out of 3 samples from 2008. Station 01411140 located downstream near the confluence with the Great Egg Harbor River has shown in the last 10 yrs (30 samples) no exceedances of the criteria. Require more data at Pancoast Mill Pond before listing AU as impaired for TP. Discharger upstream discharging @ 0.	3	2
08	02030105010070-01	Raritan R SB (StoneMill gage to Califon)	01396350	Raritan R S Br at Raritan R Rd in Califon	TP	1	2 exceedances in 2009, exceedances much higher than other data, need to investigate if these are typos. Upstream is fully attaining for TP, will not list in 2014, will investigate further in 2016 when the Raritan watershed is the primary region.	14	2
04	02030103140040-01	Saddle River (above Ridgewood gage)	01390500	Saddle R at Ridgewood	TP	1	Data collected at 01390510 and 01390518. Two most recent excursions at 01390510 are within the precision of method. Stations upstream are fully attaining for TP. Did not list in 2014, will investigate further in 2016.	27	4
13	02040301060020-01	Toms River (74-22-30 rd to FrancisMills)	01408260	Toms R on Rt 528 in Cassville	TP	1	Only 1 exceedance in last 5 years and 2 of 39 samples exceed in last 10 years. Low exceedance frequency.	20	1
02	02020007010010-01	Wallkill R / Lake Mohawk(above Sparta Sta)	01367625	Wallkill R at Sparta	TP	1	In last 10 years only 3 of 47 exceed the criteria, very low exceedance frequency. In addition, data from Lake Mohawk upstream shows full attainment for TP.	20	3
12	02030104070030-01	Big Brook	01407320	Big Brook at Cross Rd in Colts Neck	TSS	1	Only 1 exceedance,MCHD-57 also had 1 exceedance, exceedances on consequtive days, 01407280 in HUC is full attain, do not list	21	1

WMA	Assessment Unit	Assessment Unit Name	Station Number	Station Name	Parameter	Sublist	Explanation	Total Samples	Total Exceedances
12	02030104100070-01	Mingamahone Brook (below Asbury Rd)	MCHD-23	Mingomohone Bk at Belmar Blvd in Farmingdale	TSS	1	Only 1 of 29 samples exceed the criteria since 2003. At R60 only 1 of 12 samples exceed with newer data, low exceedance frequency.	36	3
04	02030103120110-01	Passaic R Lwr (Goeffle Bk to Pump stn)	01389500	Passaic R at Little Falls	TSS	1	One of the two excursions are estimated, do not list since there is less than 2 confirmed exceedances of the criteria.	20	2
04	02030103120090-01	Passaic R Lwr (Saddle R to Dundee Dam)	NJHDG-5	Passaic River at Dundee Dam	TSS	1	Extremely low exceedance frequency with only 2 of 110 samples exceeding the criteria.	110	2
04	02030103120080-01	Passaic R Lwr (Dundee Dam to F.L. Ave)	NJHDG-4	Passaic River at Market St	TSS	1	Very low exceedance frequency, and 1 of 2 excursions within the precision of the method.	114	2
04	02030103120110-01	Passaic R Lwr (Goeffle Bk to Pump stn)	NJHDG-1	Passaic River at Totowa Rd	TSS	1	Very low frequency with only 2 of 76 samples exceeding the criteria.	76	2
04	02030103150020-01	Second River	NJHDG-9	Second River	TSS	1	Extremely low exceedance frequency. One excursion is within the precision of the method. The other excurision is suspect as a typo(227 mg/l on 7/14/2010)	112	2
13	02040301080090-01	Toms R Estuary	BB04a	Barnegat Bay at the mouth of the Toms River	Turbidity	1	Extremely low exceedance frequency with only 2 of 104 samples exceeding.	104	2
13	BarnegatBay07	Barnegat Bay Central Bottom	BB09	Barnegat Bay below Barnegat Inlet and close to Long Beach	Turbidity	1	Extremely low exceedance frequency and July and August 2012 intensive sampling shows the 30 day average is below 10 NTU.	106	2
13	BarnegatBay05	Barnegat Bay Central West	BB07a	Barnegat Bay below Oyster Creek and above Barnegat Inlet	Turbidity	1	Very low exceedance frequency and 30 day average for May-Sept 2012 all below 10 NTU, bouy data fully attaining.	102	2
13	BarnegatBay09	Lower Little Egg Harbor Bay	BB14	Little Egg Harbor Inlet near Beach Haven Heights	Turbidity	1	Very low exceedance frequency. In addition, July and August 2012 intensive sampling show 30 day average is below 10 NTU, and buoy data shows the 30 day average is below 10 NTU all the time.	120	4

WMA	Assessment Unit	Assessment Unit Name	Station Number	Station Name	Parameter	Sublist	Explanation	Total Samples	Total Exceedances
13	02040301040020-01	Metedeconk R (Beaverdam Ck to confl)	BTMUA INTAKE	Metedeconk R at BTMUA Intake	Turbidity	1	Extremely low exceedance frequency with only 2 of 1346 samples exceeding the criteria.	1346	2
13	02040301030040-01	Metedeconk R SB (Rt 9 to Bennetts Pond)	SF	Metedeconk R S Br at Watering Place Bk at Sunset Rd in Lakewood	Turbidity	1	Low exceedance frequency, localized and only occurs during storms with 1+ inches of rain(12/1/2010, 12/7/2011, 5/9/2012). Station SE downstream showed full attainment with 141 samples. Plan to conduct more sampling at this location during stormflow.	86	3
09	02030105120140-01	Raritan R Lwr (I-287 Piscatway-Millstone)	01403300	Raritan R at Queens Bridge	Turbidity	1	Low exceedance frequency, and one of the exceedances is suspect on 1/31/2013 with a value of 221 mg/l. Will investigate further in 2016 when the Raritan watershed is the primary region.	22	2

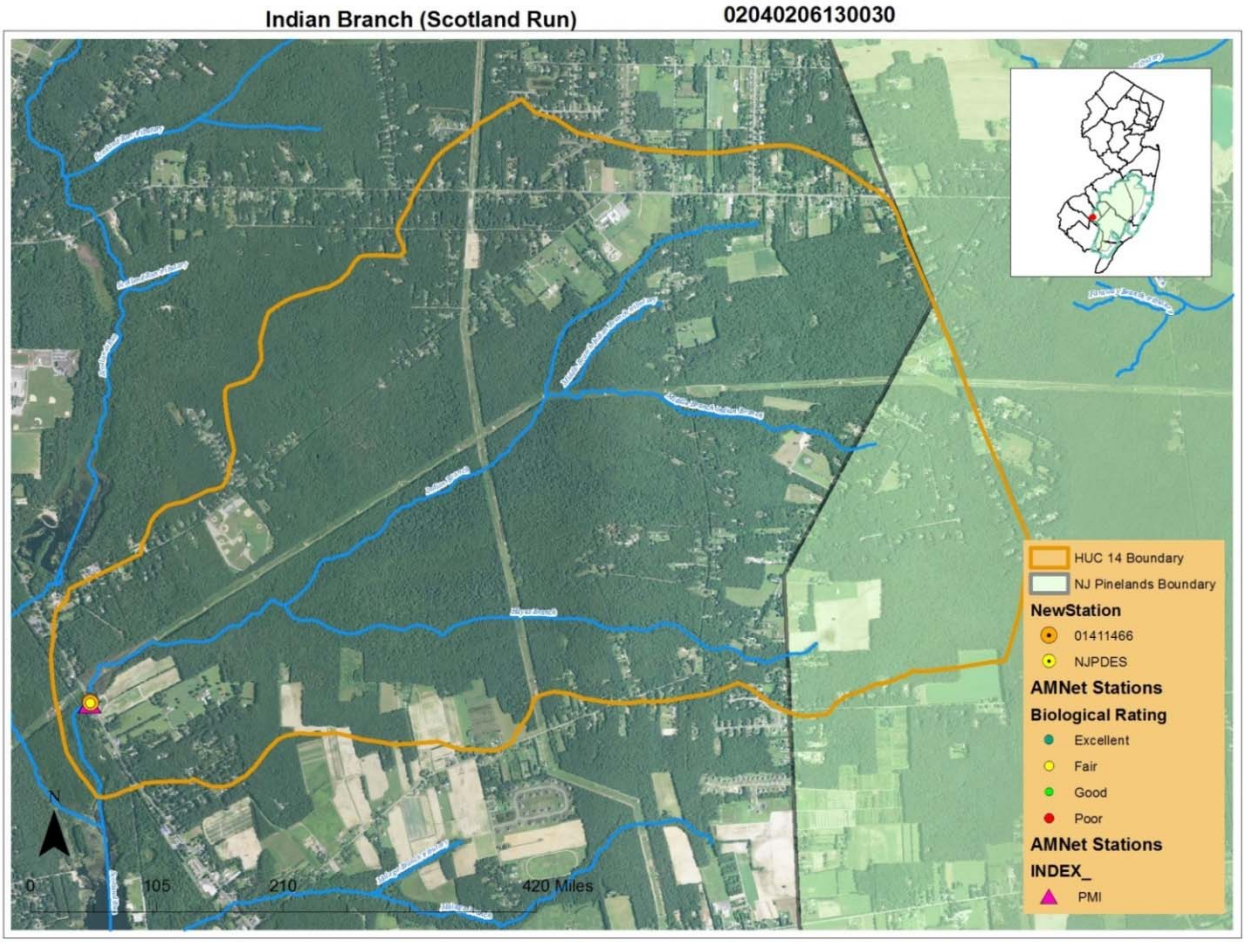
Appendix D: Justification for pH Not Listed Due to Natural Conditions

1. Indian Branch (Scotland Run)

Assessment Unit Information:

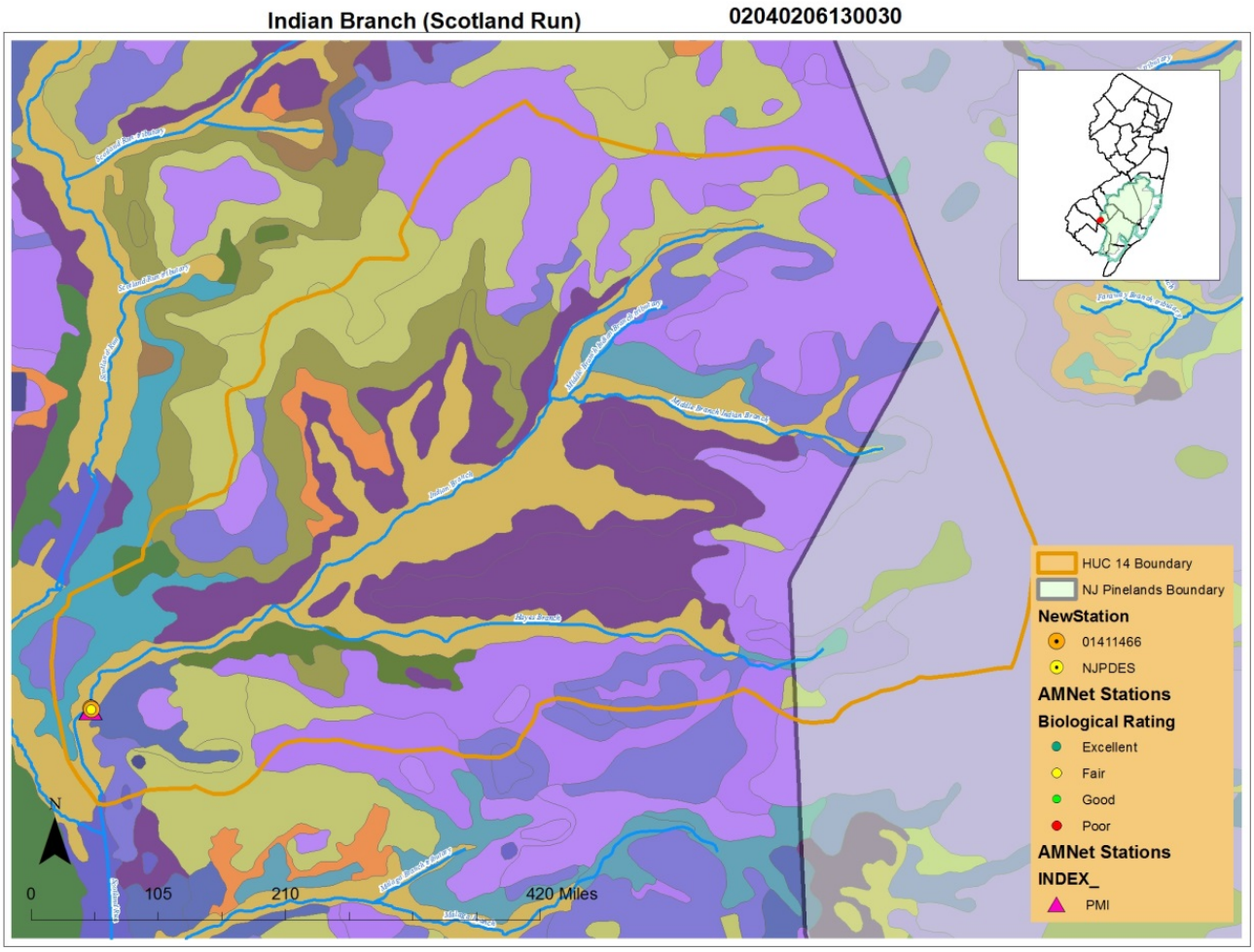
AU Number	AU Name	WMA	Station	Station Name
02040206130030-01	Indian Branch (Scotland Run)	17	01411466	Indian Br near Malaga
02040206130030-01	Indian Branch (Scotland Run)	17	AN0724	Indian Br

Geographic Information: A portion of the assessment unit (AU) is located inside the Pinelands boundary. The station of concern is located outside the Pinelands boundary. AMNET station AN0724 is located within the AU boundary. PMI has been identified as the appropriate index at this AMNET site and data show no biological impairment.

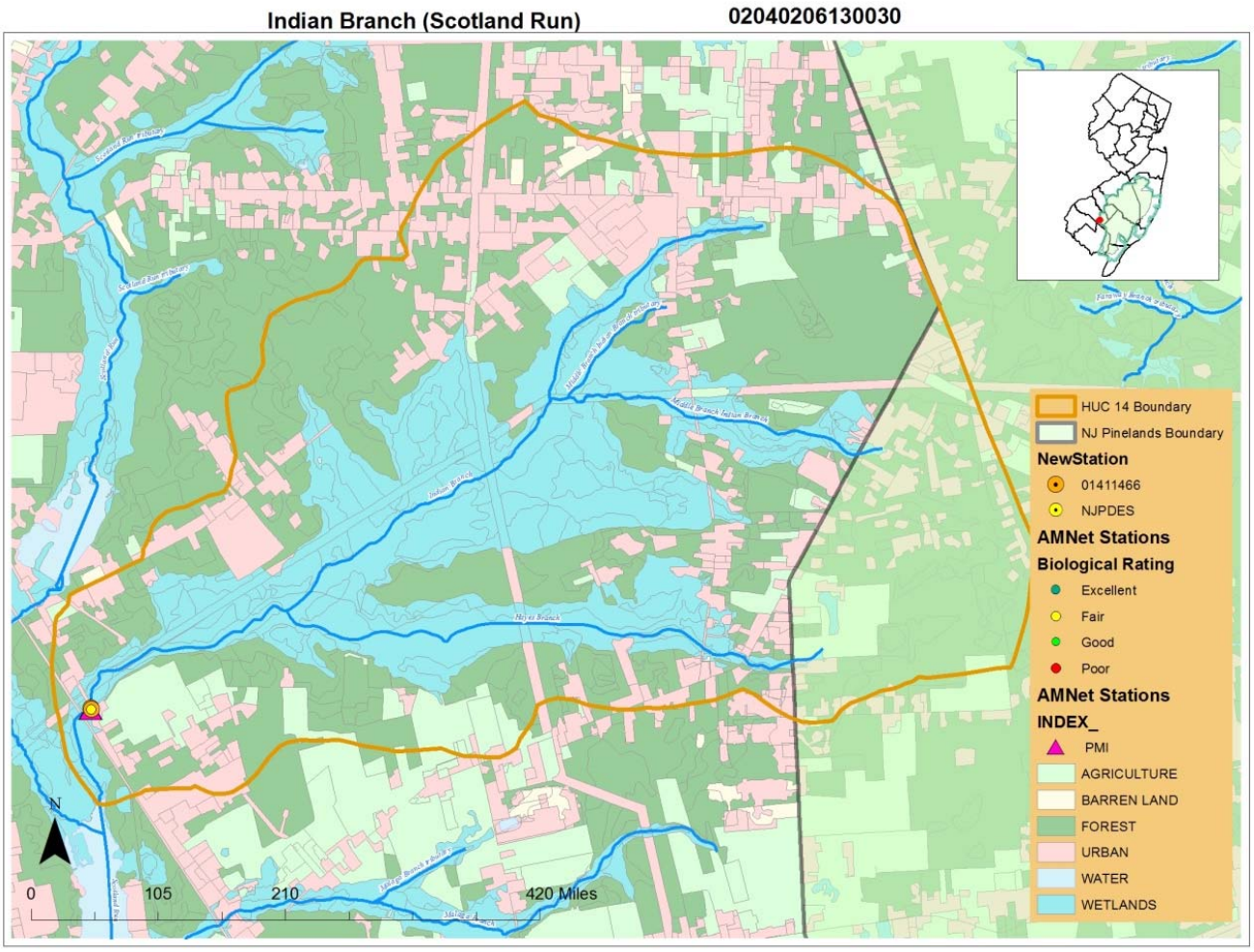


Point Sources: There are no NJPDES point source discharges within the AU.

Soils: Soil types found at the station locations are similar to those found throughout the Pinelands.



Land Uses:


Indian Branch (Scotland Run)
02040206130030
HUC 14 Boundary
NJ Pinelands Boundary
NewStation
01411466
NJPDES
AMNet Stations
Biological Rating
Excellent
Fair
Good
Poor
AMNet Stations
INDEX_
PMI
AGRICULTURE
BARREN LAND
FOREST
URBAN
WATER
WETLANDS
N
0
105
210
420 Miles

Water Quality Data: All pH data at Station 01411466 fall within the Pinelands criteria range for pH.

pH Criteria Thresholds	Pinelands Criterion	South Jersey Criterion
pH high	5.5	7.5
pH low	3.5	4.5

Station	Sample Date	Stream Classification	pH Value
01411466	3/5/2003	FW2-NT	3.3
01411466	5/13/2003	FW2-NT	3.7
01411466	8/12/2003	FW2-NT	4.1
01411466	11/24/2003	FW2-NT	4.1
01411466	2/9/2004	FW2-NT	3.9
01411466	5/19/2004	FW2-NT	4
01411466	9/9/2004	FW2-NT	4.2
01411466	11/15/2004	FW2-NT	3.7
01411466	2/2/2005	FW2-NT	4.2
01411466	6/2/2005	FW2-NT	4.5
01411466	8/18/2005	FW2-NT	5.5
01411466	12/5/2005	FW2-NT	4.1
01411466	2/21/2006	FW2-NT	3.4
01411466	5/25/2006	FW2-NT	3.8
01411466	8/16/2006	FW2-NT	4.9
01411466	11/30/2006	FW2-NT	4.1
01411466	2/22/2007	FW2-NT	4.1
01411466	8/29/2007	FW2-NT	4.8
01411466	11/28/2007	FW2-NT	4.7
01411466	2/25/2008	FW2-NT	4.1
01411466	5/22/2008	FW2-NT	4.2
01411466	8/20/2008	FW2-NT	5.5
01411466	12/2/2008	FW2-NT	4.0
01411466	3/10/2009	FW2-NT	4.1
01411466	5/6/2009	FW2-NT	4.2
01411466	8/13/2009	FW2-NT	4.2
01411466	11/19/2009	FW2-NT	4.2
01411466	2/18/2010	FW2-NT	3.8
01411466	6/1/2010	FW2-NT	4.8
01411466	8/25/2010	FW2-NT	5.7
01411466	11/22/2010	FW2-NT	4.9

01411466	2/3/2011	FW2-NT	4.8
01411466	5/25/2011	FW2-NT	4.4
01411466	8/23/2011	FW2-NT	4.2
01411466	11/15/2011	FW2-NT	4.8
01411466	2/23/2012	FW2-NT	4.7
01411466	6/13/2012	FW2-NT	5.2
01411466	8/22/2012	FW2-NT	5.5
01411466	12/4/2012	FW2-NT	4.9
01411466	2/11/2013	FW2-NT	4.4
01411466	5/28/2013	FW2-NT	5.0

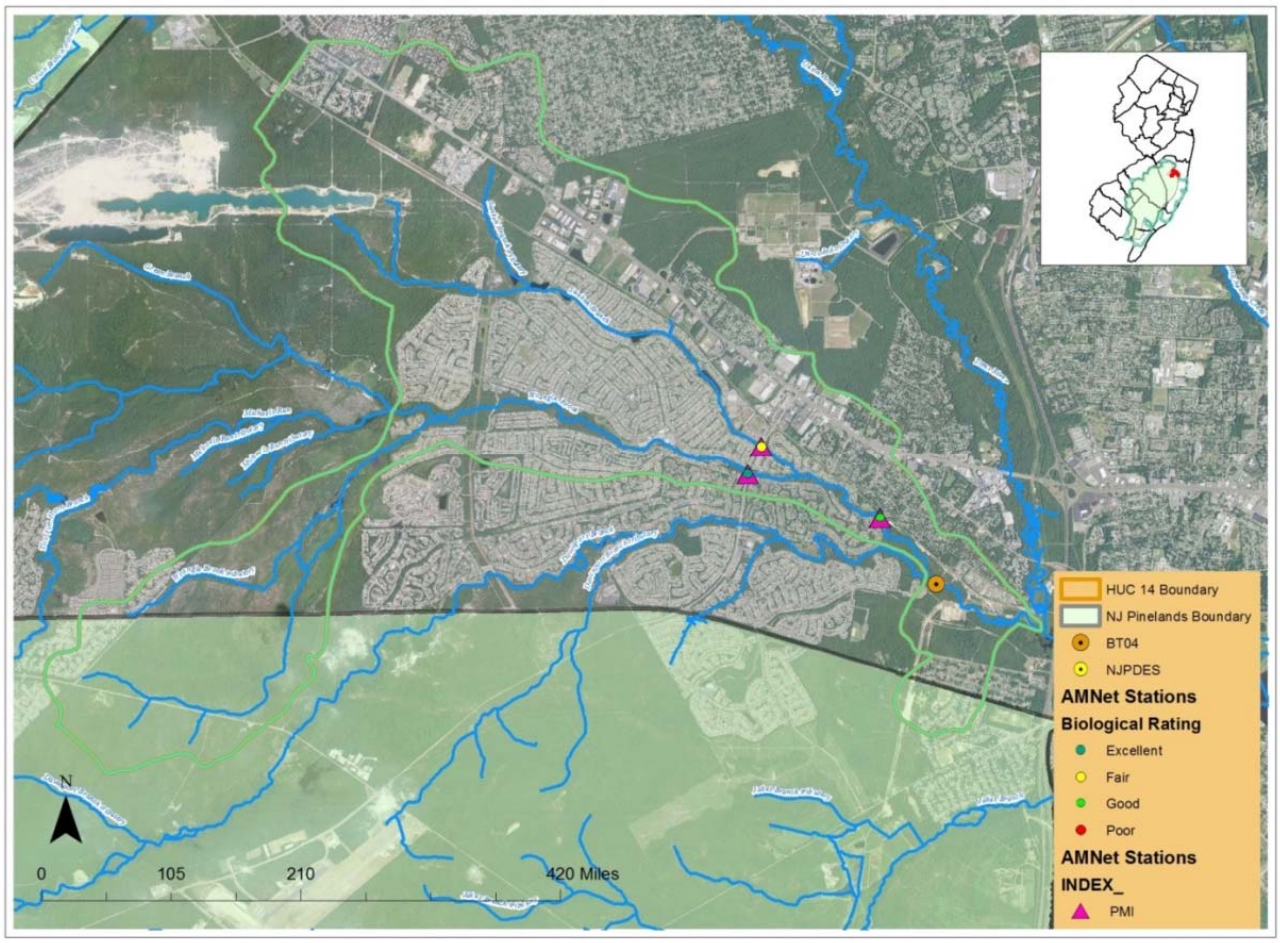
2. Wrangel Brook (below Michaels Branch)

Assessment Unit Information:

AU Number	AU Name	WMA	Station	Station Name
02040301080050-01	Wrangel Brook (below Michaels Branch)	13	BT04	Wrangle Brook near Toms River NJ
02040301080050-01	Wrangel Brook (below Michaels Branch)	13	AN0537	Wrangle Bk

Geographic Information: A portion of the AU is located inside the Pinelands boundary. The station of concern is located outside the Pinelands boundary. There are three AMNET stations located within the AU: AN0537, AN0538 and AN0539. PMI has been identified as the appropriate index at these AMNET sites and data for all three stations show no biological impairment.

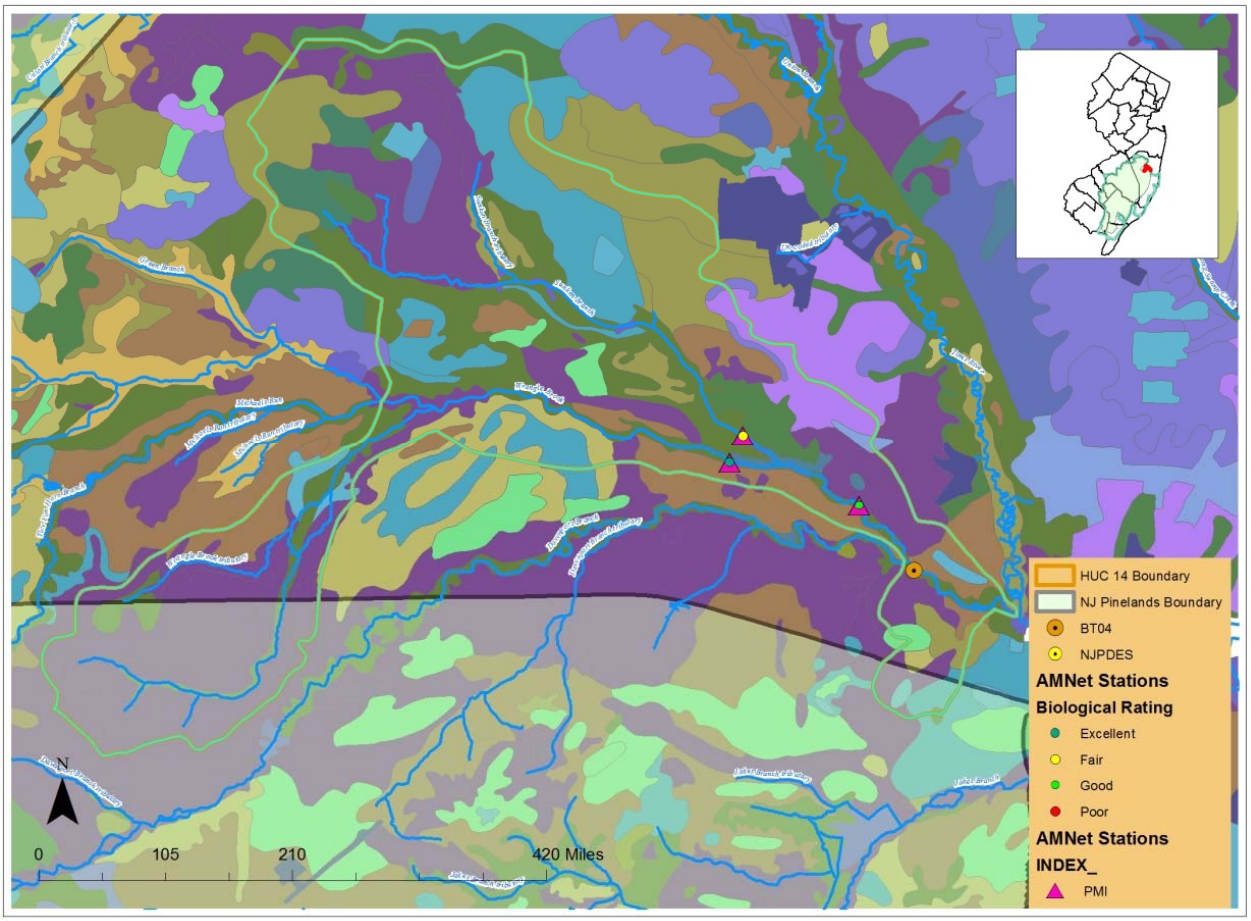
Wrangel Brook (below Michaels Branch) 02040301080050



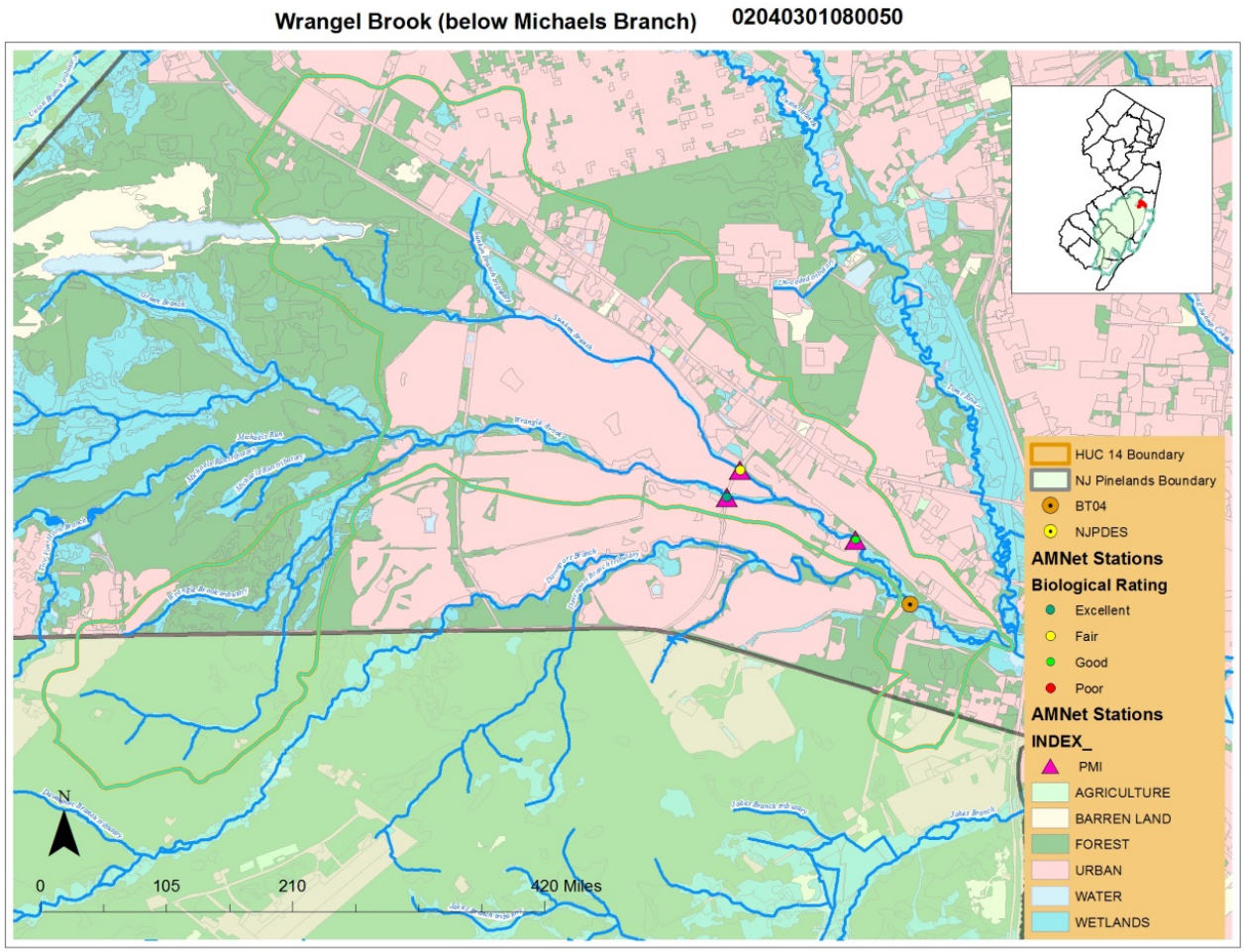
Point Sources: There are no NJPDES point source discharges within the AU.

Soils: Soil types found at the station locations are similar to those found throughout the Pinelands region.

Wrangel Brook (below Michaels Branch) 02040301080050



Land Uses:


Wrangel Brook (below Michaels Branch) 02040301080050
HUC 14 Boundary
NJ Pinelands Boundary
BT04
NJPDES
AMNet Stations
Biological Rating
Excellent
Fair
Good
Poor
AMNet Stations
INDEX_
PMI
AGRICULTURE
BARREN LAND
FOREST
URBAN
WATER
WETLANDS
N
0
105
210
420 Miles

Station Data: All pH data at Station BT04 fall within the Pinelands criteria range for pH.

pH Criteria Thresholds	Pinelands Criterion	South Jersey Criterion
pH high	5.5	7.5
pH low	3.5	4.5

Station	Sample Date	Stream Classification	pH Value
BT04	23-Jun-11	FW2-NT	5.26
BT04	05-Jul-11	FW2-NT	4.16
BT04	21-Jul-11	FW2-NT	4.78
BT04	08-Aug-11	FW2-NT	4.6
BT04	25-Aug-11	FW2-NT	4.5
BT04	15-Sep-11	FW2-NT	4.1
BT04	26-Sep-11	FW2-NT	3.86
BT04	12-Dec-11	FW2-NT	4.36
BT04	10-Jan-12	FW2-NT	4.41
BT04	26-Jan-12	FW2-NT	4.62
BT04	07-Feb-12	FW2-NT	4.24
BT04	23-Feb-12	FW2-NT	4.68
BT04	06-Mar-12	FW2-NT	5.18
BT04	22-Mar-12	FW2-NT	5.54
BT04	03-Apr-12	FW2-NT	5.13
BT04	10-Apr-12	FW2-NT	5.81
BT04	19-Apr-12	FW2-NT	5.42
BT04	25-Apr-12	FW2-NT	3.88
BT04	08-May-12	FW2-NT	4.0
BT04	17-May-12	FW2-NT	4.05
BT04	23-May-12	FW2-NT	4.15
BT04	29-May-12	FW2-NT	4.47
BT04	05-Jun-12	FW2-NT	4.75
BT04	14-Jun-12	FW2-NT	4.38
BT04	20-Jun-12	FW2-NT	6.06
BT04	25-Jun-12	FW2-NT	4.3
BT04	05-Jul-12	FW2-NT	5.82
BT04	09-Jul-12	FW2-NT	4.67
BT04	16-Jul-12	FW2-NT	5.5
BT04	23-Jul-12	FW2-NT	5.36
BT04	26-Jul-12	FW2-NT	5.25
BT04	06-Aug-12	FW2-NT	5.22
BT04	13-Aug-12	FW2-NT	4.6
BT04	16-Aug-12	FW2-NT	4.7
BT04	28-Aug-12	FW2-NT	5.24

BT04	12-Sep-12	FW2-NT	4.73
BT04	17-Sep-12	FW2-NT	4.89
BT04	25-Sep-12	FW2-NT	4.46
BT04	11-Oct-12	FW2-NT	5.55
BT04	22-Oct-12	FW2-NT	5.1
BT04	08-Nov-12	FW2-NT	5.2
BT04	19-Nov-12	FW2-NT	4.7
BT04	06-Dec-12	FW2-NT	4.56
BT04	17-Dec-12	FW2-NT	4.36
BT04a	06-Jun-11	FW2-NT	5.5

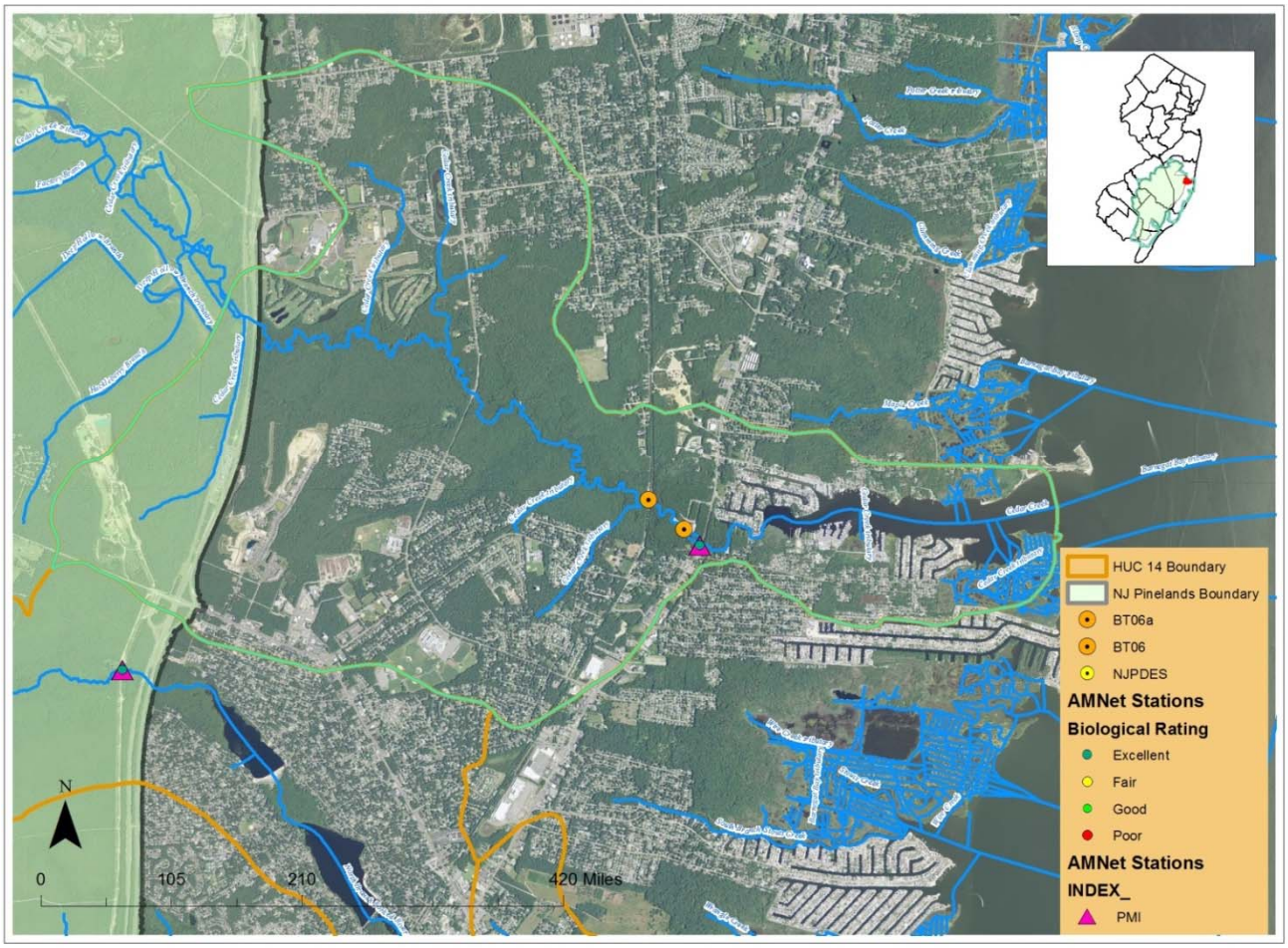
3. Cedar Creek (below GS Parkway)

Assessment Unit Information:

AU Number	AU Name	WMA	Station	Station Name
02040301090060-01	Cedar Creek (below GS Parkway)	13	BT06	Cedar Creek at Lanoka Harbor
02040301090060-01	Cedar Creek (below GS Parkway)	13	BT06a	Cedar Creek at Lanoka Harbor
02040301090060-01	Cedar Creek (below GS Parkway)	13	AN0549	Cedar Ck

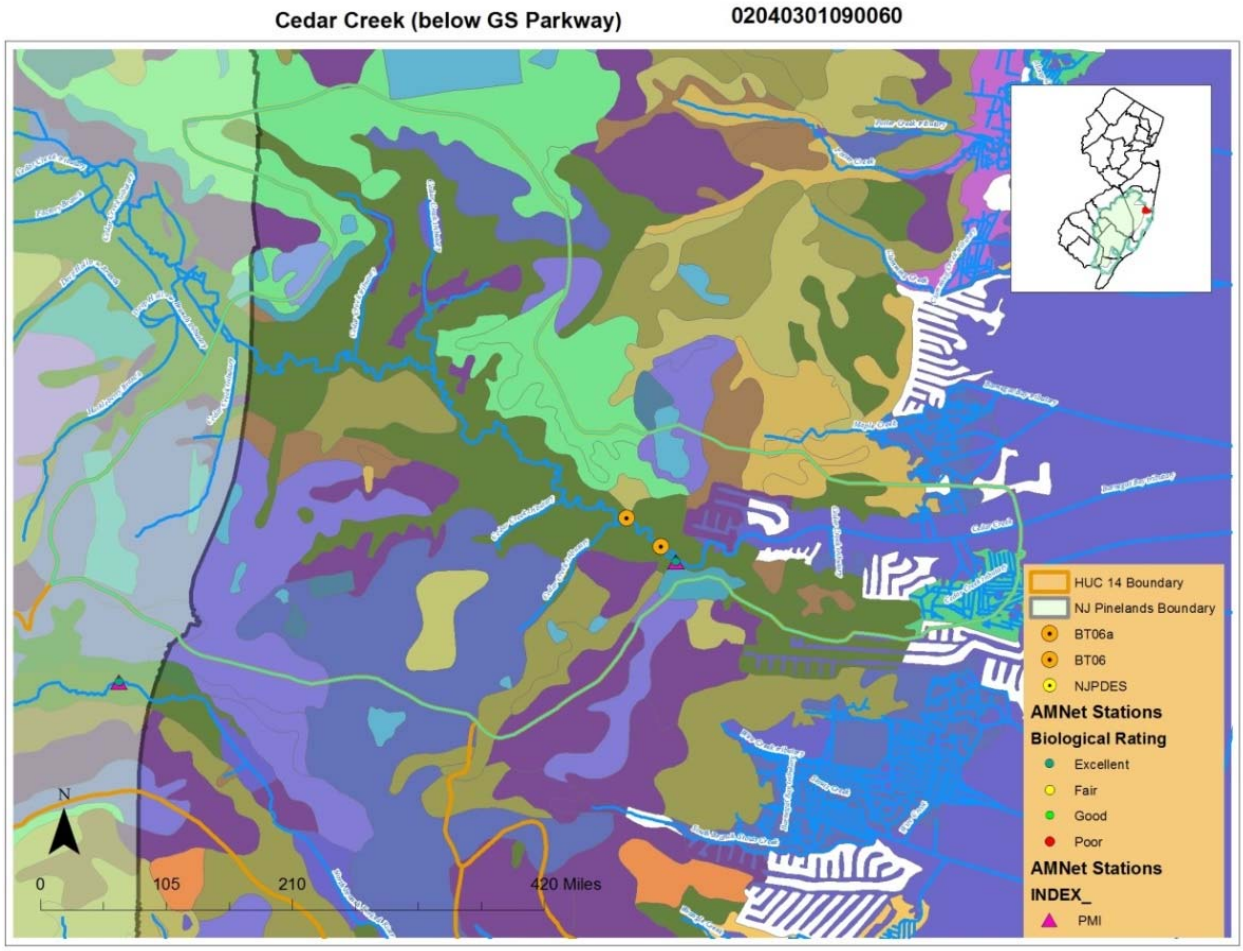
Geographic Information: A portion of the AU is located inside the Pinelands boundary. The station of concern is located outside the Pinelands boundary. AMNET Station AN0549 is located within the AU. PMI has been identified as the appropriate index at the AMNET site and data show no biological impairment.

Cedar Creek (below GS Parkway) 02040301090060

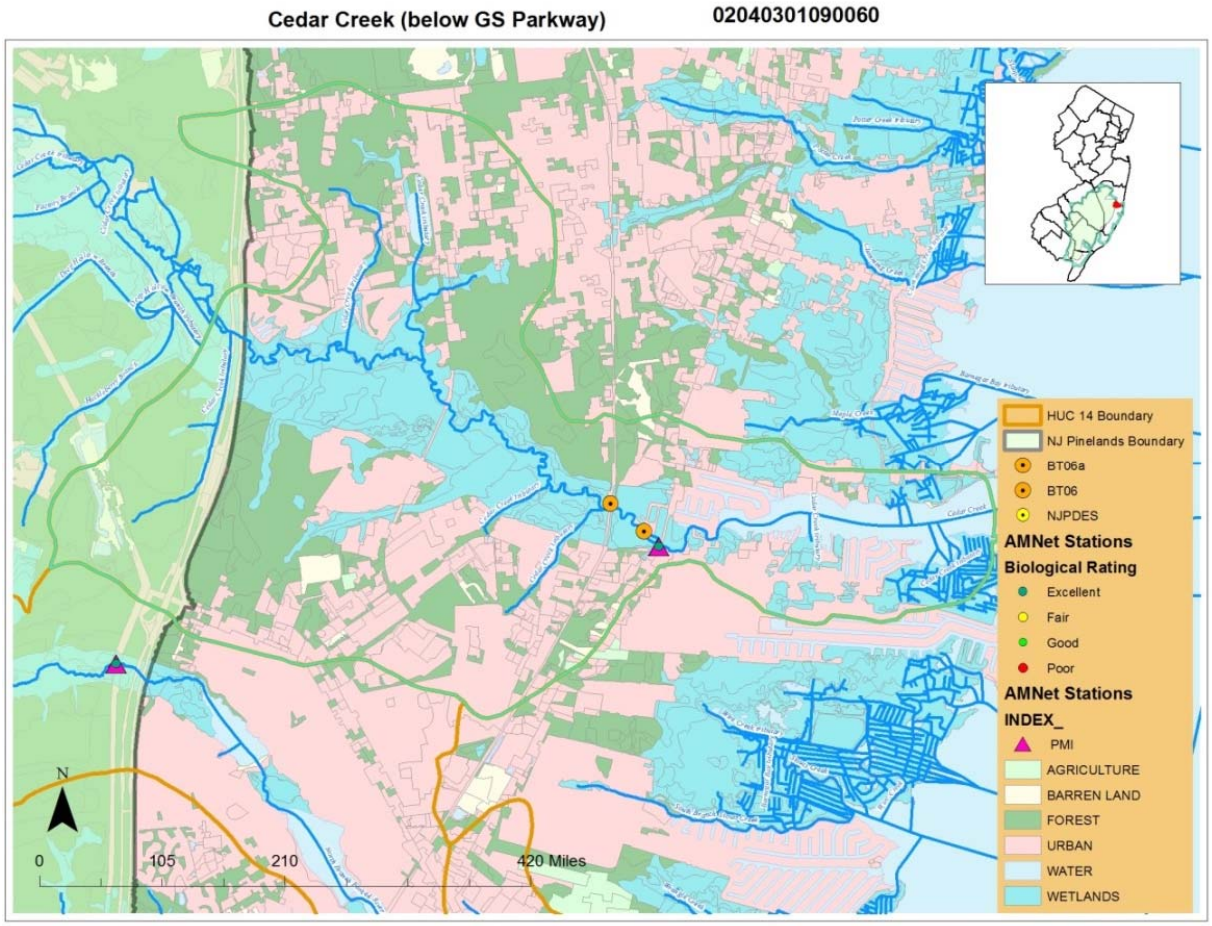


Point Sources: There are no NJPDES point source discharges within the AU.

Soils: The soil type found at the station locations is Manahawkin Muck (MakAt), which is found throughout the Pinelands region.



Land Uses:


Cedar Creek (below GS Parkway)
02040301090060
HUC 14 Boundary
NJ Pinelands Boundary
BT06a
BT06
NJPDES
AMNet Stations
Biological Rating
Excellent
Fair
Good
Poor
AMNet Stations
INDEX_
PMI
AGRICULTURE
BARREN LAND
FOREST
URBAN
WATER
WETLANDS
N
0
105
210
420 Miles

Station Data: All data at Stations BT06 and BT06a fall within the Pinelands criteria range for pH.

pH Criteria Thresholds	Pinelands Criterion	South Jersey Criterion
pH high	5.5	7.5
pH low	3.5	4.5

Station	Sample Date	Stream Classification	pH Value
BT06	06-Jun-11	FW2-NT	5.09
BT06	23-Jun-11	FW2-NT	4.91
BT06	05-Jul-11	FW2-NT	4.51
BT06	21-Jul-11	FW2-NT	4.9
BT06	08-Aug-11	FW2-NT	6.82
BT06	25-Aug-11	FW2-NT	4.57
BT06	15-Sep-11	FW2-NT	4.41
BT06	26-Sep-11	FW2-NT	4.37
BT06	13-Oct-11	FW2-NT	4.55
BT06	24-Oct-11	FW2-NT	4.69
BT06	12-Dec-11	FW2-NT	4.8
BT06	10-Jan-12	FW2-NT	4.83
BT06	26-Jan-12	FW2-NT	4.67
BT06	07-Feb-12	FW2-NT	4.81
BT06	23-Feb-12	FW2-NT	4.79
BT06	06-Mar-12	FW2-NT	6.95
BT06	22-Mar-12	FW2-NT	5.11
BT06	03-Apr-12	FW2-NT	4.75
BT06	10-Apr-12	FW2-NT	4.81
BT06a	19-Apr-12	FW2-NT	4.84
BT06a	08-May-12	FW2-NT	4.6
BT06a	17-May-12	FW2-NT	4.46
BT06a	23-May-12	FW2-NT	4.35
BT06a	29-May-12	FW2-NT	4.58
BT06a	05-Jun-12	FW2-NT	4.31
BT06a	14-Jun-12	FW2-NT	4.3
BT06a	20-Jun-12	FW2-NT	4.58
BT06a	25-Jun-12	FW2-NT	4.73
BT06a	05-Jul-12	FW2-NT	4.79
BT06a	09-Jul-12	FW2-NT	4.63
BT06a	16-Jul-12	FW2-NT	4.69
BT06a	23-Jul-12	FW2-NT	4.94
BT06a	26-Jul-12	FW2-NT	4.88
BT06a	06-Aug-12	FW2-NT	4.5
BT06a	13-Aug-12	FW2-NT	4.23

BT06a	16-Aug-12	FW2-NT	4.38
BT06a	28-Aug-12	FW2-NT	4.64
BT06a	06-Sep-12	FW2-NT	4.64
BT06a	12-Sep-12	FW2-NT	4.08
BT06a	17-Sep-12	FW2-NT	4.2
BT06a	25-Sep-12	FW2-NT	4.1
BT06a	11-Oct-12	FW2-NT	4.11
BT06a	22-Oct-12	FW2-NT	4.31
BT06a	08-Nov-12	FW2-NT	4.11
BT06a	19-Nov-12	FW2-NT	4.06
BT06a	06-Dec-12	FW2-NT	4.51
BT06a	17-Dec-12	FW2-NT	4.32
BT06a	07-Jan-13	FW2-NT	4.16
BT06a	29-Jan-13	FW2-NT	4.33
BT06a	05-Feb-13	FW2-NT	4.3
BT06a	26-Feb-13	FW2-NT	4.33
BT06a	05-Mar-13	FW2-NT	4.33
BT06a	21-Mar-13	FW2-NT	3.98
BT06a	27-Mar-13	FW2-NT	4.22
BT06a	01-Apr-13	FW2-NT	4.33
BT06a	09-Apr-13	FW2-NT	4.46
BT06a	18-Apr-13	FW2-NT	4.38
BT06a	24-Apr-13	FW2-NT	4.47
BT06a	06-May-13	FW2-NT	4.55
BT06a	14-May-13	FW2-NT	5.1
BT06a	23-May-13	FW2-NT	4.94
BT06a	29-May-13	FW2-NT	4.72
BT06a	03-Jun-13	FW2-NT	4.76
BT06a	10-Jun-13	FW2-NT	4.2
BT06a	12-Jun-13	FW2-NT	4.23
BT06a	20-Jun-13	FW2-NT	4.18
BT06a	26-Jun-13	FW2-NT	4.35

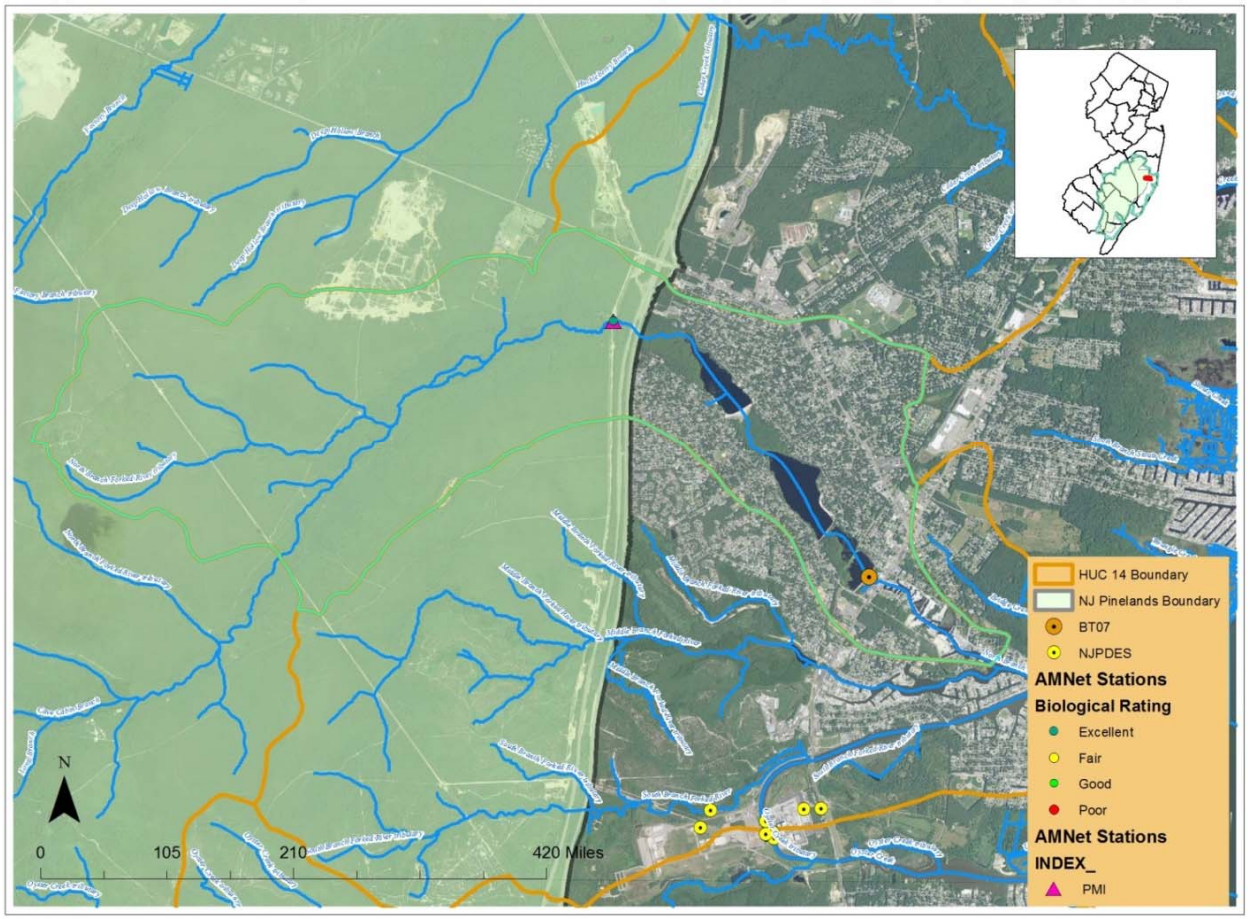
4. Forked River NB (below old RR grade)

Assessment Unit Information:

AU Number	AU Name	WMA	Station	Station Name
02040301110020-01	Forked River NB (below old RR grade)	13	BT07	Forked River NB at Forked River
02040301110020-01	Forked River NB (below old RR grade)	13	AN0615	Mattix Run (Frenches Ditch)

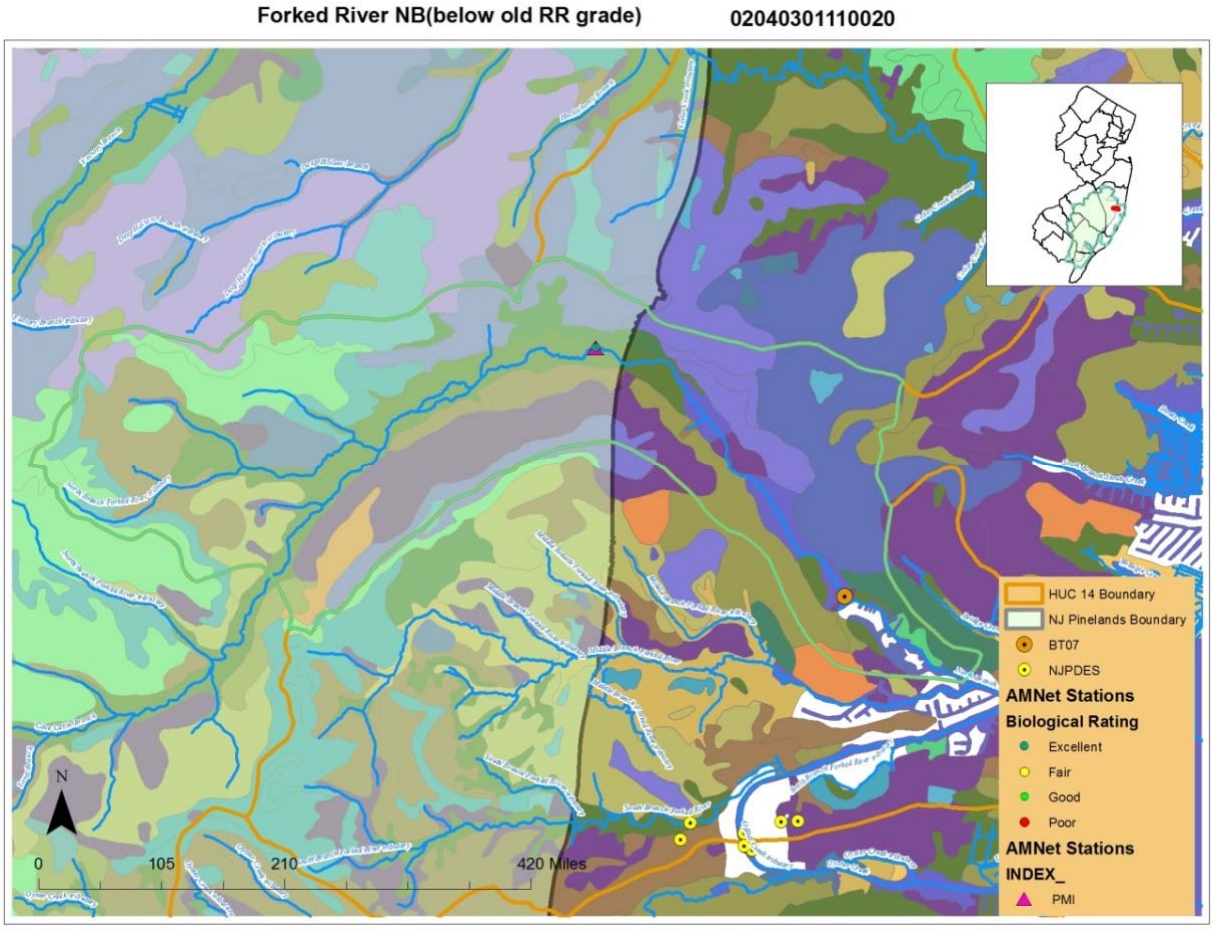
Geographic Information: A portion of the AU is located inside the Pinelands boundary. The station of concern is located outside the Pinelands boundary. AMNET Station AN0615 is located within the AU. PMI has been identified as the appropriate index at the AMNET site and data show no biological impairment.

Forked River NB(below old RR grade) 02040301110020

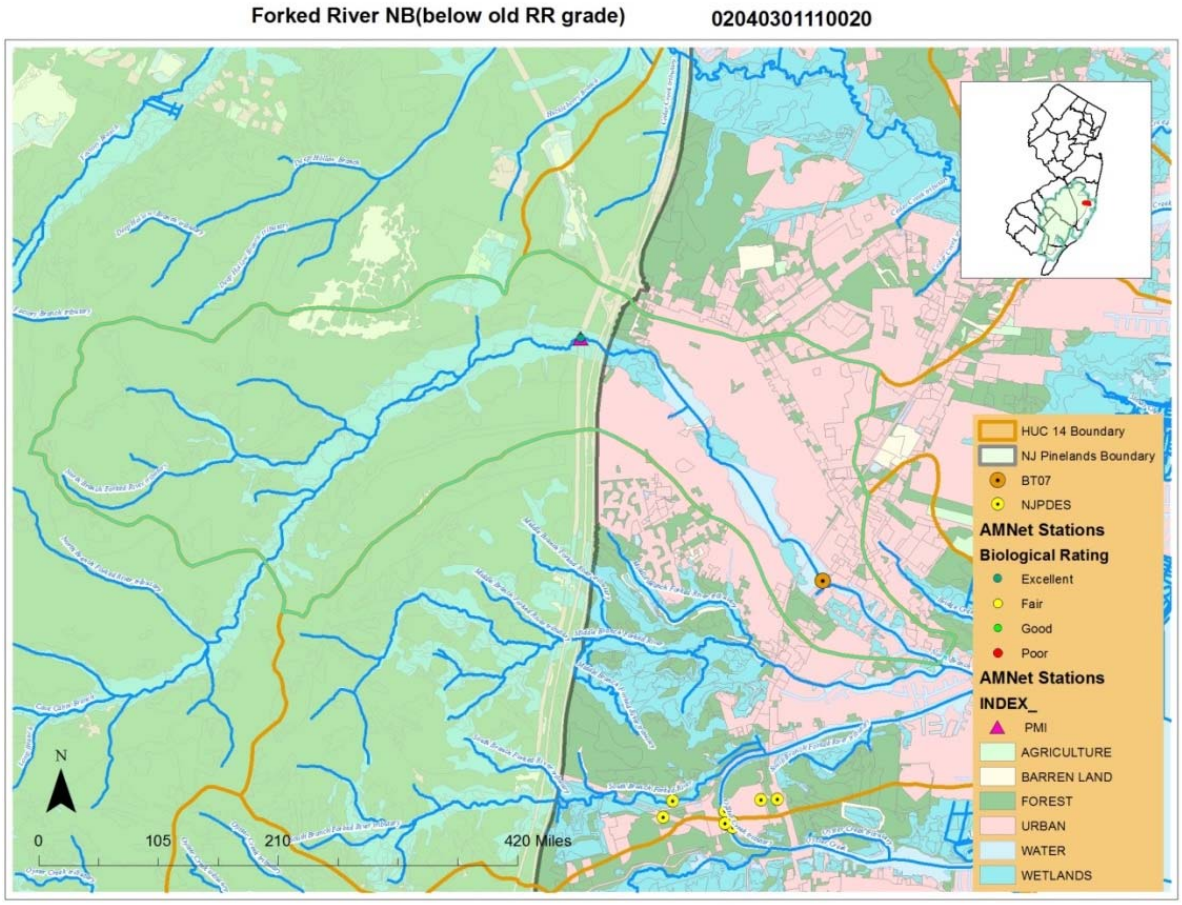


Point Sources: There are no NJPDES point source discharges within the AU.

Soils: Soil types found at station locations are Manahawkin Muck (MakAt) and Evesboro Sands (EveB), which are found throughout out the Pinelands region.



Land Uses:


Forked River NB(below old RR grade)
02040301110020
HUC 14 Boundary
NJ Pinelands Boundary
BT07
NJPDES
AMNet Stations
Biological Rating
Excellent
Fair
Good
Poor
AMNet Stations
INDEX_
PMI
AGRICULTURE
BARREN LAND
FOREST
URBAN
WATER
WETLANDS
N
0
105
210
420 Miles

Station Data: All data at Station BT07 fall within the Pinelands criteria range for pH.

pH Criteria Thresholds	Pinelands Criterion	South Jersey Criterion
pH high	5.5	7.5
pH low	3.5	4.5

Station	Sample Date	Stream Classification	pH Value
BT07	06-Jun-11	FW2-NT	5.09
BT07	23-Jun-11	FW2-NT	4.74
BT07	05-Jul-11	FW2-NT	5.06
BT07	21-Jul-11	FW2-NT	4.93
BT07	08-Aug-11	FW2-NT	4.97
BT07	25-Aug-11	FW2-NT	5
BT07	25-Aug-11	FW2-NT	5.0
BT07	15-Sep-11	FW2-NT	4.05
BT07	26-Sep-11	FW2-NT	5.03
BT07	13-Oct-11	FW2-NT	2.9
BT07	24-Oct-11	FW2-NT	4.36
BT07	14-Nov-11	FW2-NT	4.91
BT07	12-Dec-11	FW2-NT	4.41
BT07	10-Jan-12	FW2-NT	4.2
BT07	26-Jan-12	FW2-NT	4.47
BT07	07-Feb-12	FW2-NT	4.5
BT07	23-Feb-12	FW2-NT	4.59
BT07	06-Mar-12	FW2-NT	4.36
BT07	22-Mar-12	FW2-NT	4.77
BT07	03-Apr-12	FW2-NT	4.59
BT07	10-Apr-12	FW2-NT	4.87
BT07	19-Apr-12	FW2-NT	4.49
BT07	25-Apr-12	FW2-NT	4.74
BT07	08-May-12	FW2-NT	4.71
BT07	17-May-12	FW2-NT	4.63
BT07	23-May-12	FW2-NT	4.5
BT07	29-May-12	FW2-NT	4.62
BT07	05-Jun-12	FW2-NT	4.91
BT07	14-Jun-12	FW2-NT	4.54
BT07	20-Jun-12	FW2-NT	4.41
BT07	25-Jun-12	FW2-NT	4.64
BT07	05-Jul-12	FW2-NT	4.57
BT07	16-Jul-12	FW2-NT	4.49
BT07	23-Jul-12	FW2-NT	4.38
BT07	26-Jul-12	FW2-NT	4.36

BT07	06-Aug-12	FW2-NT	4.33
BT07	13-Aug-12	FW2-NT	4.76
BT07	16-Aug-12	FW2-NT	4.38
BT07	28-Aug-12	FW2-NT	4.6
BT07	06-Sep-12	FW2-NT	4.6
BT07	12-Sep-12	FW2-NT	4.24
BT07	17-Sep-12	FW2-NT	4.67
BT07	25-Sep-12	FW2-NT	4.1
BT07	11-Oct-12	FW2-NT	4.92
BT07	22-Oct-12	FW2-NT	3.98
BT07	08-Nov-12	FW2-NT	4.0
BT07	19-Nov-12	FW2-NT	3.8
BT07	06-Dec-12	FW2-NT	3.98
BT07	17-Dec-12	FW2-NT	3.8
BT07	07-Jan-13	FW2-NT	4.3
BT07	29-Jan-13	FW2-NT	3.78
BT07	05-Feb-13	FW2-NT	3.88
BT07	26-Feb-13	FW2-NT	3.7
BT07	05-Mar-13	FW2-NT	3.78
BT07	12-Mar-13	FW2-NT	6.35
BT07	21-Mar-13	FW2-NT	3.6
BT07	27-Mar-13	FW2-NT	6.16
BT07	01-Apr-13	FW2-NT	4.6
BT07	09-Apr-13	FW2-NT	4.95
BT07	18-Apr-13	FW2-NT	4.6
BT07	24-Apr-13	FW2-NT	4.87
BT07	06-May-13	FW2-NT	4.53
BT07	14-May-13	FW2-NT	4.6
BT07	23-May-13	FW2-NT	4.51
BT07	29-May-13	FW2-NT	4.75
BT07	03-Jun-13	FW2-NT	4.7
BT07	20-Jun-13	FW2-NT	4.56
BT07	26-Jun-13	FW2-NT	4.59

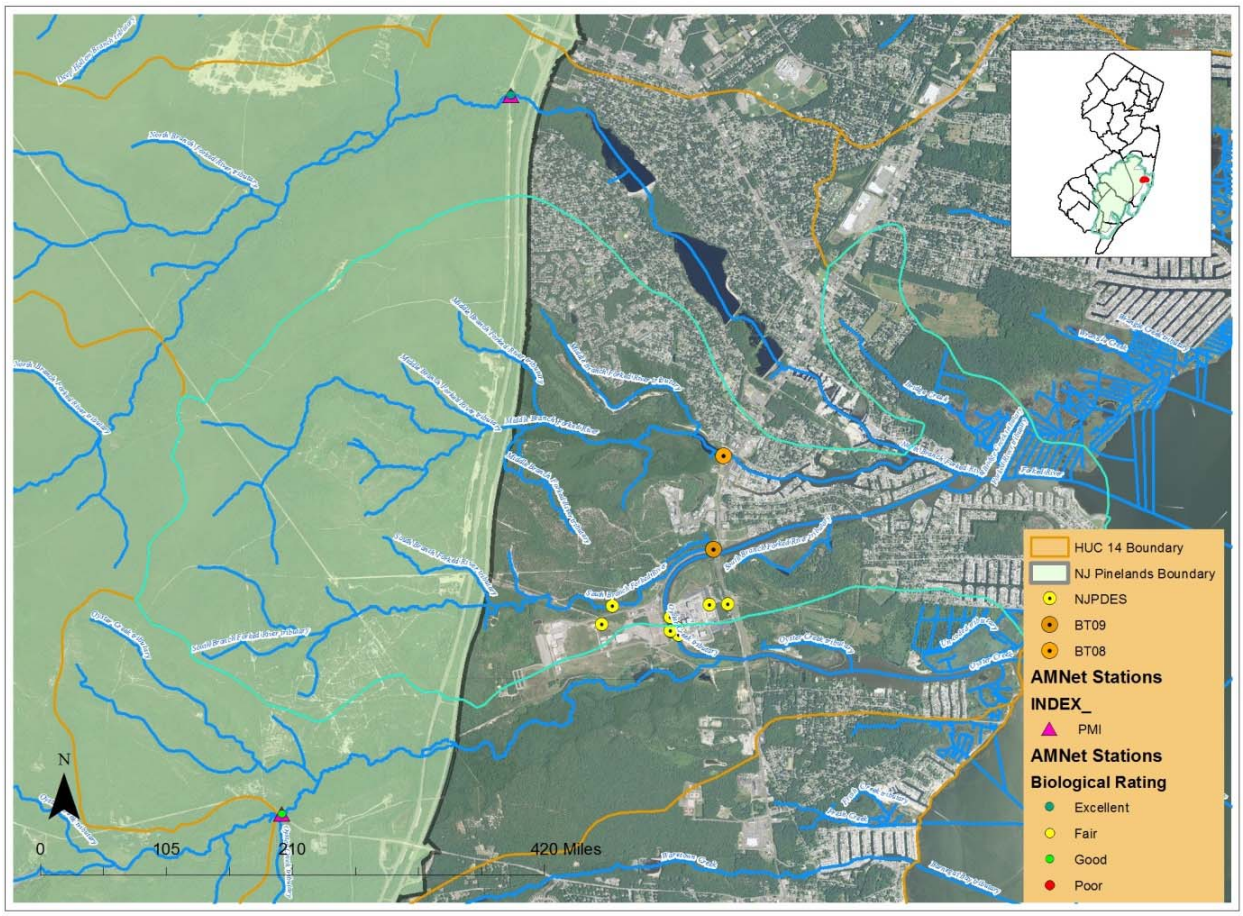
5. Forked River (below NB incl Mid/South Br)

Assessment Unit Information:

AU Number	AU Name	WMA	Station	Station Name
02040301110030-01	Forked River (below NB incl Mid/South Br)	13	BT09	Forked River SB
02040301110030-01	Forked River (below NB incl Mid/South Br)	13	BT08	Middle Branch Forked River

Geographic Information: A portion of the AU is located inside the Pinelands boundary. The station of concern is located outside the Pinelands boundary. Macroinvertebrate data was collected at Stations BT08 and BT09 during the Barnegat Bay water quality monitoring project on 8/25/2011 and show no biological impairment.

Forked River(below NB incl Mid/South Br) 02040301110030



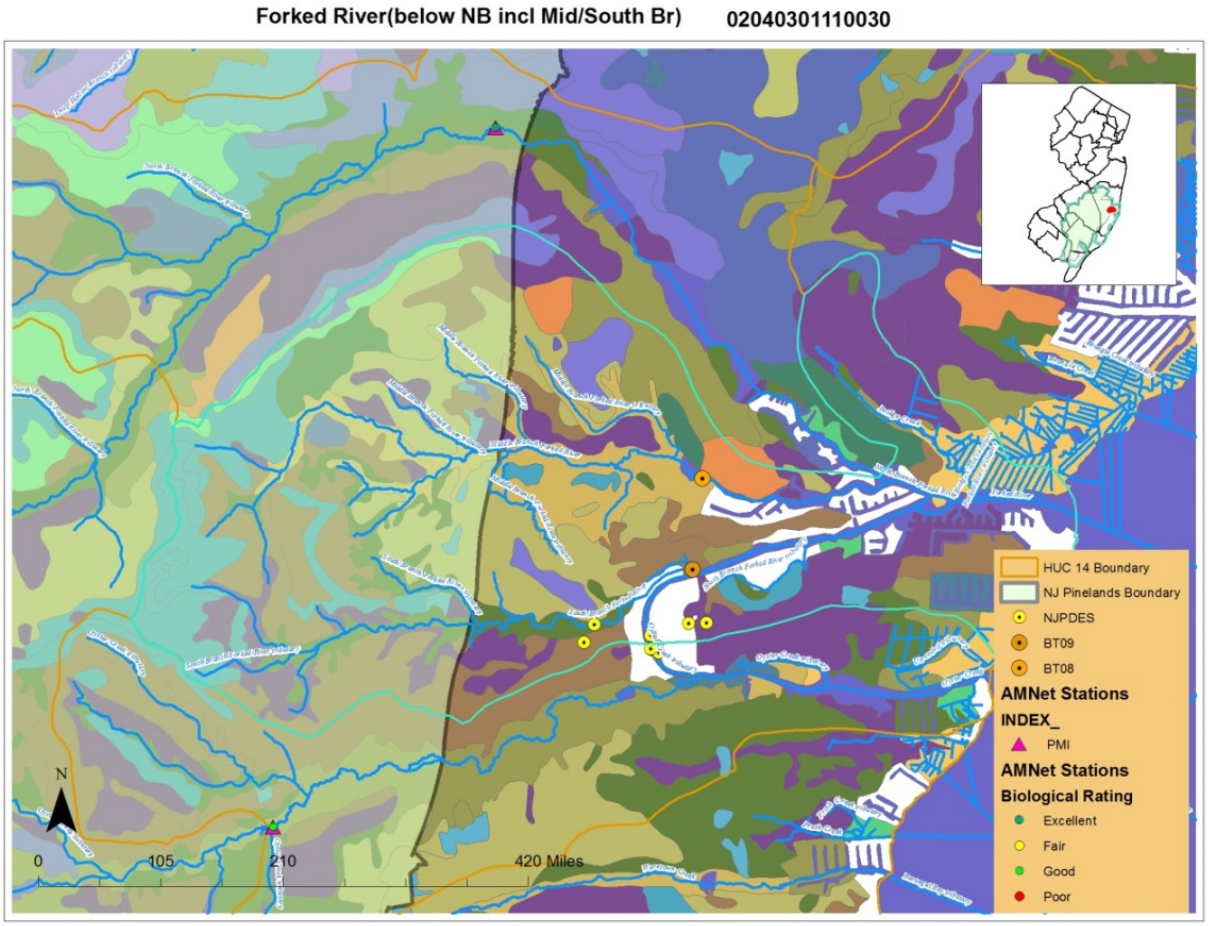
Point Sources: There are several NJPDES point source discharges within the assessment unit; they are all associated with GPU Nuclear Corp - Oyster Ck, NJ0005550. These discharges occur on a tributary to the Oyster Creek. BT08 is located on a tributary of the Forked River and is not influenced by the discharges.

BT09 is located downstream of several of the discharges. Review of the DMR data shows that the discharge is at a neutral pH and would not cause a decrease in pH levels in-stream.

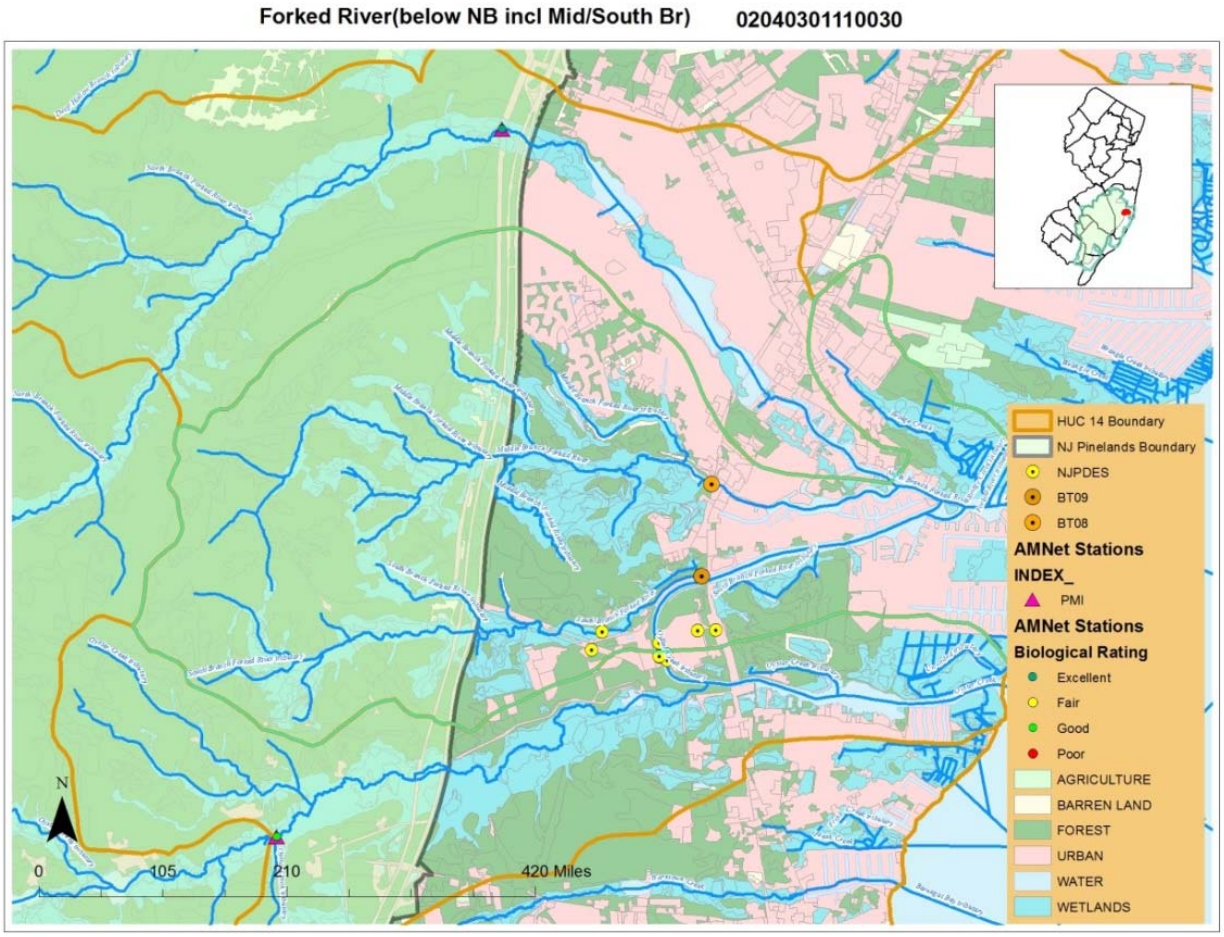
NJPDES Permit Number	Monitored Location	Mon. Period Start Date	Mon. Period End Date	Parameter Description	Sample Point	Concentration Units	Reported Value Concentration Min	Reported Value Concentration Max	Reported Sample Type
NJ0005550	001A	6/1/2011	6/30/2011	pH	Effluent Gross Value	STANDARD UNITS (I.E. PH)	7.5	7.9	Grab
NJ0005550	001A	6/1/2011	6/30/2011	pH	Intake	STANDARD UNITS (I.E. PH)	7.7	7.9	Grab
NJ0005550	001A	7/1/2011	7/31/2011	pH	Effluent Gross Value	STANDARD UNITS (I.E. PH)	7.5	7.8	Grab
NJ0005550	001A	7/1/2011	7/31/2011	pH	Intake	STANDARD UNITS (I.E. PH)	7.4	7.9	Grab
NJ0005550	001A	8/1/2011	8/31/2011	pH	Effluent Gross Value	STANDARD UNITS (I.E. PH)	7.6	7.8	Grab
NJ0005550	001A	8/1/2011	8/31/2011	pH	Intake	STANDARD UNITS (I.E. PH)	7.6	7.8	Grab
NJ0005550	001A	9/1/2011	9/30/2011	pH	Effluent Gross Value	STANDARD UNITS (I.E. PH)	7.6	7.9	Grab
NJ0005550	001A	9/1/2011	9/30/2011	pH	Intake	STANDARD UNITS (I.E. PH)	7.5	7.9	Grab
NJ0005550	001A	10/1/2011	10/31/2011	pH	Effluent Gross Value	STANDARD UNITS (I.E. PH)	7.4	7.9	Grab
NJ0005550	001A	10/1/2011	10/31/2011	pH	Intake	STANDARD UNITS (I.E. PH)	7.6	8	Grab
NJ0005550	001A	11/1/2011	11/30/2011	pH	Effluent Gross Value	STANDARD UNITS (I.E. PH)	7.7	7.9	Grab
NJ0005550	001A	11/1/2011	11/30/2011	pH	Intake	STANDARD UNITS (I.E. PH)	7.6	8	Grab
NJ0005550	001A	12/1/2011	12/31/2011	pH	Effluent Gross Value	STANDARD UNITS (I.E. PH)	7.7	7.9	Grab
NJ0005550	001A	12/1/2011	12/31/2011	pH	Intake	STANDARD UNITS (I.E. PH)	7.6	8	Grab
NJ0005550	001A	1/1/2012	1/31/2012	pH	Effluent Gross Value	STANDARD UNITS (I.E. PH)	7.6	7.9	Grab
NJ0005550	001A	1/1/2012	1/31/2012	pH	Intake	STANDARD UNITS (I.E. PH)	7.8	8.1	Grab
NJ0005550	001A	2/1/2012	2/29/2012	pH	Effluent Gross Value	STANDARD UNITS (I.E. PH)	7.9	8.1	Grab
NJ0005550	001A	2/1/2012	2/29/2012	pH	Intake	STANDARD UNITS (I.E. PH)	7.9	8.1	Grab
NJ0005550	001A	3/1/2012	3/31/2012	pH	Effluent Gross Value	STANDARD UNITS (I.E. PH)	7.7	8	Grab
NJ0005550	001A	3/1/2012	3/31/2012	pH	Intake	STANDARD UNITS (I.E. PH)	7.8	8	Grab
NJ0005550	001A	4/1/2012	4/30/2012	pH	Effluent Gross Value	STANDARD UNITS (I.E. PH)	7.7	8.1	Grab
NJ0005550	001A	4/1/2012	4/30/2012	pH	Intake From Stream	STANDARD UNITS (I.E. PH)	7.6	8.2	Grab

NJ0005550	001A	5/1/2012	5/31/2012	pH	Effluent Gross Value	STANDARD UNITS (I.E. PH)	7.6	7.9	Grab
NJ0005550	001A	5/1/2012	5/31/2012	pH	Intake From Stream	STANDARD UNITS (I.E. PH)	7.6	8.3	Grab
NJ0005550	001A	6/1/2012	6/30/2012	pH	Effluent Gross Value	STANDARD UNITS (I.E. PH)	7.5	7.8	Grab
NJ0005550	001A	6/1/2012	6/30/2012	pH	Intake From Stream	STANDARD UNITS (I.E. PH)	7.6	7.8	Grab

Soils: Soil types found at the station locations are Manahawkin Muck (MakAt) and Lakehurst Sands (LAkB) which are found thorough out the pinelands region.



Land Uses:


Forked River(below NB incl Mid/South Br) 02040301110030
HUC 14 Boundary
NJ Pinelands Boundary
NJPDES
BT09
BT08
AMNet Stations
INDEX_
PMI
AMNet Stations
Biological Rating
Excellent
Fair
Good
Poor
AGRICULTURE
BARREN LAND
FOREST
URBAN
WATER
WETLANDS
N
0
105
210
420 Miles

Station Data: All data at Stations BT08 and BT09 fall within the Pinelands criteria range for pH, except for one sample at BT09 that is above the Pinelands pH threshold but is within the range for South Jersey pH criteria.

pH Criteria Thresholds	Pinelands Criterion	South Jersey Criterion
pH high	5.5	7.5
pH low	3.5	4.5

Station	Sample Date	Stream Classification	pH Value
BT08	06-Jun-11	FW2-NT	4.52
BT08	23-Jun-11	FW2-NT	4.3
BT08	05-Jul-11	FW2-NT	4.27
BT08	21-Jul-11	FW2-NT	4.36
BT08	08-Aug-11	FW2-NT	4.31
BT08	25-Aug-11	FW2-NT	4.33
BT08	15-Sep-11	FW2-NT	4.03
BT08	26-Sep-11	FW2-NT	4.24
BT08	13-Oct-11	FW2-NT	2.49
BT08	13-Oct-11	FW2-NT	5.23
BT08	24-Oct-11	FW2-NT	4.54
BT08	14-Nov-11	FW2-NT	4.11
BT08	12-Dec-11	FW2-NT	4.2
BT08	10-Jan-12	FW2-NT	4.0
BT08	26-Jan-12	FW2-NT	4.02
BT08	07-Feb-12	FW2-NT	4.08
BT08	23-Feb-12	FW2-NT	4.23
BT08	06-Mar-12	FW2-NT	4.0
BT08	22-Mar-12	FW2-NT	4.03
BT08	03-Apr-12	FW2-NT	4.19
BT08	10-Apr-12	FW2-NT	4.42
BT08	19-Apr-12	FW2-NT	3.93
BT08	25-Apr-12	FW2-NT	4.01
BT08	08-May-12	FW2-NT	4.0
BT08	17-May-12	FW2-NT	3.99
BT08	23-May-12	FW2-NT	3.98
BT08	29-May-12	FW2-NT	3.92
BT08	05-Jun-12	FW2-NT	4.25
BT08	20-Jun-12	FW2-NT	3.9
BT08	25-Jun-12	FW2-NT	3.71
BT08	05-Jul-12	FW2-NT	3.75
BT08	23-Jul-12	FW2-NT	3.41
BT08	06-Aug-12	FW2-NT	4.41

BT08	28-Aug-12	FW2-NT	4.4
BT08	12-Sep-12	FW2-NT	4.23
BT08	17-Sep-12	FW2-NT	4.49
BT08	11-Oct-12	FW2-NT	4.29
BT08	08-Nov-12	FW2-NT	3.7
BT08	19-Nov-12	FW2-NT	3.7
BT08	06-Dec-12	FW2-NT	3.6
BT08	17-Dec-12	FW2-NT	3.5
BT09	06-Jun-11	FW2-NT	4.48
BT09	23-Jun-11	FW2-NT	4.64
BT09	05-Jul-11	FW2-NT	4.5
BT09	21-Jul-11	FW2-NT	4.57
BT09	08-Aug-11	FW2-NT	4.67
BT09	25-Aug-11	FW2-NT	4.4
BT09	15-Sep-11	FW2-NT	4.74
BT09	26-Sep-11	FW2-NT	4.25
BT09	13-Oct-11	FW2-NT	4.52
BT09	24-Oct-11	FW2-NT	4.39
BT09	14-Nov-11	FW2-NT	4.1
BT09	12-Dec-11	FW2-NT	4.42
BT09	10-Jan-12	FW2-NT	4.62
BT09	26-Jan-12	FW2-NT	4.63
BT09	07-Feb-12	FW2-NT	4.38
BT09	23-Feb-12	FW2-NT	4.48
BT09	06-Mar-12	FW2-NT	4.41
BT09	22-Mar-12	FW2-NT	4.38
BT09	03-Apr-12	FW2-NT	4.36
BT09	10-Apr-12	FW2-NT	4.32
BT09	19-Apr-12	FW2-NT	4.5
BT09	25-Apr-12	FW2-NT	4.48
BT09	08-May-12	FW2-NT	4.52
BT09	17-May-12	FW2-NT	4.43
BT09	23-May-12	FW2-NT	4.39
BT09	29-May-12	FW2-NT	4.4
BT09	05-Jun-12	FW2-NT	4.92
BT09	14-Jun-12	FW2-NT	4.5
BT09	20-Jun-12	FW2-NT	4.5
BT09	25-Jun-12	FW2-NT	4.57
BT09	05-Jul-12	FW2-NT	4.66
BT09	09-Jul-12	FW2-NT	4.85
BT09	16-Jul-12	FW2-NT	4.77
BT09	23-Jul-12	FW2-NT	5.18

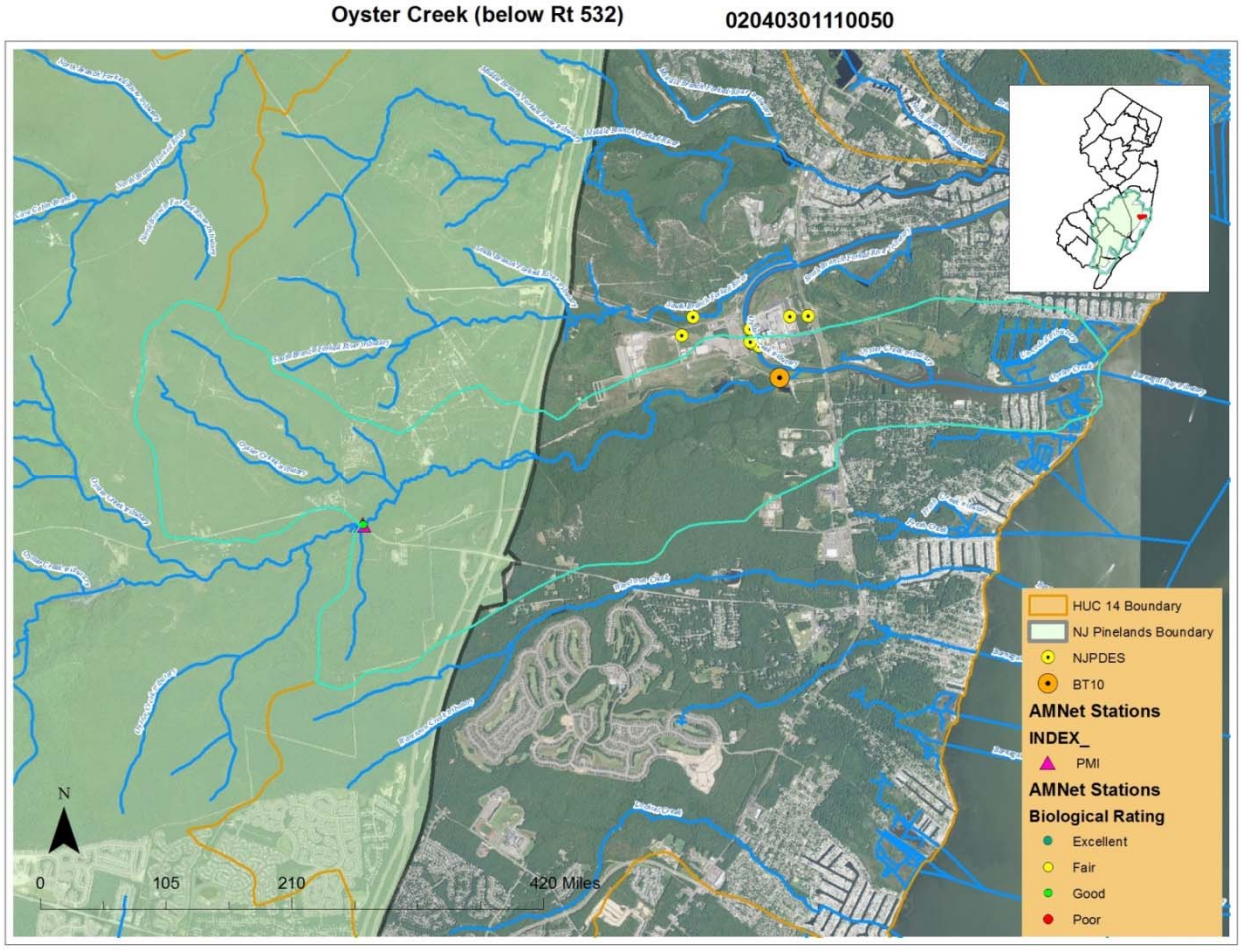
BT09	26-Jul-12	FW2-NT	6.64
BT09	06-Aug-12	FW2-NT	4.91
BT09	13-Aug-12	FW2-NT	4.65
BT09	16-Aug-12	FW2-NT	4.76
BT09	28-Aug-12	FW2-NT	4.5
BT09	06-Sep-12	FW2-NT	4.57
BT09	12-Sep-12	FW2-NT	4.73
BT09	17-Sep-12	FW2-NT	4.79
BT09	25-Sep-12	FW2-NT	4.82
BT09	11-Oct-12	FW2-NT	4.52
BT09	22-Oct-12	FW2-NT	4.82
BT09	08-Nov-12	FW2-NT	5.06
BT09	19-Nov-12	FW2-NT	4.52
BT09	06-Dec-12	FW2-NT	5.7
BT09	17-Dec-12	FW2-NT	5.53

6. Oyster Creek (below Rt 532)

Assessment Unit Information:

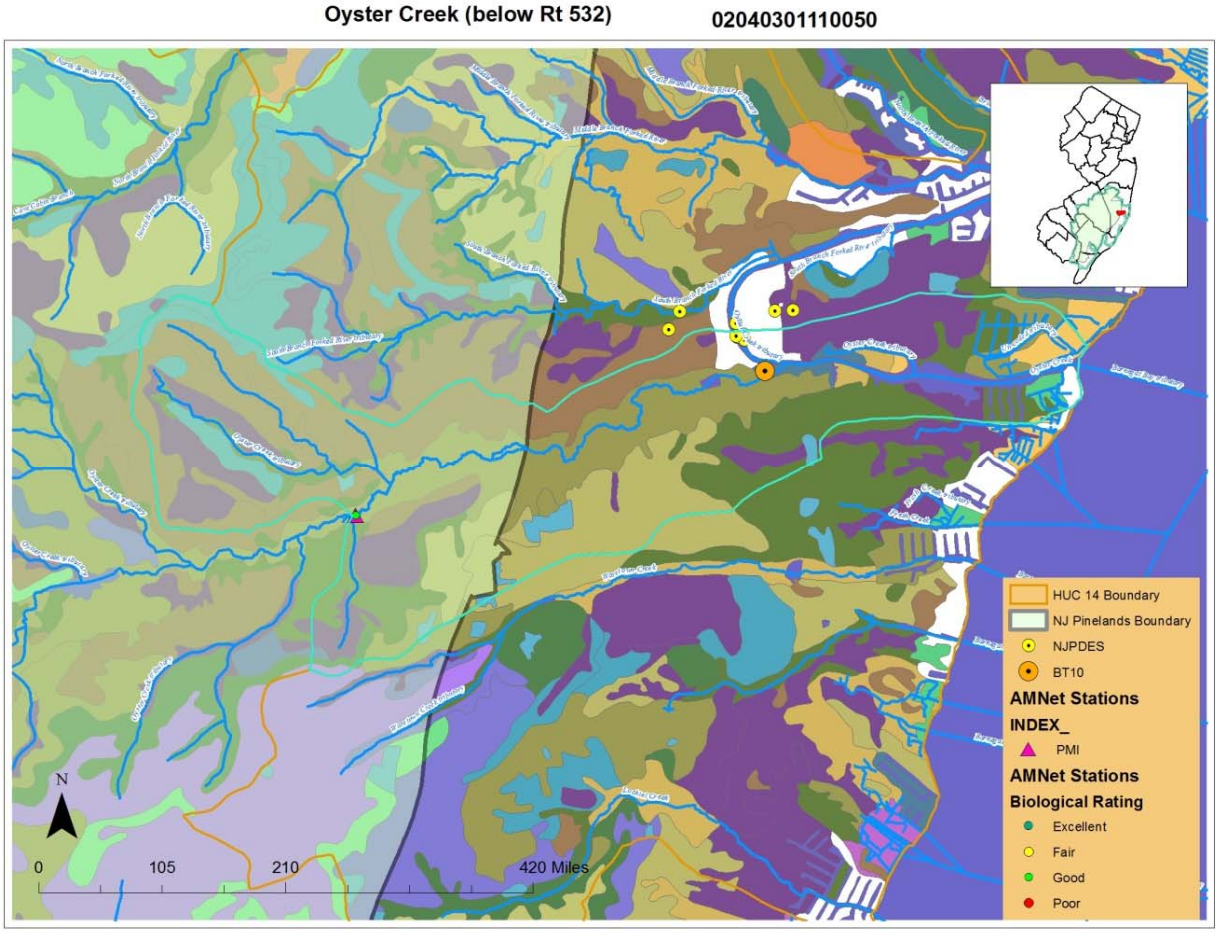
AU Number	AU Name	WMA	Station	Station Name
02040301110050-01	Oyster Creek (below Rt 532)	13	BT10	Oyster Creek
02040301110050-01	Oyster Creek (below Rt 532)	13	AN0552	Oyster Ck

Geographic Information A portion of the AUis located inside the Pinelands boundary. The station of concern is located outside the Pinelands boundary. AMNET Station AN0552 is located within the AU. PMI has been identified as the appropriate index at the AMNET site and data show no biological impairment. Additional macroinvertebrate data were collected at BT10 during the Barnegat Bay water quality monitoring project on 8/25/2011 and that data also show no biological impairment.

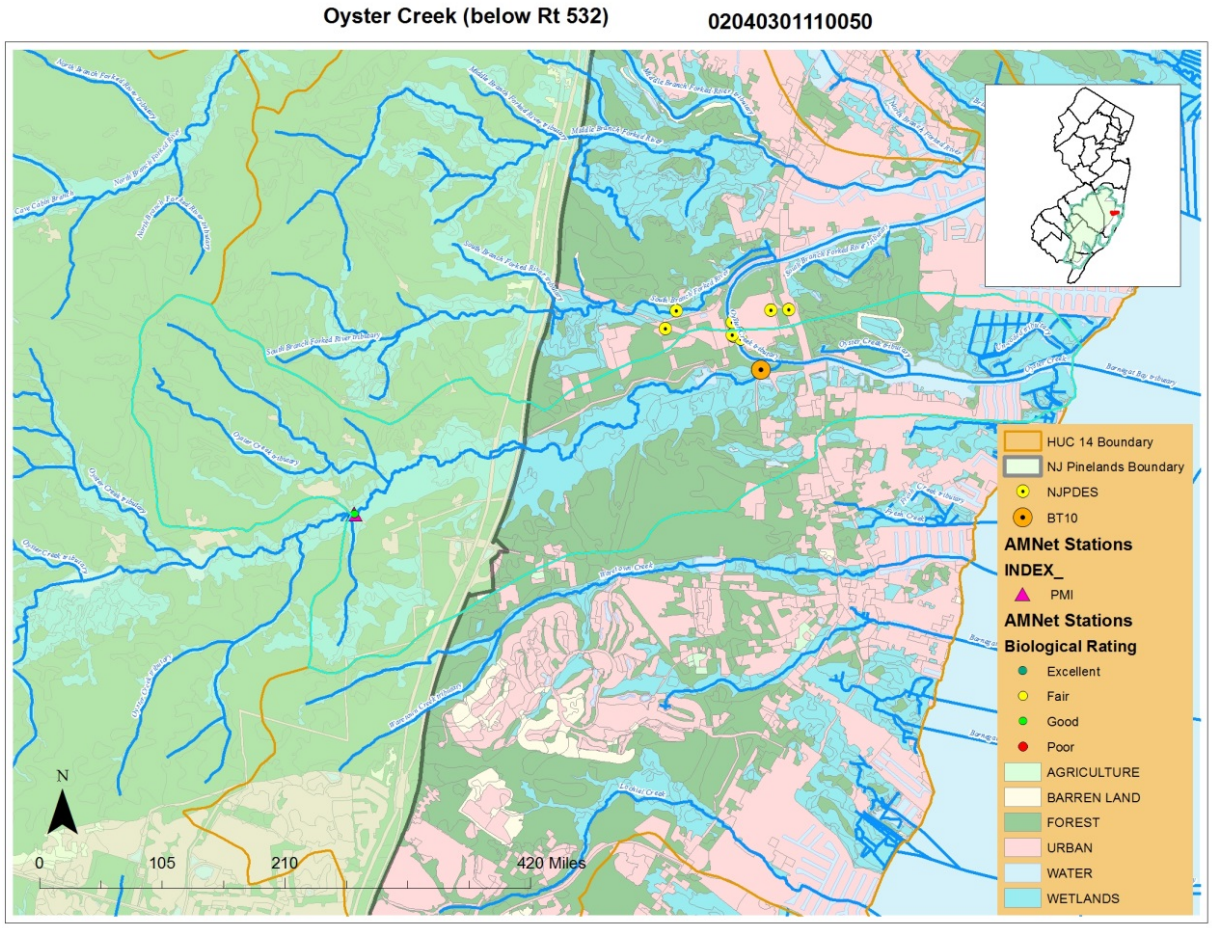


Point Sources: There are several NJPDES point source discharges within the AU; they are all associated with GPU Nuclear Corp - Oyster Ck, NJ0005550. These discharges occur on a tributary to the Oyster Creek. The station of concern is located on the mainstem of Oyster Creek, above the confluence with the tributary; therefore, it could not be impacted by these discharges.

Soils: The soil type found at these station locations is Manahawkin Muck (MakAt), which is found throughout the Pinelands region.



Land Uses:


Oyster Creek (below Rt 532)
02040301110050
HUC 14 Boundary
NJ Pinelands Boundary
NJPDES
BT10
AMNet Stations
INDEX_
PMI
AMNet Stations
Biological Rating
Excellent
Fair
Good
Poor
AGRICULTURE
BARREN LAND
FOREST
URBAN
WATER
WETLANDS
N
0
105
210
420 Miles

Station Data: All data at Station BT10 fall within the Pinelands criteria range for pH.

pH Criteria Thresholds	Pinelands Criterion	South Jersey Criterion
pH high	5.5	7.5
pH low	3.5	4.5

Station	Sample Date	Stream Classification	pH Value
BT10	06-Jun-11	FW2-NT	4.55
BT10	23-Jun-11	FW2-NT	4.7
BT10	05-Jul-11	FW2-NT	4.4
BT10	21-Jul-11	FW2-NT	4.7
BT10	08-Aug-11	FW2-NT	4.68
BT10	25-Aug-11	FW2-NT	4.63
BT10	15-Sep-11	FW2-NT	4.42
BT10	26-Sep-11	FW2-NT	4.16
BT10	13-Oct-11	FW2-NT	4.6
BT10	24-Oct-11	FW2-NT	4.55
BT10	14-Nov-11	FW2-NT	4.46
BT10	12-Dec-11	FW2-NT	4.42
BT10	10-Jan-12	FW2-NT	4.62
BT10	26-Jan-12	FW2-NT	4.57
BT10	07-Feb-12	FW2-NT	4.45
BT10	23-Feb-12	FW2-NT	4.51
BT10	06-Mar-12	FW2-NT	4.06
BT10	22-Mar-12	FW2-NT	4.49
BT10	03-Apr-12	FW2-NT	4.46
BT10	10-Apr-12	FW2-NT	4.78
BT10	19-Apr-12	FW2-NT	4.77
BT10	25-Apr-12	FW2-NT	4.42
BT10	08-May-12	FW2-NT	4.48
BT10	17-May-12	FW2-NT	4.32
BT10	23-May-12	FW2-NT	4.41
BT10	29-May-12	FW2-NT	4.51
BT10	05-Jun-12	FW2-NT	4.6
BT10	14-Jun-12	FW2-NT	4.47
BT10	20-Jun-12	FW2-NT	4.73
BT10	25-Jun-12	FW2-NT	4.57
BT10	05-Jul-12	FW2-NT	4.78
BT10	09-Jul-12	FW2-NT	4.64
BT10	16-Jul-12	FW2-NT	4.61
BT10	23-Jul-12	FW2-NT	4.72

BT10	26-Jul-12	FW2-NT	4.87
BT10	06-Aug-12	FW2-NT	4.76
BT10	13-Aug-12	FW2-NT	4.61
BT10	16-Aug-12	FW2-NT	4.77
BT10	28-Aug-12	FW2-NT	4.32
BT10	06-Sep-12	FW2-NT	4.26
BT10	12-Sep-12	FW2-NT	4.65
BT10	17-Sep-12	FW2-NT	4.8
BT10	25-Sep-12	FW2-NT	4.88
BT10	11-Oct-12	FW2-NT	4.09
BT10	22-Oct-12	FW2-NT	4.74
BT10	08-Nov-12	FW2-NT	4.93
BT10	19-Nov-12	FW2-NT	4.56
BT10	06-Dec-12	FW2-NT	5.47
BT10	17-Dec-12	FW2-NT	5.01

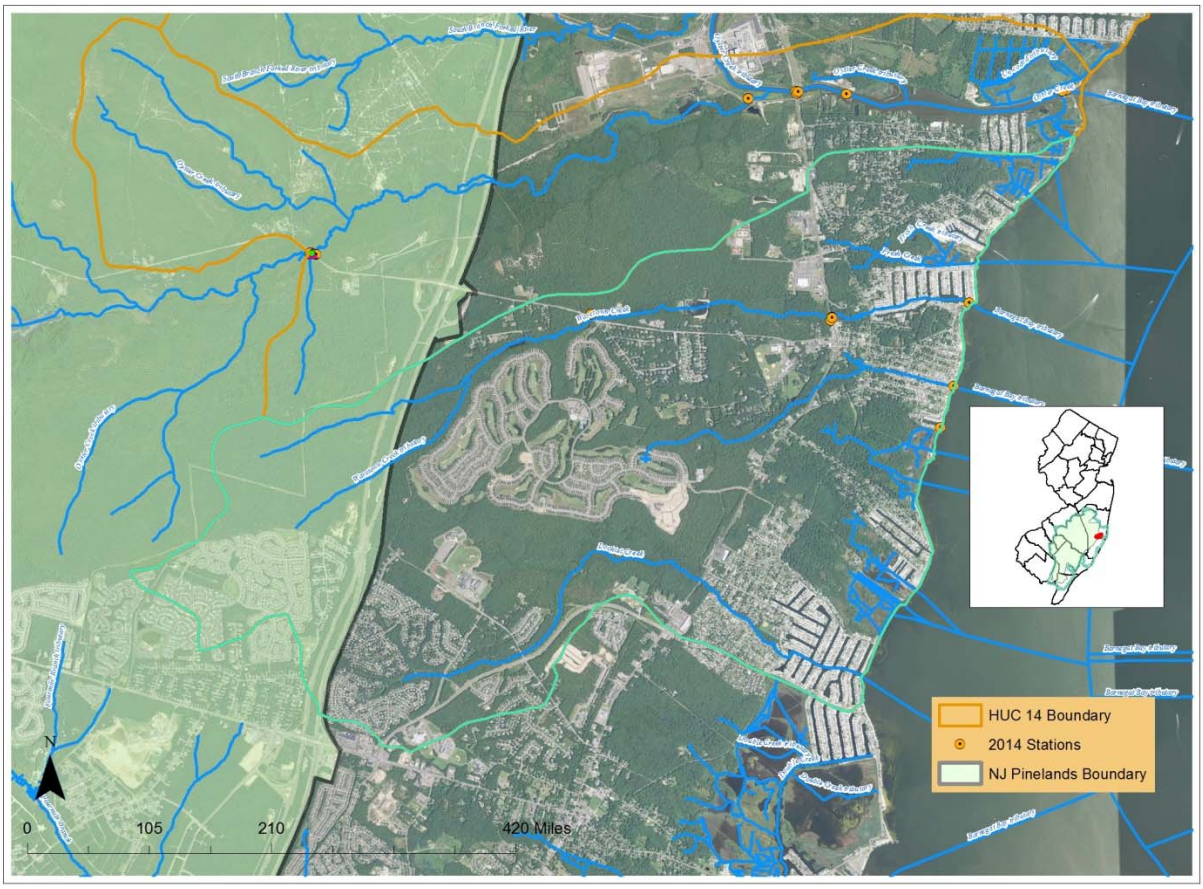
7. Waretown Ck on Rt 9 in Waretown

Assessment Unit Information:

AU Number	AU Name	WMA	Station	Station Name
02040301120010-01	Waretown Creek / Lochiel Creek	13	01409108	Waretown Ck on Rt 9 in Waretown

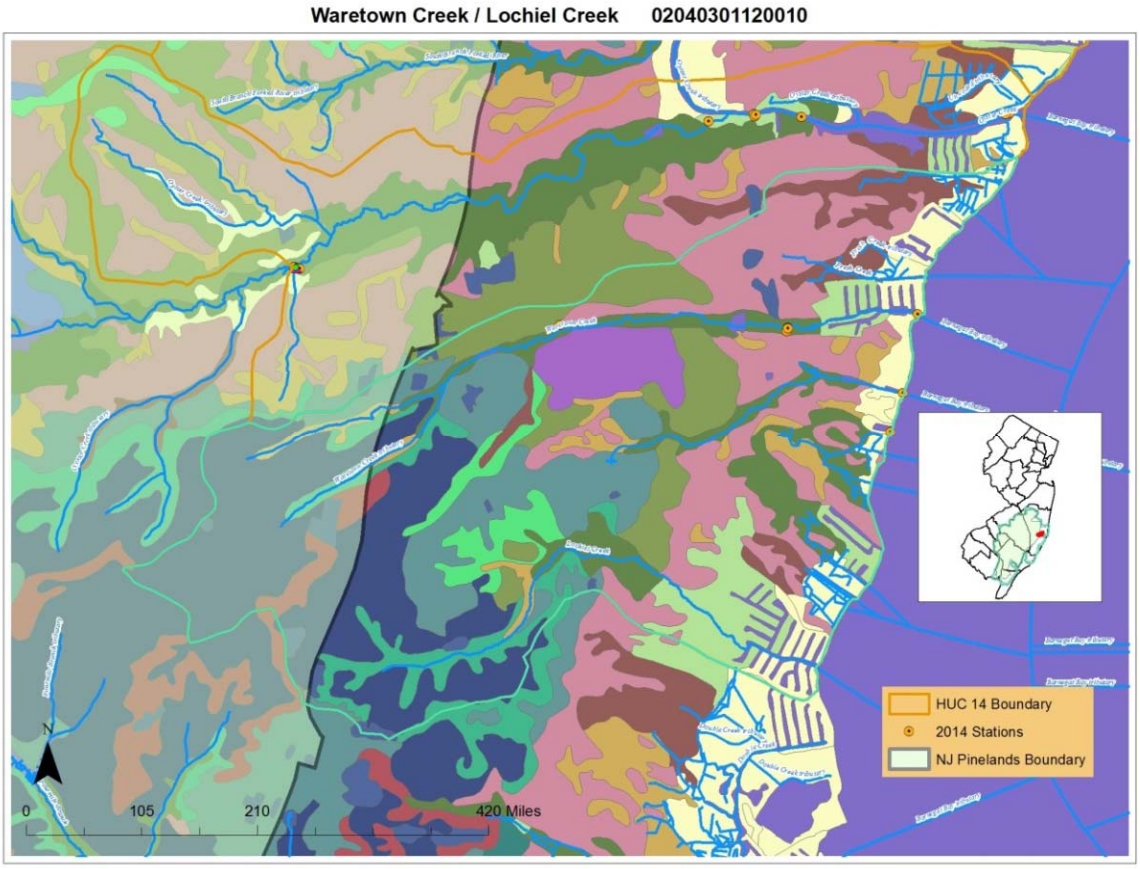
Geographic Information: A portion of the AU is located inside the Pinelands boundary. The station of concern is located outside the Pinelands boundary.

Waretown Creek / Lochiel Creek 02040301120010

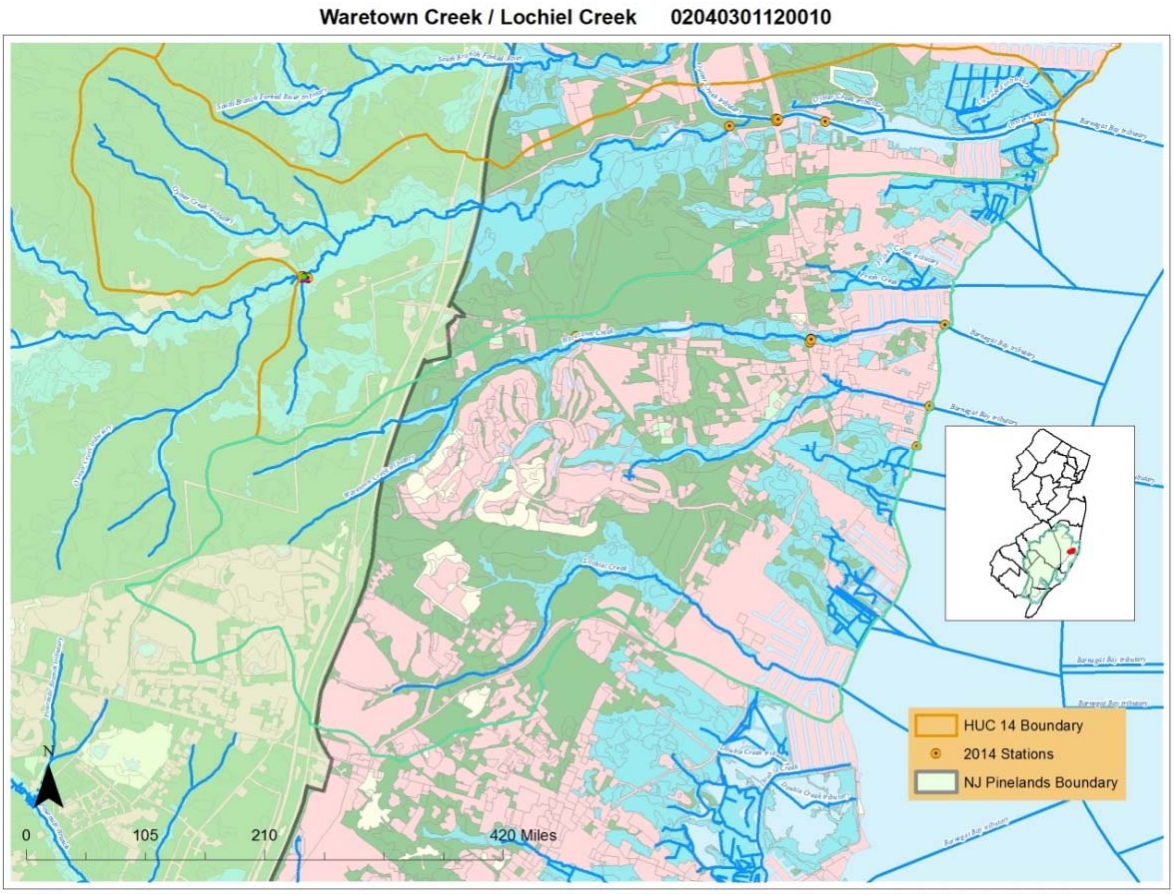


Point Sources: There are no NJPDES point source discharges within the assessment unit.

Soils: The soil type found at the station location is Manahawkin Muck(MakAt); which is found throughout the Pinelands region.



Land Uses:


Waretown Creek / Lochiel Creek 02040301120010
HUC 14 Boundary
2014 Stations
NJ Pinelands Boundary
N
0
105
210
420 Miles

Station Data: All data at Station 01409108 fall within the Pinelands criteria range for pH.

pH Criteria Thresholds	Pinelands Criterion	South Jersey Criterion
pH high	5.5	7.5
pH low	3.5	4.5

Station	Sample Date	Stream Classification	pH Value
01409108	18-Nov-02	FW2-NT	4.6
01409108	26-Feb-03	FW2-NT	4.4
01409108	19-May-03	FW2-NT	4.5
01409108	05-Aug-03	FW2-NT	4.85
01409108	12-Nov-03	FW2-NT	4.6
01409108	09-Feb-04	FW2-NT	4.38
01409108	29-Apr-04	FW2-NT	4.66
01409108	02-Aug-04	FW2-NT	5.16
01409108	14-Jun-05	FW2-NT	4.9
01409108	06-Sep-05	FW2-NT	5.7
01409108	01-Dec-05	FW2-NT	4.7
01409108	06-Mar-06	FW2-NT	5.0
01409108	30-May-06	FW2-NT	5.0
01409108	29-Aug-06	FW2-NT	4.9
01409108	30-Nov-06	FW2-NT	4.9
01409108	22-Feb-07	FW2-NT	5.4
01409108	21-May-07	FW2-NT	5.5
01409108	30-Aug-07	FW2-NT	5.2
01409108	27-Nov-07	FW2-NT	5.7
01409108	26-Feb-08	FW2-NT	5.2
01409108	20-May-08	FW2-NT	5.1
01409108	28-Aug-08	FW2-NT	5.3
01409108	17-Dec-08	FW2-NT	4.6
01409108	02-Feb-09	FW2-NT	5.1
01409108	04-May-09	FW2-NT	5.1
01409108	18-Aug-09	FW2-NT	5.3
01409108	08-Dec-09	FW2-NT	4.9
01409108	09-Mar-10	FW2-NT	5.1
01409108	24-Jun-10	FW2-NT	5.4
01409108	16-Sep-10	FW2-NT	5.3
01409108	14-Dec-10	FW2-NT	5.2
01409108	06-Apr-11	FW2-NT	5.32
01409108	27-Jun-11	FW2-NT	5.1
01409108	23-Aug-11	FW2-NT	5.8
01409108	06-Dec-11	FW2-NT	5.1

01409108	16-Feb-12	FW2-NT	5.4
01409108	27-Apr-12	FW2-NT	5.2
01409108	10-Oct-12	FW2-NT	5.4
01409108	03-Jan-13	FW2-NT	5.6
01409108	08-Apr-13	FW2-NT	5.5

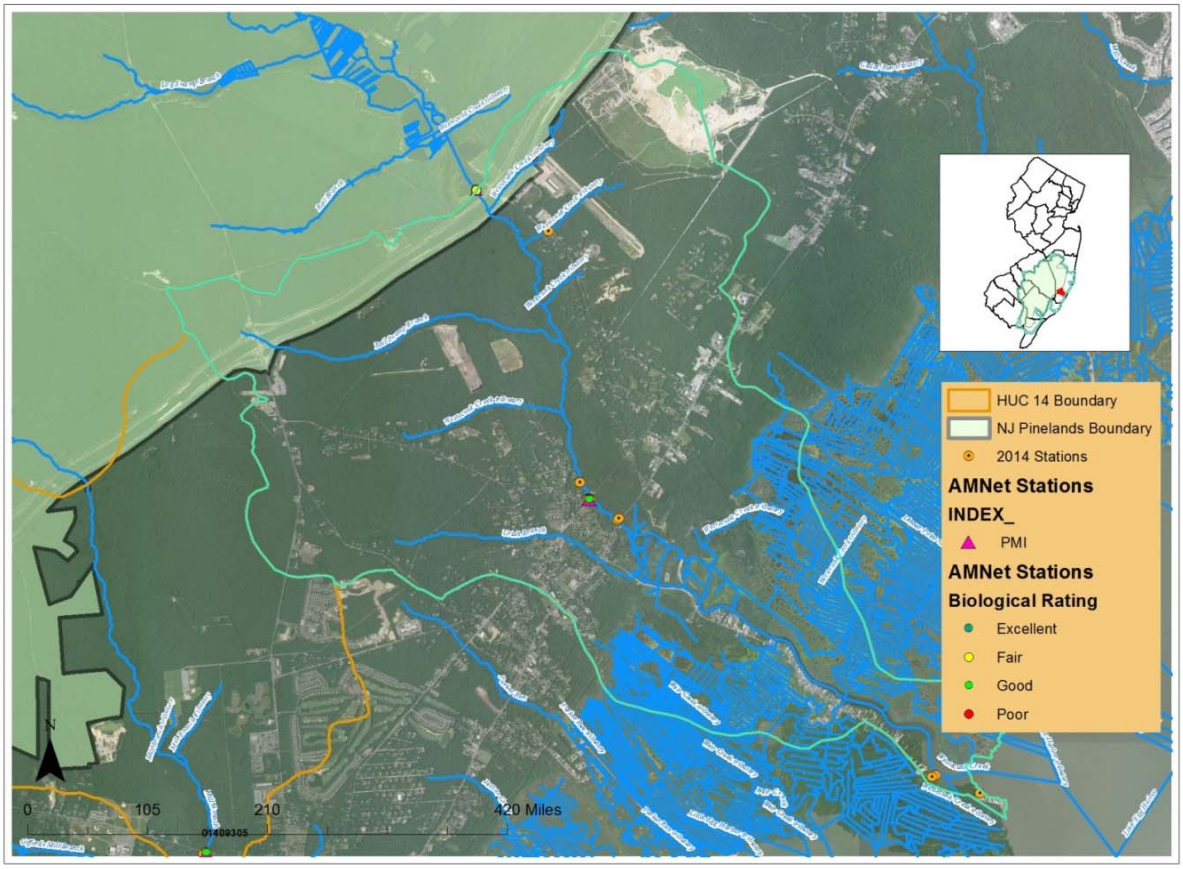
8. Westecunk Creek (below GS Parkway)

Assessment Unit Information:

AU Number	AU Name	WMA	Station	Station Name
02040301130060-01	Westecunk Creek (below GS Parkway)	13	BT12	Westecunk Ck at Railroad Avenue at West Creek
02040301130060-01	Westecunk Creek (below GS Parkway)	13	AN0615	Mattix Run (Frenches Ditch

Geographic Information: A portion of the AU is located inside the Pinelands boundary. The station of concern is located outside the Pinelands boundary. AMNET Station AN0615 is located within the AU. The PMI index has been identified as the appropriate index at the AMNET site and the data show no biological impairment.

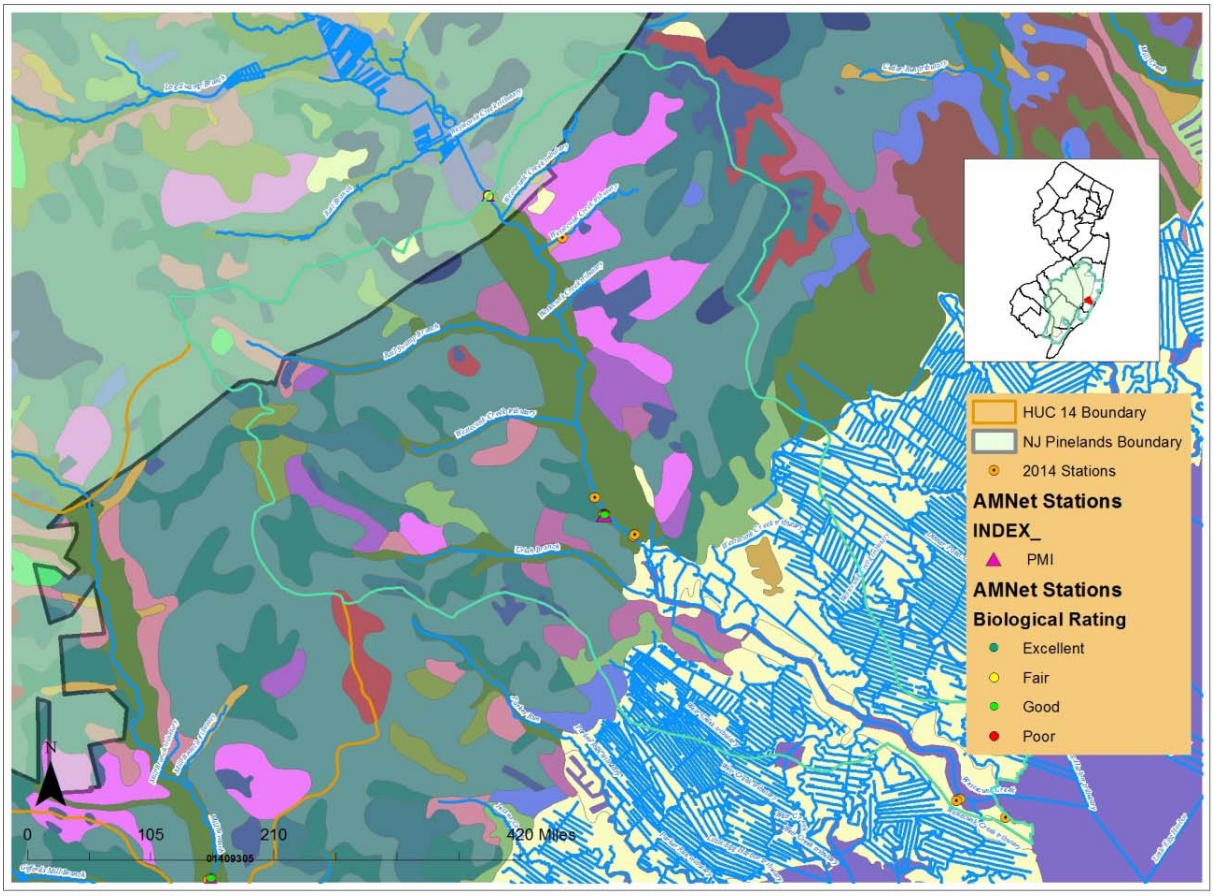
Westecunk Creek (below GS Parkway) 02040301130060



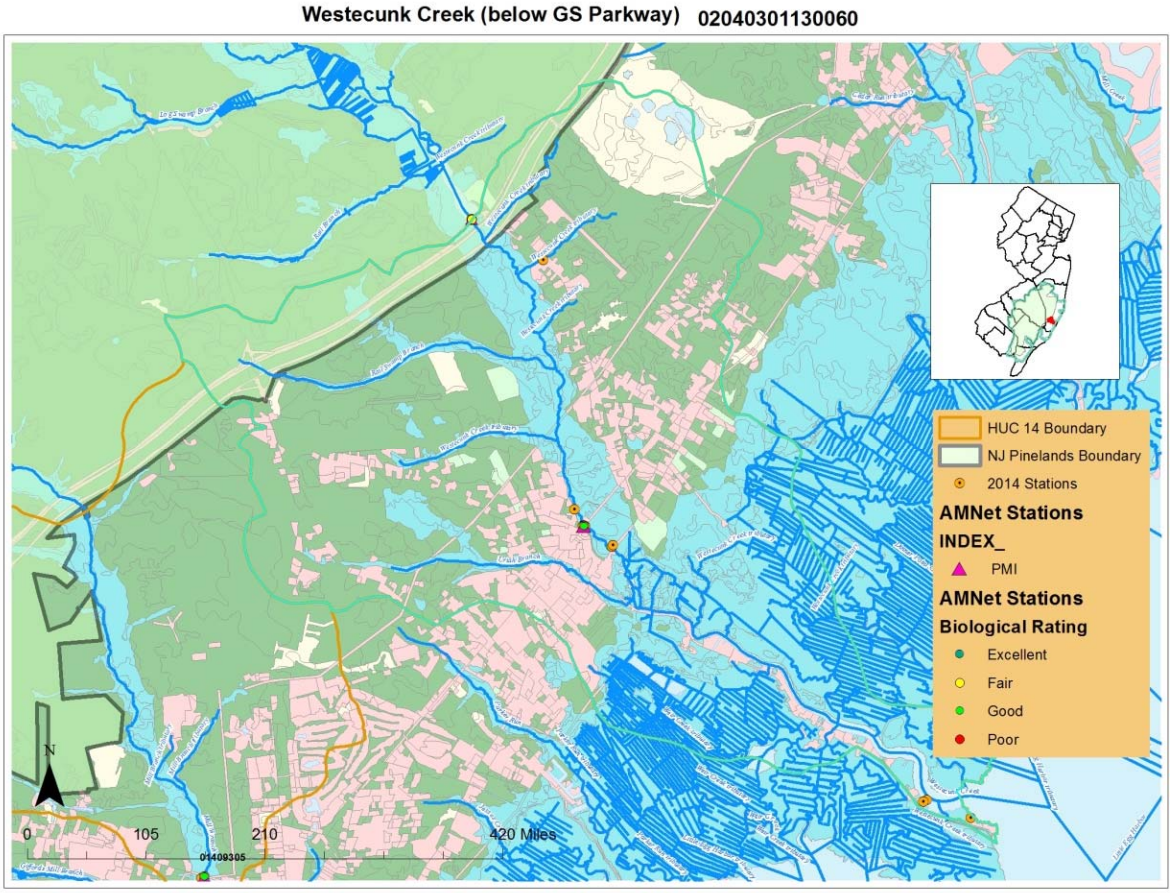
Point Sources: There are no NJPDES point source discharges in this AU.

Soils: Soil types found at the station locations are Manahawkin Muck(MakAt) and Hammonton Loamy Sand; which are found thorough out the Pinelands region.

Westecunk Creek (below GS Parkway) 02040301130060



Land Uses:



Station Data: Three out of 70 samples collected at Station BT12 are above the Pinelands criteria threshold for pH but are within the range for the South Jersey pH criteria.

pH Criteria Thresholds	Pinelands Criterion	South Jersey Criterion
pH high	5.5	7.5
pH low	3.5	4.5

Station	Sample Date	Stream Classification	pH Value
BT12	06-Jun-11	FW2-NT	5.55
BT12	23-Jun-11	FW2-NT	5.39
BT12	05-Jul-11	FW2-NT	5.28
BT12	21-Jul-11	FW2-NT	5.44
BT12	08-Aug-11	FW2-NT	5.54
BT12	25-Aug-11	FW2-NT	6.31
BT12	15-Sep-11	FW2-NT	4.86
BT12	26-Sep-11	FW2-NT	5.04

BT12	13-Oct-11	FW2-NT	5.41
BT12	24-Oct-11	FW2-NT	5.26
BT12	14-Nov-11	FW2-NT	5.48
BT12	12-Dec-11	FW2-NT	4.64
BT12	10-Jan-12	FW2-NT	5.73
BT12	26-Jan-12	FW2-NT	5.12
BT12	07-Feb-12	FW2-NT	4.15
BT12	23-Feb-12	FW2-NT	5.31
BT12	06-Mar-12	FW2-NT	5.1
BT12	22-Mar-12	FW2-NT	5.35
BT12	03-Apr-12	FW2-NT	5.64
BT12	10-Apr-12	FW2-NT	5.29
BT12	19-Apr-12	FW2-NT	5.43
BT12	25-Apr-12	FW2-NT	4.44
BT12	08-May-12	FW2-NT	5.35
BT12	17-May-12	FW2-NT	4.54
BT12	23-May-12	FW2-NT	4.46
BT12	29-May-12	FW2-NT	5.12
BT12	05-Jun-12	FW2-NT	5.14
BT12	14-Jun-12	FW2-NT	4.48
BT12	20-Jun-12	FW2-NT	5.32
BT12	25-Jun-12	FW2-NT	4.4
BT12	05-Jul-12	FW2-NT	4.69
BT12	09-Jul-12	FW2-NT	5.16
BT12	16-Jul-12	FW2-NT	5.14
BT12	23-Jul-12	FW2-NT	4.73
BT12	26-Jul-12	FW2-NT	5.09
BT12	06-Aug-12	FW2-NT	4.4
BT12	13-Aug-12	FW2-NT	4.59
BT12	16-Aug-12	FW2-NT	4.42
BT12	28-Aug-12	FW2-NT	4.2
BT12	06-Sep-12	FW2-NT	4.14
BT12	12-Sep-12	FW2-NT	4.56
BT12	17-Sep-12	FW2-NT	4.74
BT12	25-Sep-12	FW2-NT	4.88
BT12	11-Oct-12	FW2-NT	4.45
BT12	22-Oct-12	FW2-NT	5.02
BT12	08-Nov-12	FW2-NT	4.29
BT12	19-Nov-12	FW2-NT	4.41
BT12	06-Dec-12	FW2-NT	4.64
BT12	17-Dec-12	FW2-NT	4.03
BT12	07-Jan-13	FW2-NT	4.65

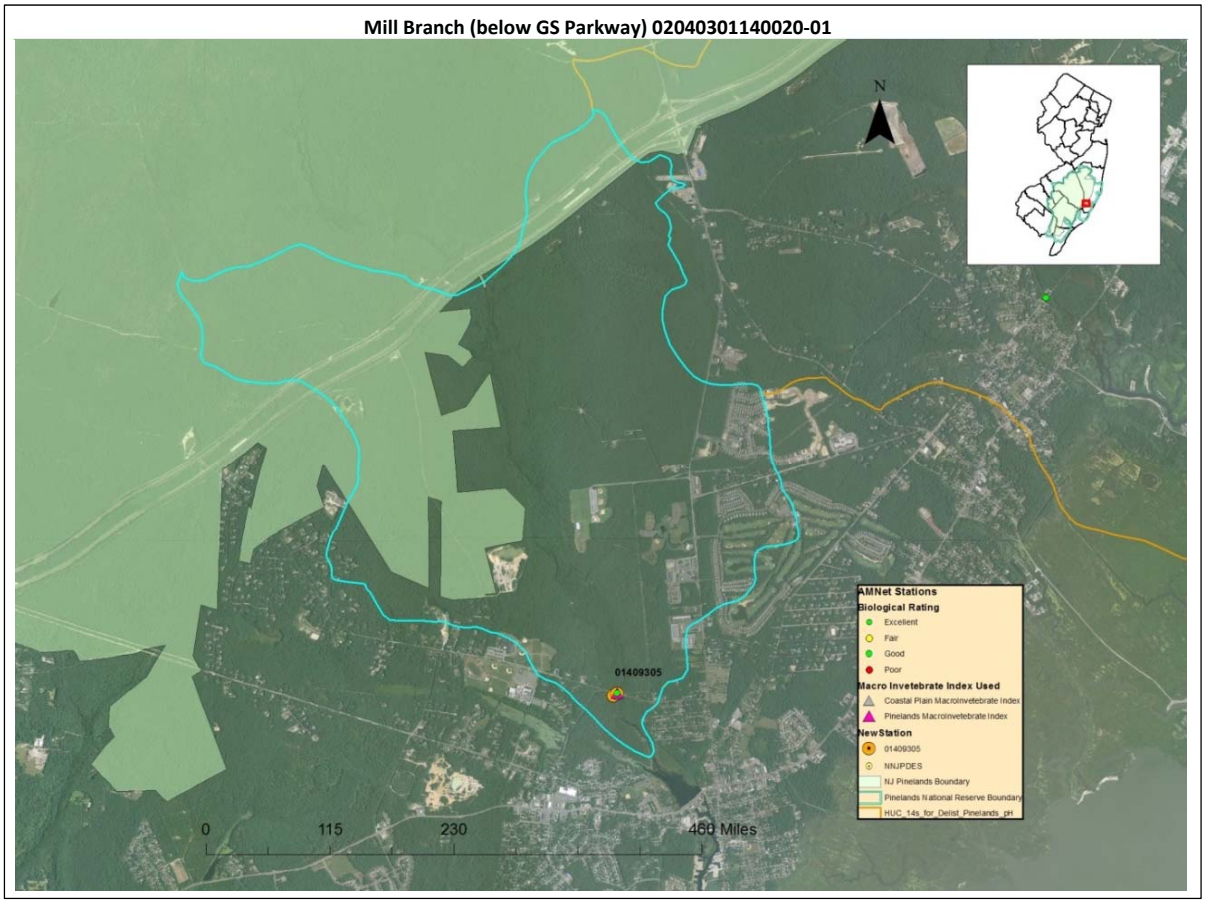
BT12	29-Jan-13	FW2-NT	4.77
BT12	05-Feb-13	FW2-NT	4.8
BT12	26-Feb-13	FW2-NT	4.84
BT12	05-Mar-13	FW2-NT	4.86
BT12	12-Mar-13	FW2-NT	4.59
BT12	21-Mar-13	FW2-NT	5.85
BT12	27-Mar-13	FW2-NT	4.66
BT12	01-Apr-13	FW2-NT	5.2
BT12	09-Apr-13	FW2-NT	4.64
BT12	18-Apr-13	FW2-NT	4.72
BT12	24-Apr-13	FW2-NT	4.77
BT12	06-May-13	FW2-NT	4.94
BT12	14-May-13	FW2-NT	4.62
BT12	23-May-13	FW2-NT	4.75
BT12	29-May-13	FW2-NT	4.42
BT12	03-Jun-13	FW2-NT	5.11
BT12	10-Jun-13	FW2-NT	4.15
BT12	12-Jun-13	FW2-NT	4.53
BT12	20-Jun-13	FW2-NT	4.35
BT12	26-Jun-13	FW2-NT	4.22

9. Mill Branch (below GS Parkway)

Assessment Unit Information:

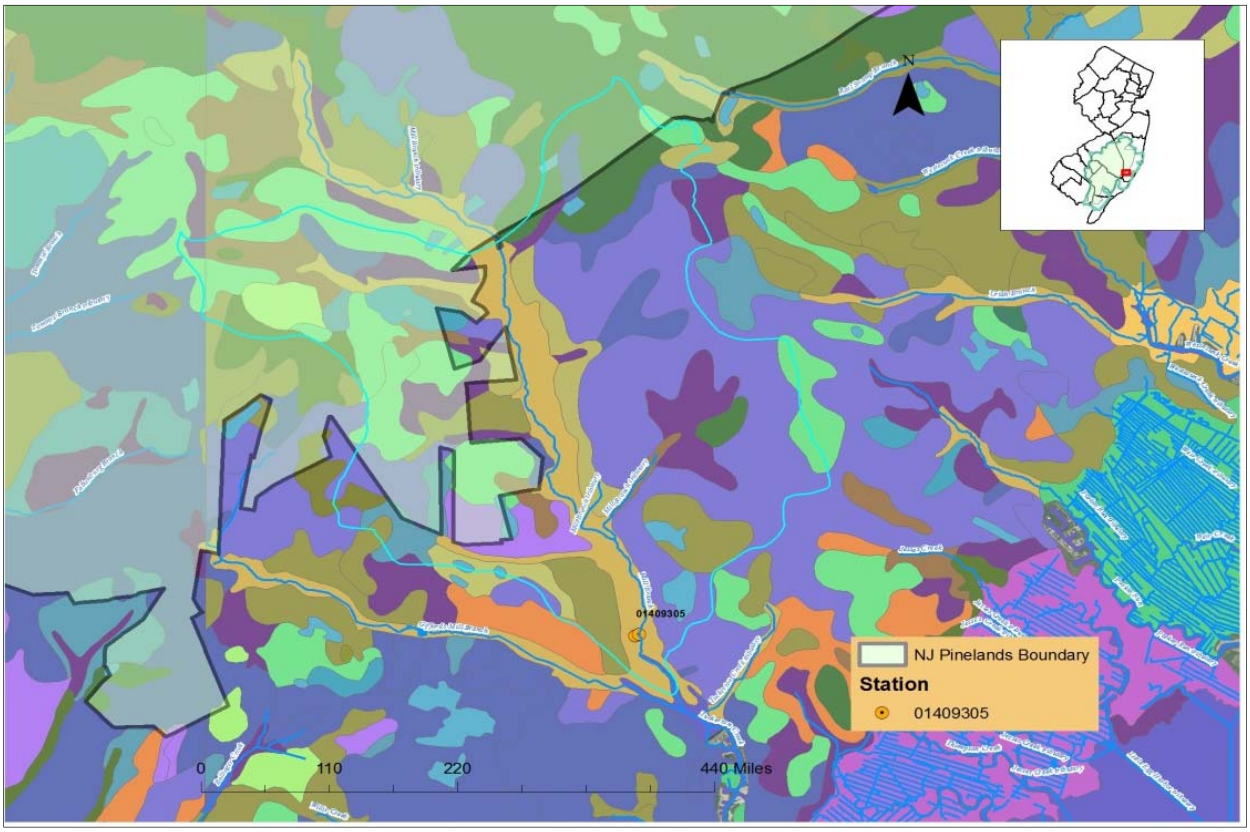
AU Number	AU Name	WMA	Station	Station Name
02040301140020-01	Mill Branch (below GS Parkway)	13	01409305	Mill Br on Nugentown Rd in Nugentown
02040301140020-01	Mill Branch (below GS Parkway)	13	AN0559	Mill Br of Tuckerton Ck
02040301140020-01	Mill Branch (below GS Parkway)	13	AN0559A	Mill Br

Geographic Information: A portion of the assessment unit is located inside the Pinelands boundary. The station of concern is located outside the Pinelands boundary. There are two AMNET Stations located in this AU, AN0559 and AN0599A. PMI has been identified as the appropriate index at both AMNET sites and the data show no biological impairment at either station.



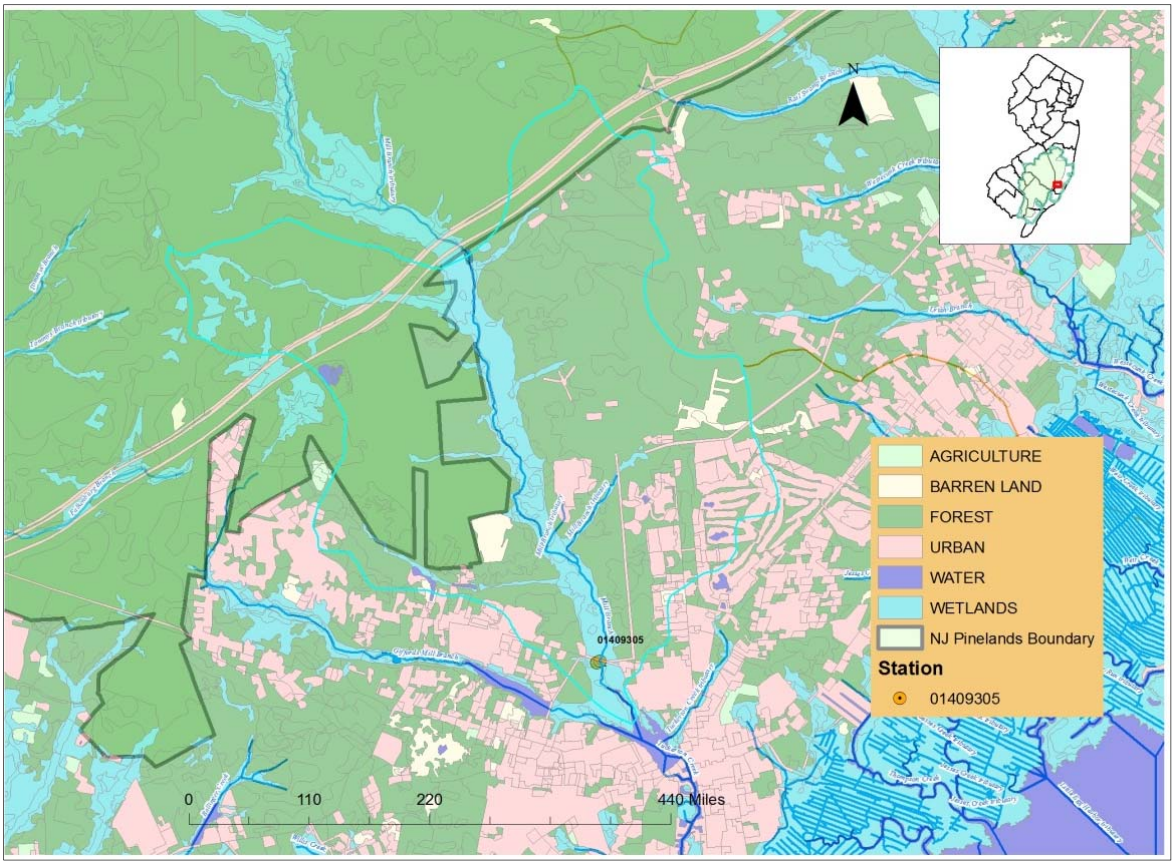
Point Sources: There are no NJPDES point source discharges in this AU.
Soils:

Mill Branch (below GS Parkway) 0102040301140020-01



Land Uses:

Mill Branch (below GS Parkway) 0102040301140020-01



Station Data: All data at Station 01409305 fall within the Pinelands criteria range for pH.

pH Criteria Thresholds	Pinelands Criterion	South Jersey Criterion
pH high	5.5	7.5
pH low	3.5	4.5

Station	Sample Date	Stream Classification	pH Value
01409305	07-Nov-02	FW2-NT	4.4
01409305	06-Feb-03	FW2-NT	4
01409305	13-May-03	FW2-NT	4.4
01409305	31-Jul-03	FW2-NT	4.4
01409305	27-Oct-03	FW2-NT	4.5
01409305	21-Jan-04	FW2-NT	4.6
01409305	19-Apr-04	FW2-NT	4.2
01409305	20-Jul-04	FW2-NT	4.7
01409305	30-Jun-05	FW2-NT	4.6
01409305	30-Aug-05	FW2-NT	5

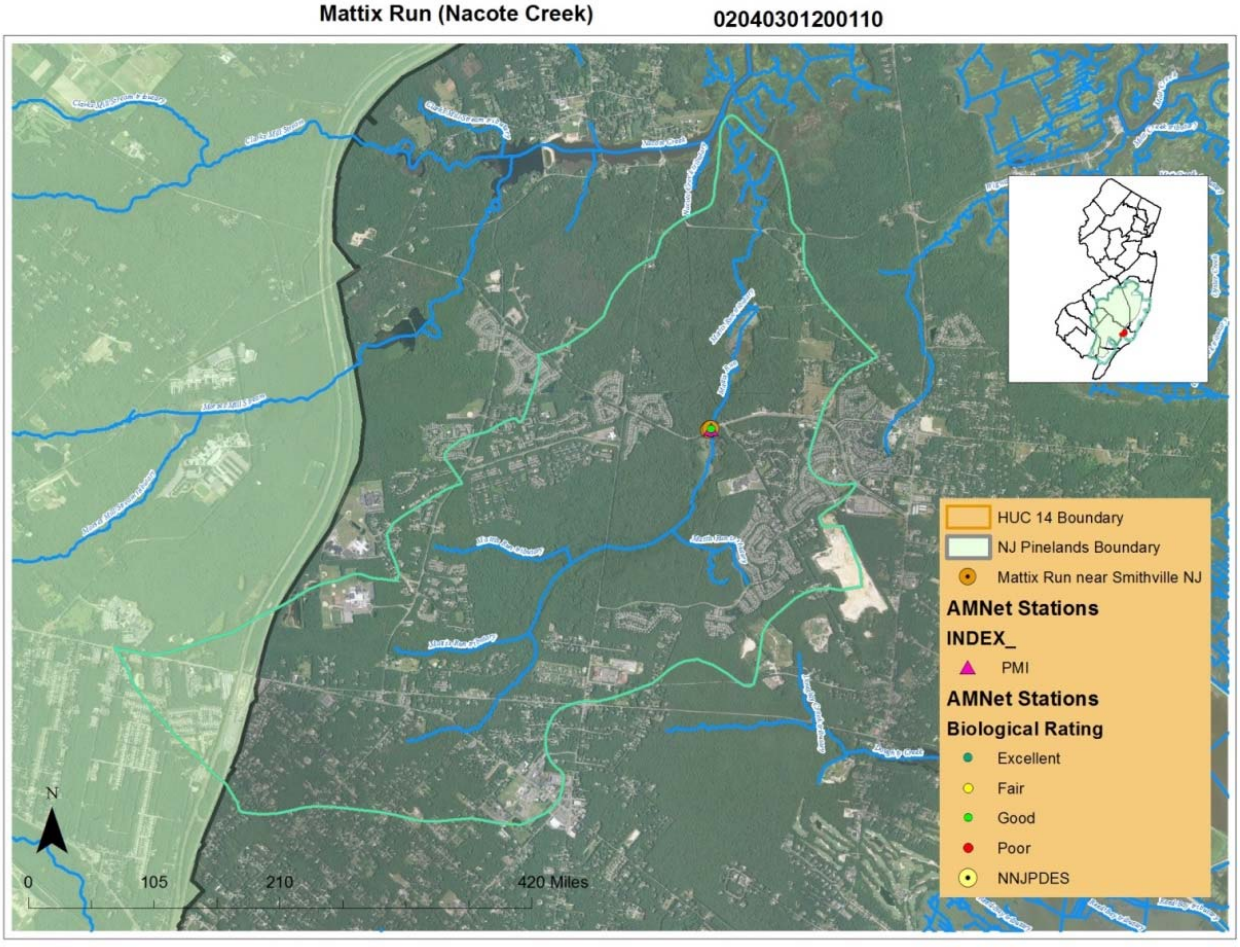
01409305	28-Nov-05	FW2-NT	4.5
01409305	27-Feb-06	FW2-NT	4.7
01409305	23-May-06	FW2-NT	4.46
01409305	22-Aug-06	FW2-NT	6
01409305	30-Oct-06	FW2-NT	4.8
01409305	30-Jan-07	FW2-NT	4.5
01409305	30-Apr-07	FW2-NT	4.35
01409305	12-Jul-07	FW2-NT	4.87
01409305	11-Oct-07	FW2-NT	5.05
01409305	22-Jan-08	FW2-NT	4.54
01409305	14-Apr-08	FW2-NT	4.38
01409305	22-Jul-08	FW2-NT	5.39
01409305	23-Oct-08	FW2-NT	5.15
01409305	15-Jan-09	FW2-NT	4.21
01409305	06-Apr-09	FW2-NT	4.51
01409305	13-Jul-09	FW2-NT	4.64
01409305	27-Oct-09	FW2-NT	4.23
01409305	12-Jan-10	FW2-NT	4.2
01409305	06-Apr-10	FW2-NT	4.2
01409305	21-Sep-10	FW2-NT	4.5
01409305	16-Dec-10	FW2-NT	5.4
01409305	22-Mar-11	FW2-NT	4.19
01409305	21-Jun-11	FW2-NT	4.6
01409305	23-Aug-11	FW2-NT	5.0
01409305	09-Nov-11	FW2-NT	4.98
01409305	15-Mar-12	FW2-NT	4.53
01409305	06-Jun-12	FW2-NT	4.94
01409305	09-Oct-12	FW2-NT	4.79
01409305	20-Mar-13	FW2-NT	4.26
01409305	02-May-13	FW2-NT	4.37

10. Mattix Run (Nacote Creek)

Assessment Unit Information:

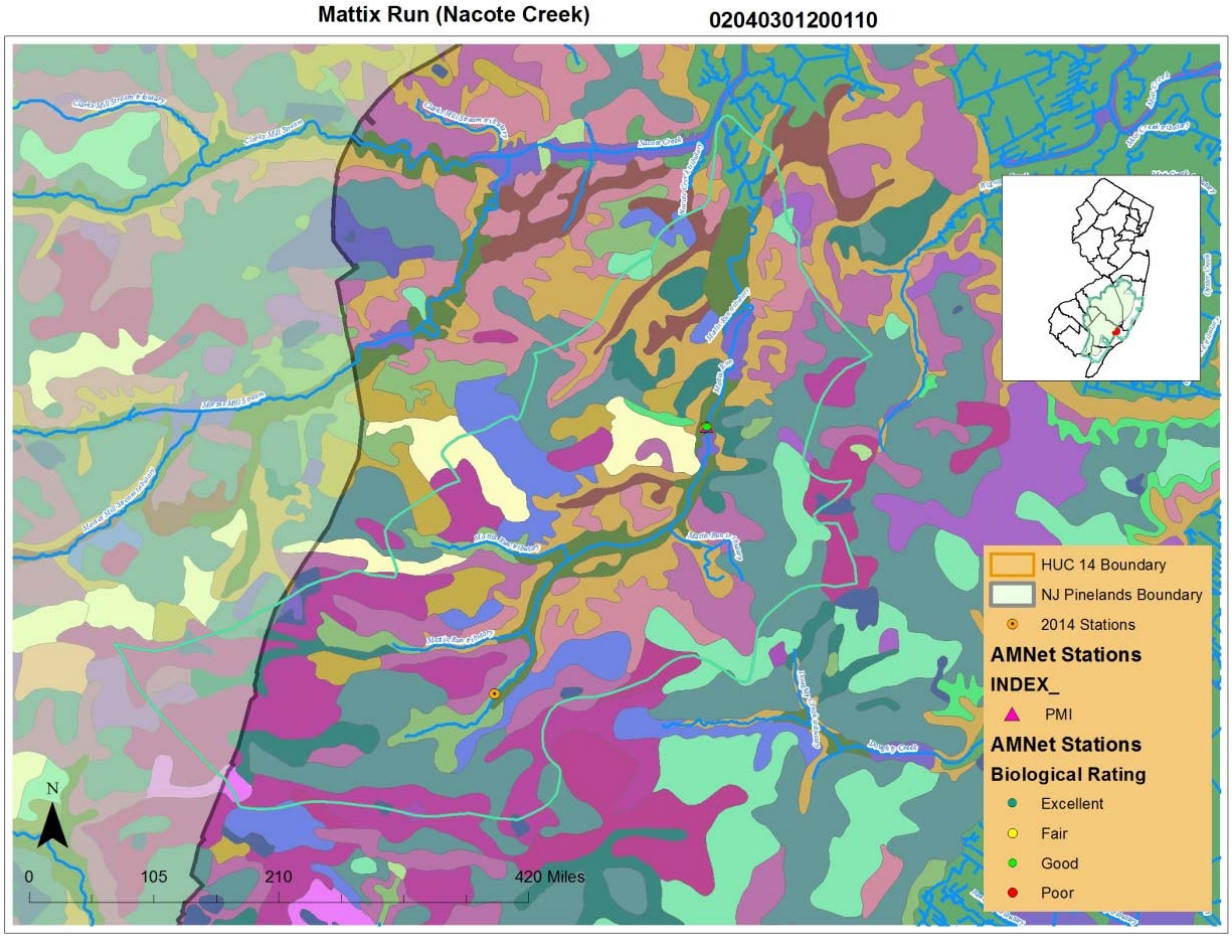
AU Number	AU Name	WMA	Station	Station Name
02040301200110-01	Mattix Run (Nacote Creek)	14	01410230	Mattix Run on Old Port Republic Rd in Galloway Twp
02040301200110-01	Mattix Run (Nacote Creek)	14	AN0615	Mattix Run (Frenches Ditch)

Geographic Information: A portion of the assessment unit is located inside the Pinelands boundary. The station of concern is located outside the Pinelands boundary. AMNET Station AN0615 is located in this AU. PMI has been identified as the appropriate index at this AMNET site and data show no biological impairment.

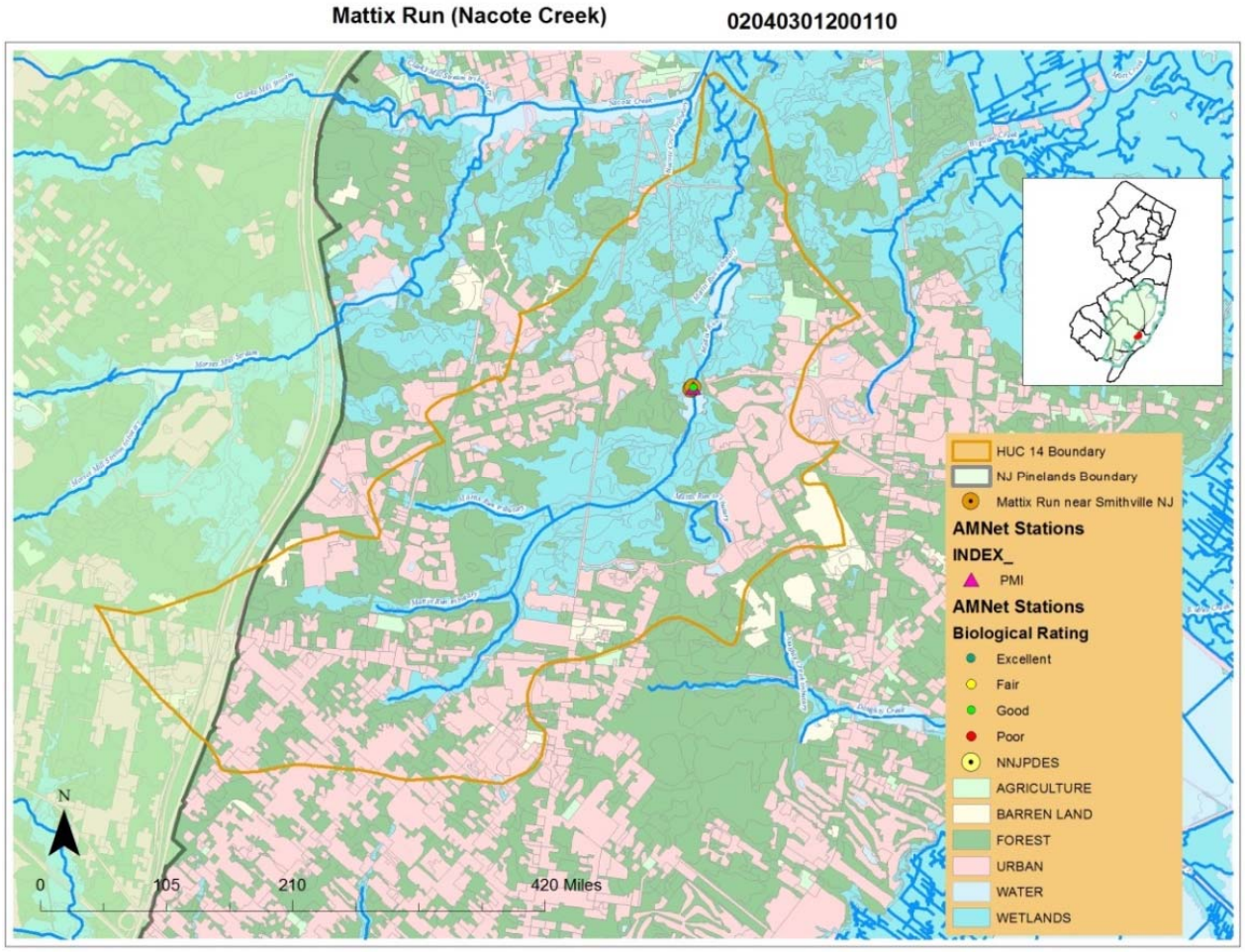


Point Sources: There are no NJPDES discharge points within the watershed.

Soils: The soil type found at the station location is Manahawkin Muck(MakAt), which is found throughout the Pinelands region.



Land Uses:



Station Data: Two out of 34 samples at Station 01410230 fall above the Pinelands criteria threshold but are within the range of the South Jersey pH criteria.

pH Criteria Thresholds	Pinelands Criterion	South Jersey Criterion
pH high	5.5	7.5
pH low	3.5	4.5

Station	Sample Date	Stream Classification	pH Value
01410230	21-Nov-02	FW2-NT	3.97
01410230	10-Mar-03	FW2-NT	4.2
01410230	15-May-03	FW2-NT	4.2
01410230	12-Aug-03	FW2-NT	4.4
01410230	20-Nov-03	FW2-NT	4.3
01410230	19-Feb-04	FW2-NT	4.2
01410230	10-May-04	FW2-NT	4.4

01410230	10-Aug-04	FW2-NT	5
01410230	30-Jun-05	FW2-NT	5.03
01410230	30-Aug-05	FW2-NT	5.4
01410230	28-Nov-05	FW2-NT	4.35
01410230	27-Feb-06	FW2-NT	4.19
01410230	23-May-06	FW2-NT	4.15
01410230	22-Aug-06	FW2-NT	5.68
01410230	30-Oct-06	FW2-NT	4.23
01410230	30-Jan-07	FW2-NT	4.13
01410230	30-Apr-07	FW2-NT	4.1
01410230	12-Jul-07	FW2-NT	5.22
01410230	11-Oct-07	FW2-NT	5.96
01410230	22-Jan-08	FW2-NT	4.09
01410230	14-Apr-08	FW2-NT	4.09
01410230	22-Jul-08	FW2-NT	5.46
01410230	23-Oct-08	FW2-NT	5.67
01410230	15-Jan-09	FW2-NT	4.1
01410230	06-Apr-09	FW2-NT	4.26
01410230	13-Jul-09	FW2-NT	4.71
01410230	27-Oct-09	FW2-NT	4.61
01410230	12-Jan-10	FW2-NT	4.1
01410230	06-Apr-10	FW2-NT	4.58
01410230	21-Sep-10	FW2-NT	5.12
01410230	16-Dec-10	FW2-NT	4.41
01410230	22-Mar-11	FW2-NT	4.17
01410230	21-Jun-11	FW2-NT	4.68
01410230	23-Jun-11	FW2-NT	4.7

Organization	Organization Type	Data Used for 2014 List?	If not, why not?	Waterbody Name	Monitoring Dates	Parameters
AmeriCorps NJ Watershed Ambassadors Program	Volunteer Monitoring Organization	No	No approved benthic metric for this data set	Statewide	2009-2010	macroinvertebrates
AmeriCorps NJ Watershed Ambassadors Program	Volunteer Monitoring Organization	Yes	n/a	Statewide	2010-2012	Temperature
Brick Township Utilities Authority	Municipal Authority	Yes, except for Thallium data	Thallium data was invalid due to sampling, analysis and/or data entry errors	Metedeconk River Watershed	2008-2012	conventional chemical/physical, toxics, metals
Brick Township Utilities Authority	Municipal Authority	Yes	n/a	Metedeconk River Watershed	2008-2012	Pathogens
Delaware River Basin Commission (DRBC)	Interstate Agency	Yes	n/a	Delaware River Tidal Tributaries	2008-2009	Pathogens
Delaware River Basin Commission (DRBC)	Interstate Agency	Yes	n/a	Delaware River Main Stem and Tidal Tributaries	2008-2012	conventional chemical/physical, toxics, metals
Delaware River Basin Commission (DRBC)	Interstate Agency	Yes	n/a	Delaware River Non-Tidal Tributaries	2009	conventional chemical/physical
Great Swamp Watershed Association	Volunteer Monitoring Organization	Yes	n/a	Loantaka Brook; Great Brook; GS Natl Wildlife Refuge Tributaries	2008-2010	conventional chemical/physical
Interstate Environmental Commission (IEC)	Interstate Agency	Yes	n/a	Hudson River (Upper)	2008-2010	Conventional physical/chemical, pathogens
Monmouth County Health Department	County Government	Yes	n/a	Monmouth County Streams/Beaches in Atlantic Coast, Raritan, Lower Delaware and Northwest water regions	2008-2012	conventional chemical/physical, pathogens
Musconetcong Watershed Association	Volunteer Monitoring Organization	Yes	n/a	Upper Musconetcong River	2009-2010	conventional chemical/physical

Organization	Organization Type	Data Used for 2014 List?	If not, why not?	Waterbody Name	Monitoring Dates	Parameters
National Park Service	Federal Government	Yes	n/a	Passaic River Basin	2008-2009	conventional chemical/physical
New Jersey Harbor Dischargers Group	Municipal Authority	Yes	n/a	New York/New Jersey Harbor and Tidal Tributaries	2008-2011	Pathogens, conventional chemical/physical
NJDEP Bureau of Freshwater and Biological Monitoring	State Government	Yes	n/a	Statewide	2008-2012	metals/conventional chemical/physical/pathogens
NJDEP Bureau of Freshwater and Biological Monitoring	State Government	Yes	n/a	Statewide	2009	conventional chemical/physical
NJDEP Bureau of Freshwater and Biological Monitoring	State Government	Yes	n/a	Statewide	2009-2012	diurnal DO, pH, and Temperature
NJDEP Bureau of Freshwater and Biological Monitoring	State Government	Yes	n/a	Statewide	2009-2012	macroinvertebrates
NJDEP Bureau of Marine Water Monitoring	State Government	Yes	n/a	NJ Ocean and Bay Bathing Beaches, Coastal Waters	2008-2012	pathogens
NJDEP Bureau of Marine Water Monitoring	State Government	Yes	n/a	Ocean Bathing Beaches	2008-2012	Beach Closing
NJDEP Bureau of Marine Water Monitoring	State Government	Yes	n/a	Coastal Waters	2009-2012	conventional chemical/physical
NJDEP Bureau of Marine Water Monitoring	State Government	Yes	n/a	Barnegat Bay/tributaries	2009-2013	diurnal DO and Temperature, Conventional chemical/physical
NJDEP Office of Science	State Government	Yes	n/a	Statewide	2009-2010	fish tissue
NJDEP Office of Science	State Government	Yes	n/a	Barnegat Bay/tributaries	2011-2012	Conventional chemical/physical
NJDEP Volunteer Monitoring Program	Volunteer Monitoring Organization	Yes	n/a	Musconetcong River Watershed	2008-2009	pH, Temperature, DO, Turbidity

Organization	Organization Type	Data Used for 2014 List?	If not, why not?	Waterbody Name	Monitoring Dates	Parameters
Pequannock River Coalition	Volunteer Monitoring Organization	Yes	Except for stations ABPQ, BKBCH, BMBK, VSLKTB, WBLWWB - no station coordinates provided	Pequannock River and others	2009-2012	diurnal temperature
Pequannock River Coalition	Volunteer Monitoring Organization	No	Not submitted in useful format (all time stamps were zero)	Pequannock River and others	2009-2012	Diurnal dissolved oxygen
Pinelands Commission	Regional Agency	Yes	n/a	Pinelands Waters	2008-2010	pH, Temperature, Specific Conductance
Rutgers Cooperative Extension Water Resource Program	Academic Organization	Yes	n/a	Upper Salem River	2008-2009	conventional chemical/physical
Rutgers Cooperative Extension Water Resource Program	Academic Organization	Yes	n/a	Musconetcong River	2010	Phosphorus
Rutgers Cooperative Extension Water Resource Program	Academic Organization	Yes	n/a	Nichomus Run and Salem River	2008-2009	Pathogens
Rutgers Cooperative Extension Water Resource Program	Academic Organization	Yes	n/a	Nichomus Run and Salem River	2008-2009	Pathogens
Rutgers Cooperative Extension Water Resource Program	Academic Organization	No	Diurnal data submitted to STORET had no time information and data directly submitted did not have station association with hobo units.	Musconetcong and Passaic Rivers	2010	Diurnal Temperature
South Branch Watershed Association	Volunteer Monitoring Organization	Yes	n/a	South Branch Raritan River	2010	macroinvertebrates

Organization	Organization Type	Data Used for 2014 List?	If not, why not?	Waterbody Name	Monitoring Dates	Parameters
Stony Brook-Millstone Watershed Association	Volunteer Monitoring Organization	No	no approved QAPP for this data set	Stony Bk, Millstone R watershed: Duck Pond Run and Heathcote Brook	2008-2012	conventional chemical/physical
Upper Raritan Watershed Association	Volunteer Monitoring Organization	Yes	n/a	Peapack Brook, North Branch Raritan, Rockaway Creek, and respective watersheds	2009-2010	macroinvertebrates
US Environmental Protection Agency (USEPA)	federal government	Yes	n/a	NY Bight	2008-2009	conventional chemical/physical
US Geological Survey (USGS)	federal government	Yes	n/a	Statewide	2008-2012	conventional chemical/physical/diurnal/toxics/metals

2014 New Jersey Integrated Water Quality Assessment Report

Appendix F:

New Jersey Ambient Ground Water Quality Monitoring Network: *New Jersey Shallow Ground-Water Quality, 1999 - 2008*

Introduction

The State of New Jersey has a large population and diversified land use. The State's streams, lakes, ponds, bays, ocean and groundwater are affected to varying degrees by point and non-point sources of contamination. To understand and properly manage the quality of water in the State, effective monitoring programs are needed. One such program is the New Jersey Ambient Ground Water Quality Monitoring Network (NJAGWQMN).

The NJAGWQMN is comprised of 150 wells (fig.1) and is a cooperative project of the Department of Environmental Protection (NJDEP) and United States Geological Survey (USGS) that monitors and provides information about land-use-related non-point-source contaminant effects on shallow-ground-water quality in the State. This information is impor-tant because this water recharges deeper aquifers used for potable-water supplies and provides base flow to lo-cal streams and wetlands. Goals of the NJAGWQMN are to: (1) assess ground-water quality status, (2) assess ground-water quality trends, (3) evaluate contaminant sources, and (4) identify emerging water-quality issues by land use. The New Jersey Geological and Water Sur-vey (NJGWS) is responsible for network design, well installation, well maintenance, collection of ground-water samples, data interpretation, and report prepara-tion. The NJDEP Bureau of Fresh Water and Biological Monitoring and the USGS also collect ground-water samples; and the USGS National Water Quality Labo-ratory in Denver, Colorado analyzes them. Chemical and physical characteristics determined (or measured) in each well-water sample include: pH, specific con-ductivity, dissolved oxygen (DO), temperature, alkalin-ity, major ions, trace elements, nutrients, gross-alpha particle activity, volatile organic compounds (VOC), and pesticides.

Well sites were located using a stratified-random site selection process as outlined by Scott (1990). The final number of wells in each land use is: 60 in agri-cultural areas, 60 in urban/suburban areas and 30 in undeveloped areas. Land-use designations were deter-mined using 1986 and 1995 land-use GIS coverages,

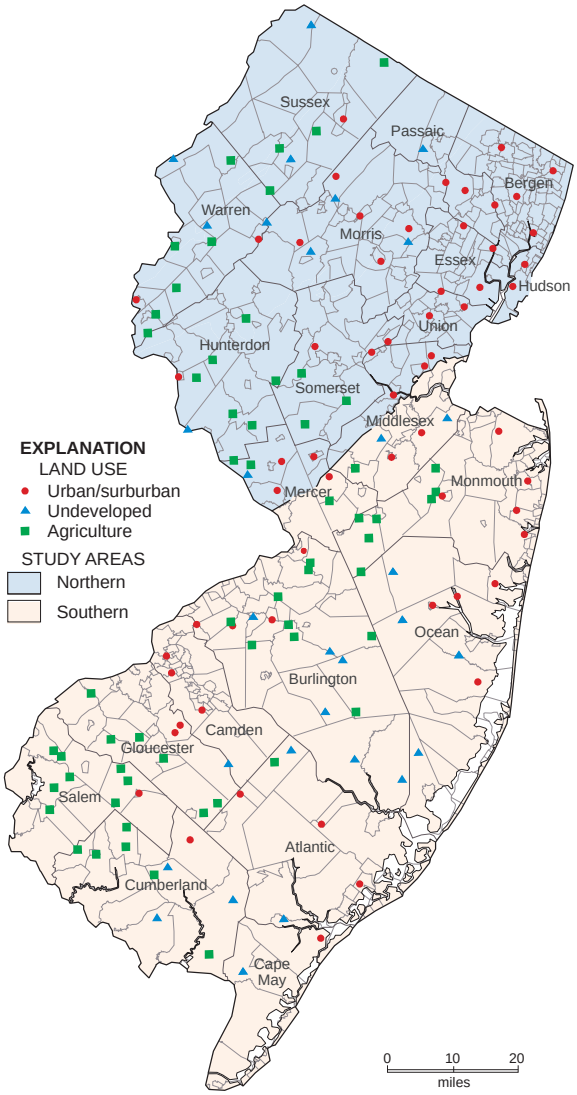


Figure 1. Location of Ambient Ground Water Quality Monitoring Network monitoring wells in New Jersey based on land use.

1995 aerial photographs and site visits. Ground-water-flow directions were estimated based on the local geo-logic framework and site-specific topographic controls. Network wells are screened, or open, just below the water table and the samples collected generally rep-resent relatively young groundwater. Wells are sampled, 30 per year, on a 5-

year cycle. The first sampling cycle was completed between 1999 and 2003 and the second between 2004 and 2008. The water quality data summarized here is based on these two complete sampling cycles. The third sampling cycle was completed in 2013 and data are now being checked for quality assurance, after which the results be analyzed. The NJGWS plans to release the new data and an updated report on the AGWQMN in the near future. In 2014, a gap analysis was performed on the network, at which point the sampling frequency of the network was increased from a 5-year monitoring cycle to a 3-year cycle.

Water-Quality Characteristics and Major Ions

To understand the general characteristics of shallow groundwater as it is controlled by geology and affected by land use, data on water-quality characteristics such as temperature, dissolved oxygen (DO), pH and total dissolved solid (TDS) are obtained. As described by Serfes and others, (2007), there are distinct differences in natural ground-water quality between southern and northern New Jersey. Southern New Jersey shallow groundwa-ter has a more acidic pH and lower TDS levels, which reflects its coastal plain origin (fig. 2). Northern New Jersey groundwater has a more basic pH, due to the regional bedrock geology, and it has a lower temperature because of its higher latitude and generally higher altitude (fig. 3).

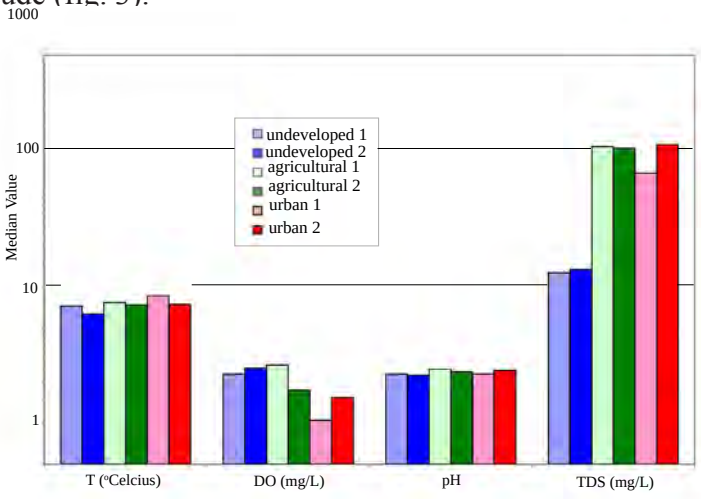


Figure 2. Physical characteristics of shallow groundwater in southern New Jersey based on land use and sampling cycle. (The numbers 1 and 2 in the key refer to samplying cycle 1 and sampling cycle 2, respectively.)

Temperature and pH values were similar between the two sampling cycles within each region. Both sampling cycles show lower DO levels and higher TDS levels in urban land use areas as compared to undeveloped (natural) areas in both regions. In both southern and northern New Jersey, sampling cycle 1 showed similar levels of DO in agricultural and undeveloped land areas. However, in sampling cycle 2 DO concentrations in agricultural areas were below the levels in undeveloped areas. Lower DO levels in urban land use areas are most likely the result of the large proportion of impervious surface area. Such surfaces have high thermal conductivity and heat storage capacity. Higher surface temperatures retards oxygen exchange with the atmosphere and organic wastewater consumes free oxygen, both lowering the DO. In agricultural areas, the lower

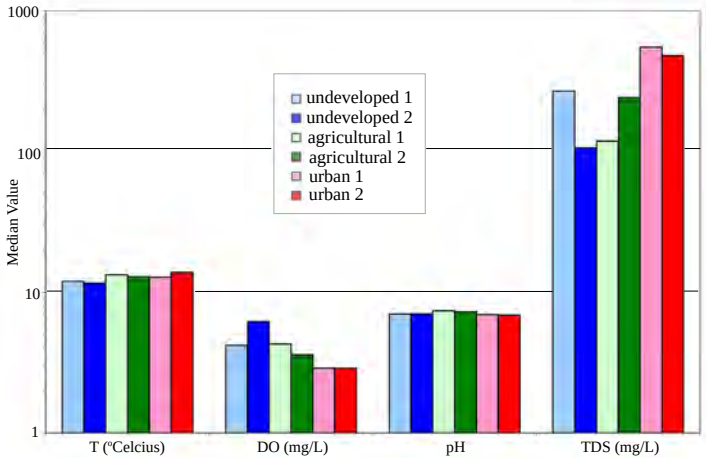


Figure 3. Physical characteristics of shallow groundwater in northern New Jersey based on land use and sampling cycle. (The numbers 1 and 2 in the key refer to samplying cycle 1 and sampling cycle 2, respectively.)

DO levels in shallow groundwater may be attributed to the proximity of the wells to road right-of-ways and the conversion of agricultural to urban land. Road salt, lawn care and agrochemical applications are the likely causes of higher TDS values in agricultural and urban land use areas.

The NJAGWQMN analyzes for the following major ions: calcium, magnesium, sodium, potassium, chloride, sulfate, fluoride, and silica. Higher concentrations of major ions in northern New Jersey are a reflection of the regional geology. Such concentrations are higher in agricultural and urban areas than in undeveloped ones (figs. 4 and 5). As with TDS, this may be attributed to road salt, lawn supplements and agrochemicals. Sodium and chloride showed the largest increase in median concentration from sampling cycle 1 to 2 in southern New Jersey, whereas in northern New Jersey the median concentrations remained relatively the same. The

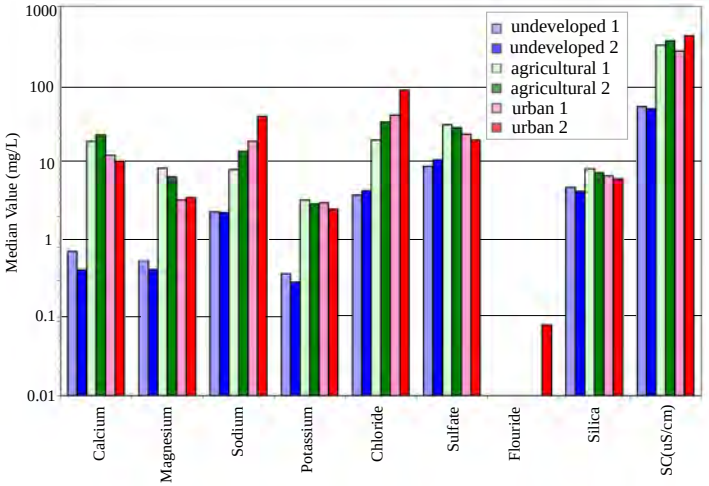


Figure 4. Major ions in shallow groundwater in southern New Jersey based on land use and sampling cycle. (The numbers 1 and 2 in the key refer to samplying cycle 1 and sampling cycle 2, respectively.)

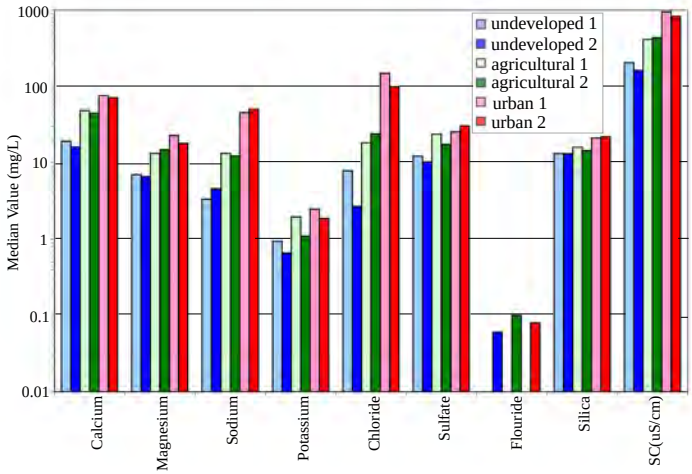


Figure 5. Major ions in shallow groundwater in northern New Jersey based on land use and sampling cycle. (The numbers 1 and 2 in the key refer to samplying cycle 1 and sampling cycle 2, respectively.)

increase in specific conductivity, sodium and chloride median concentrations in southern New Jersey has been shown in a study by the NJGWS (Bousenberry, 2007) to be from the application of road salt during the winter for deicing of roadways.

Trace Elements

Trace elements (metals) discussed here are those that exceeded the New Jersey Ground Water Standards (2010) at least once. In the coastal plain (southern New Jersey), iron and aluminum are probably natural in origin (fig. 6). Manganese has an urban and agricultural land-use association. Acidic and reducing ground-water conditions mobilize iron, aluminum and manganese. The decrease in the number of wells with excessive concentrations of iron and aluminum in groundwater from urban areas may be attributed to the increase in DO concentrations in those wells. The decrease in excessive iron and manganese concentrations between sampling cycles in undeveloped and agricultural areas can not be attributed to a change in pH, which has remained steady. The decrease may be attributed to natural fluctuations, especially in groundwater in which concentrations in sampling cycle 1 were close to the standards. The increase in aluminum in agricultural groundwater in the second sampling cycle may result from a decline in dissolved oxygen concentrations. The increase of manganese in urban area groundwater may be due to an increase in the use of lawn chemicals that mobilize manganese.

In the second round of sampling, one well located in undeveloped land use had an arsenic concentration of 3.3 µg/L. This concentration is slightly above the standard, attributable to a high degree of iron-oxide dissolution. During the same sampling cycle two wells located in urban land use yielded water with arsenic concentrations that had decreased from 112µg/L to 108 µg/L and 42µg/L to 21.9µg/L. The source of this arsenic is unknown.

Fertilizers, agrochemicals, and lawn care products may be the source or the mobilization agent for the beryllium, cadmium, lead, and nickel detected in the shallow groundwater of the coastal plain (ATSDR, 1992 and 2002).

Arsenic concentrations in northern New Jersey (fig. 7) are mostly natural in origin and the number of detections that exceeded the New Jersey Ground Water Standard declined in the later sampling cycle. One well that exceeded the arsenic standard for groundwater in undeveloped areas during the second sampling cycle had a concentration of 3.4 µg/L, which is slightly above the New Jersey Ground Water Standard of 3 µg/L.

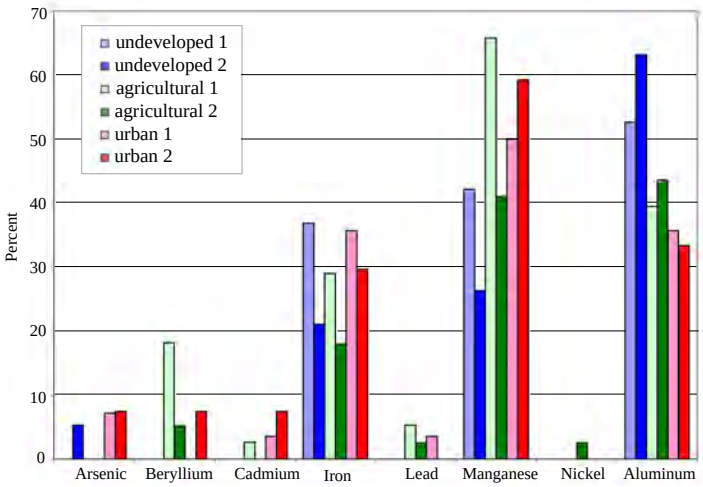


Figure 6. Percentage of trace elements in shallow groundwater in southern New Jersey that exceeded New Jersey Ground Water Quality Standards based on land use and sampling cycle. (The numbers 1 and 2 in the key refer to samplying cycle 1 and sampling cycle 2, respectively.)

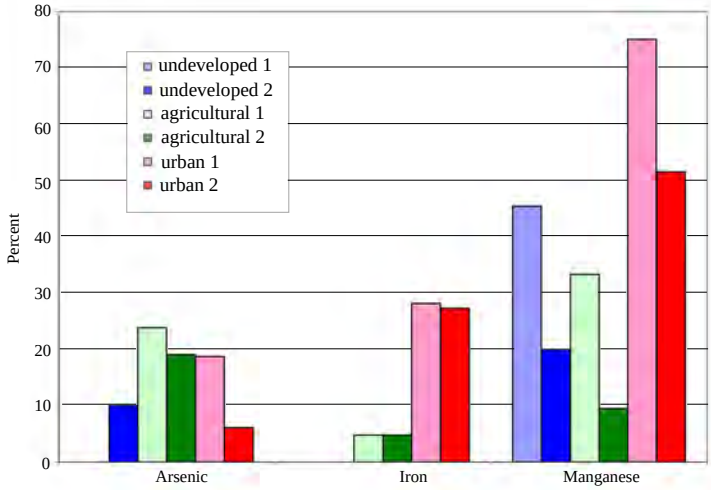


Figure 7. Percentage of trace elements in shallow groundwater in northern New Jersey that exceeded New Jersey Ground Water Quality Standards based on land use and sampling cycle. (The numbers 1 and 2 in the key refer to samplying cycle 1 and sampling cycle 2, respectively.)

Iron and manganese concentrations exhibit a strong urban association and possibly a weak agricultural connection. The reducing conditions in agricultural and urban areas, indicated by the lower DO concentrations, promote iron and manganese mobility. The decrease in manganese concentrations exceeding the ground water standard in undeveloped land in northern New Jersey may result from the increase in DO concentrations. In urban and agricultural areas the pH remained fairly unchanged between sampling cycles, and is unrelated to the decrease in manganese concentrations. A decrease in the use of agrochemicals and/or lawn fertilizers may have caused the decrease in excessive manganese concentrations. Iron concentrations remained little changed between sampling cycles.

Nutrients

Agricultural and urban areas in southern and northern New Jersey have high concentrations of nutrients in groundwater in comparison to undeveloped areas (figs. 8 and 9). Nutrient concentrations are dominated by nitrate and are the result of nitrogen-based fertilizers, and possibly by leakage from septic and sewer systems. In both southern and northern New Jersey, no change in nitrite plus nitrate concentrations in undeveloped areas was observed between sampling cycles. Median concentrations increased slightly in urban areas. In southern New Jersey median concentrations in groundwater from agricultural areas increased between sampling cycles, whereas in northern New Jersey the median concentration in groundwater decreased. In both southern and northern New Jersey the number of wells yielding water that exceeded the New Jersey Ground Water Standard in agricultural and urban areas decreased (fig. 10).

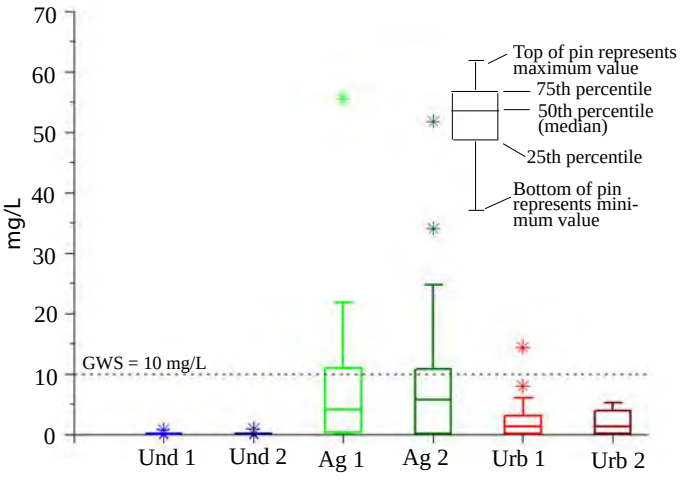


Figure 8. Box-and-pin diagram of nitrite plus nitrate concentrations in shallow groundwater in southern New Jersey based on land use and sampling cycle.

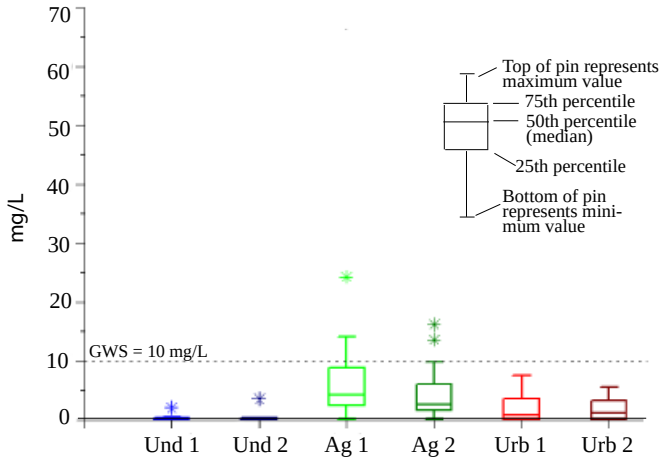


Figure 9. Box-and-pin diagram of nitrite plus nitrate concentrations in shallow groundwater in northern New Jersey based on land use and sampling cycle.

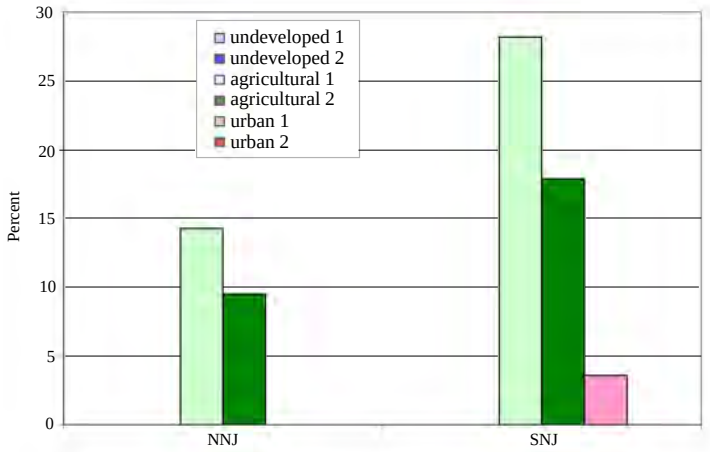


Figure 10. Percentage of wells in New Jersey with nitrite plus nitrate concentrations in shallow groundwater that exceeded New Jersey Ground Water Quality Standards based on land use and sampling cycle. (The numbers 1 and 2 in the key refer to samplying cycle 1 and sampling cycle 2, respectively.)

Pesticides

Statewide, urban and agricultural lands had the most wells with pesticide detections in both sampling cycles (fig. 11). In southern New Jersey the percentage in agricultural and urban land decreased between sampling cycles, whereas in undeveloped areas it remained the same. In northern New Jersey the percentage of detection of pesticides between sampling cycles increased in all land uses. In urban and undeveloped areas one additional well had a pesticide detection in sampling cycle 2, whereas 3 additional wells in agricultural areas had detected pesticides. The percentage of detection of pesticides in urban areas statewide remained unchanged between sampling cycles at 28 wells, while in undeveloped areas 1 additional well had a detectable pesticide, whereas agricultural areas had 1 fewer. The variety of pesticides detected in southern and northern New Jersey is highest in agricultural and urban areas in both

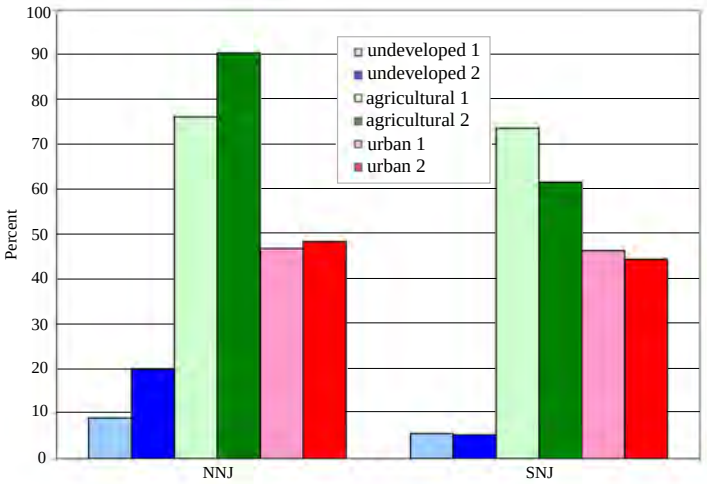


Figure 11. Percentage of wells in New Jersey with pesticide detections in shallow groundwater based on land use and sampling cycle. (The numbers 1 and 2 in the key refer to samplying cycle 1 and sampling cycle 2, respectively.)

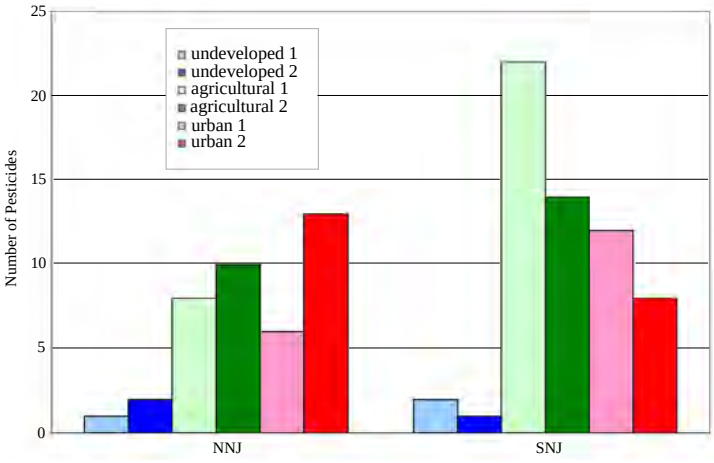


Figure 12. Pesticide compounds detected in shallow groundwater in New Jersey based on land use and sampling cycle. (The numbers 1 and 2 in the key refer to samplying cycle 1 and sampling cycle 2, respectively.)

sampling cycles, as expected (fig. 12). The variety of pesticides detected between sampling cycles decreased in southern New Jersey, whereas in the north it increased.

In 2007, the pesticide sampling schedule was changed to incorporate more degradation byproducts. During this change, most of the samples collected were in northern New Jersey. This may account for the increase in the percentage and the variety of pesticides detected. The most common compounds statewide, as well in both sampling cycles were: atrazine, deethylatrazine, metolachlor, prometon and simazine. These compounds are all herbicides that are used to control grasses and broad-leaf plants, except for deethylatrazine which is the major metabolite of atrazine.

Volatile Organic Compounds (VOC)

A statewide decrease in the occurrence of VOC detected in ground water was observed in all areas. An overall decrease between sampling cycles of the variety of VOC compounds detected was observed in both southern and northern New Jersey (fig. 13). In southern New Jersey, 16 compounds were detected in sampling cycle 2 as compared to 28 compounds in sampling cycle 1. Northern New Jersey decreased from 20 specific compounds in sampling cycle 1 to 10 compounds in sampling cycle 2.

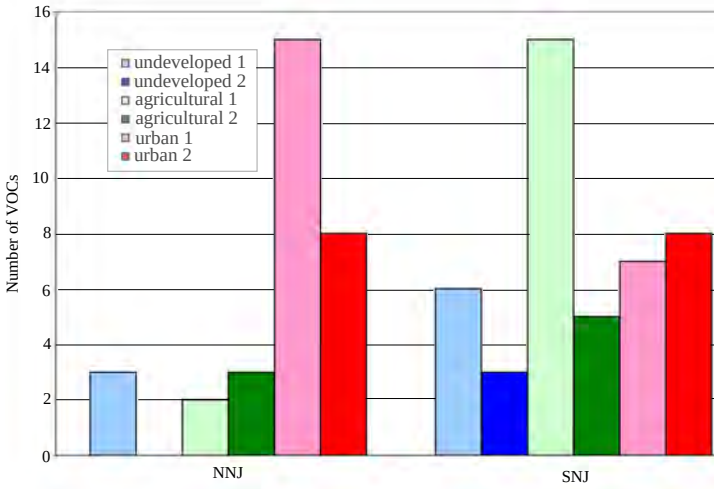


Figure 13. Volatile Organic Compounds detected in shallow groundwater in New Jersey based on land use and sampling cycle. (The numbers 1 and 2 in the key refer to samplying cycle 1 and sampling cycle 2, respectively.)

In agricultural and undeveloped areas in southern New Jersey, the percentage of detection decreased (fig. 14). Urban areas in southern New Jersey showed an increase as a percentage, but remained constant at 17 wells. The percentage increase is due to the fact that 1 urban well was replaced, and its new location is not in

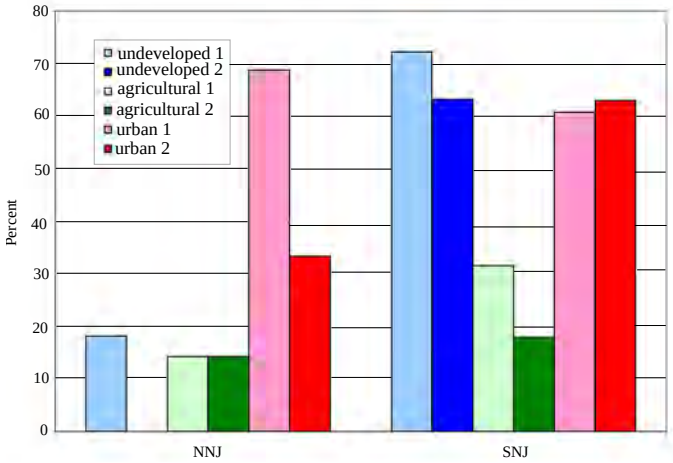


Figure 14. Percentage of wells in New Jersey with VOC detections in shallow groundwater based on land use and sampling cycle. (The numbers 1 and 2 in the key refer to samplying cycle 1 and sampling cycle 2, respectively.)

the coastal plain. Eleven of the 12 monitoring wells in undeveloped areas in southern New Jersey had a detectable concentration of chloroform in sampling cycle 2. This may be attributed to natural and anthropogenic origins. Chloroform has been found to be produced by soil fungi and termites (Hoekstra et al., 1998). Anthropogenic origins are atmospheric deposition, septic systems, leaking sewers, and chlorinated drinking water used to water lawns and gardens, and to fill swimming pools. Sampling cycle 2 confirms the interpretation based on cycle 1 that the occurrence of VOC in groundwater results from land use practices in northern New Jersey. Most wells with detectable VOC were in urban and agricultural areas. Between sampling cycles in northern New Jersey the number of such wells in undeveloped and urban areas decreased, whereas in agricultural areas it remained constant at 3 wells (fig. 14).

Methyl tertiarybutyl ether (MTBE), an additive in gasoline, showed a steep statewide decline in the percentage of detection in shallow groundwater (fig. 15). In southern New Jersey, urban and undeveloped areas showed a decrease in the occurrence of MTBE. Wells in agricultural areas were the exception to this general trend. During sampling cycle 1 they had a percentage of detection of 13 percent that increased to 15 percent in sampling cycle 2; an increase from 5 to 6 wells. In undeveloped-land wells, the percentage decreased from 6 percent to 0 percent and in urban areas it dropped from 43 percent to 30 percent. During the first round of sampling in northern New Jersey, 50 percent of the urban wells, 14 percent of agricultural wells, and 9 percent of the wells in undeveloped land had detectable MTBE. In sampling cycle 2 there was no detectable MTBE in wells located in urban and undeveloped areas. Detectable MTBE declined from 3 wells to 1 well at the same time in agricultural areas. The decrease of MTBE in shallow groundwater is attributed to a ban on using MTBE in the State of New Jersey. In 2005 the State passed legislation banning use of MTBE in gasoline by 2009. Southern New Jersey had more detectable MTBE than northern New Jersey in sampling cycle 2, most likely due to atmospheric deposition, because the predominant wind patterns are from the west.

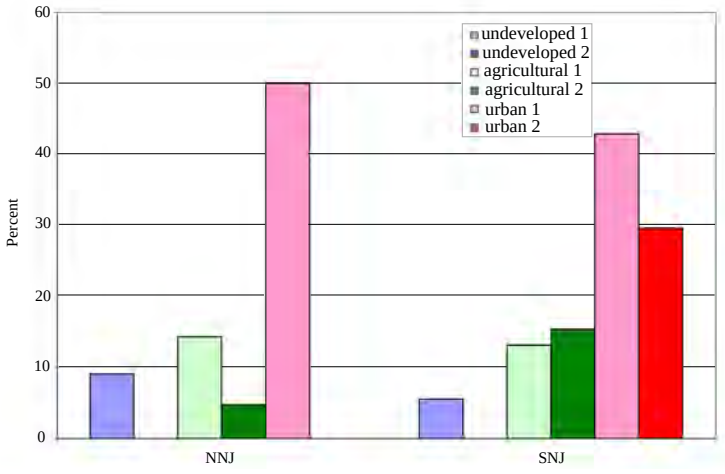


Figure 15. Percentage of wells with MTBE detections in shallow groundwater in New Jersey based on land use and sampling cycle. (The numbers 1 and 2 in the key refer to samplying cycle 1 and sampling cycle 2, respectively.)

Radioactivity

Gross alpha-particle radiation was generally higher in southern than in northern New Jersey (figs. 16 &17) in sampling cycles 1 and 2. This is most likely due to the greater abundance of radium-224 in southern New Jersey and the low groundwater pH which increases radium's mobility. In both sampling cycles throughout the State the highest radium activity was in agricultural and urban areas. More radium is mobilized in these ar-

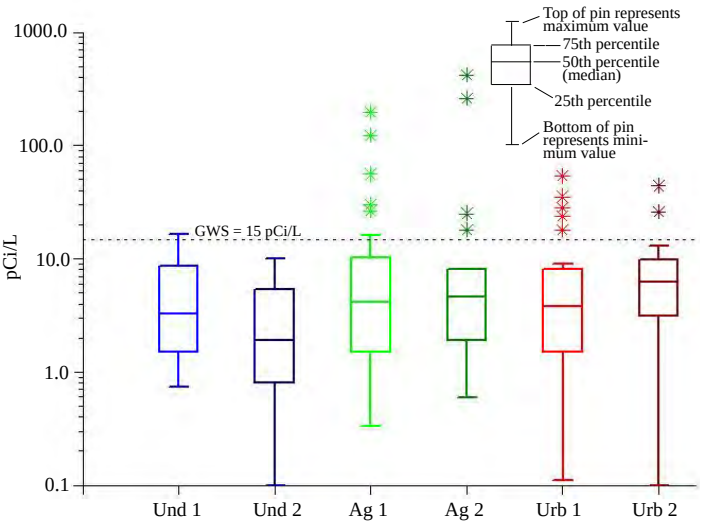


Figure 16. Box-and-pin diagram of gross alpha radiation concentrations in shallow groundwater in southern New Jersey based on land use and sampling cycle.

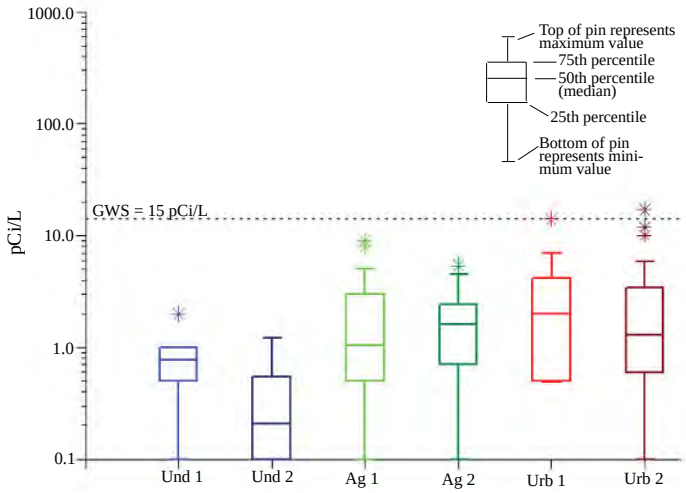


Figure 17. Box-and-pin diagram of gross alpha radiation concentrations in shallow groundwater in northern New Jersey based on land use and sampling cycle.

eas because agricultural and lawn-care chemicals compete with radium for adsorption sites. In southern New Jersey agricultural and urban wells showed an increase in median gross alpha concentrations, and a decrease in undeveloped land areas. In northern New Jersey the median gross-alpha value decreased in undeveloped and urban areas between sampling cycles. In agricultural areas the median concentration increased slightly.

Summary

In both sampling cycles, in agricultural and urban areas, total dissolved solids concentrations, as well as the concentration, percentage, and variety of major ions, trace elements, nutrients, volatile organic compounds, and pesticides are higher than in undeveloped areas. Although nitrite plus nitrate median concentrations in shallow groundwater fluctuated slightly in urban and agricultural areas between sampling cycles, they were nevertheless higher than those in undeveloped areas. The highest concentration and percentage of detection was in agricultural areas. The number of wells that exceed the nitrite plus nitrate New Jersey Ground Water Standard decreased between sampling cycles statewide. At the same time the variety and abundance of pesticides decreased in southern New Jersey, whereas in northern New Jersey they increased. This increase may be attributed to an augmented sampling schedule which included more compounds and metabolites. Pesticide concentrations remained mostly unchanged between sampling cycles. Atrazine, deethylatrazine, metolachlor, prometon, and simazine were the most common pesticides in southern and northern New Jersey in both sampling cycles. The variety and abundance of VOCs in southern and northern New Jersey decreased between sampling periods, whereas their concentrations remained fairly unchanged. MTBE (methyl tertiarybutyl ether) showed the steepest decline in percentage of detection statewide. Increased use of agrochemicals and lawn chemicals may be attributed to the increased radioactivity between sampling cycles. Although there seem to be some trends between sampling cycles in southern and northern New Jersey, two sampling cycles are not enough to establish long-term trends.

Sources of Information

Agency for Toxic Substances and Disease Registry (ATSDR), 1992, Toxicology profile for antimony. Atlanta, GA: U.S. Dept. of Health and Human Services.

Agency for Toxic Substances and Disease Registry (ATSDR), 2002, Toxicology profile for beryllium. Atlanta, GA: U.S. Dept. of Health and Human Services.

Baehr, A.L., Stackelberg, P.E., and Barker, R.J., 1999, Evaluation of the atmosphere as a source of volatile organic compounds in shallow ground water, Water Resources Research, vol. 35, no. 1, p. 127-136.

Bousenberry, R., 2007, Temporal Variations in Specific Conductivity in the Coastal Plain of New Jersey. Presentation of study findings to the 2007 New Jersey Volunteer Monitoring Summit.

Hoekstra, Eddo J., De Leer, Ed W.B., and Brinkman, Udo A. Th., 1998, Natural Formation of Chloroform and Brominated Trihalmethanes in Soil, Environmental Science Technology, vol. 32, p. 3724-3729.

NJDEP, 2000, 1995/97 Land use/land cover update by Watershed Management Area.

NJDEP, 2010, New Jersey Ground Water Quality Standards, Statutory Authority: N.J.S.A. 58:10A-1 et seq. and 58:11A-1 et seq., http://www.nj.gov/dep/rules/rules/njac7_9c.pdf

Scott, J.C., 1990, Computerized stratified random site-selection approaches for design of a ground-water-quality sampling network, U.S. Geological Survey, WRI Report 90-4101.

Serfes, M., Bousenberry, R., and Gibs, J., 2007, New Jersey Ambient Ground Water Quality Monitoring Network: Status of shallow ground-water quality, 1999-2004, New Jersey Geological Survey Information Circular.

STATE OF NEW JERSEY

Chris Christie, *Governor*

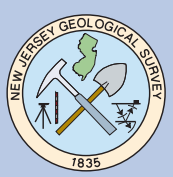
Kim Guadagno, *Lieutenant Governor*

Department of Environmental Protection

Bob Martin, *Commissioner*

New Jersey Geological and Water Survey

Karl Muessig, *State Geologist*



Prepared by Raymond Bousenberry

New Jersey Geological and Water Survey

2014

Comments or requests for information are welcome.

Write: NJGWS, P.O. Box 420, Mail Code 29-01, Trenton, NJ 08625

Phone: 609-292-1185

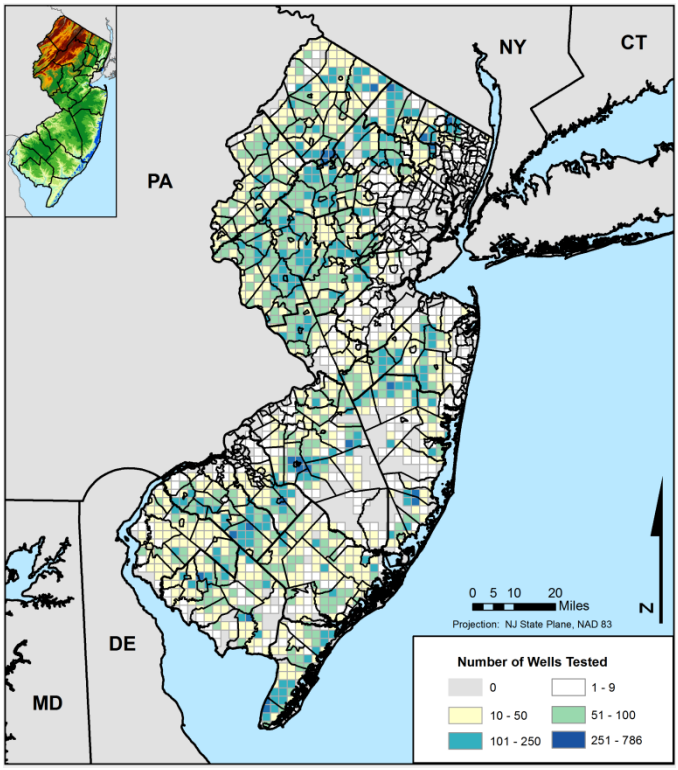
Visit the NJGWS web site @ http://www.njgeology.org/

This information circular is available upon written request or by downloading a copy from the NJGWS web site.

Appendix F: Private Well Testing Act Results

Approximately 400,000 private wells (about 13 percent of New Jersey residents) are used for drinking water in New Jersey. There are no federal regulations regarding the quality of private wells and, before the Private Well Testing Act (PWTA) was passed in 2001, state regulations focused on well construction. Since September 2002, testing of private wells for a list of contaminants has been required when the property is sold or leased. All samples are raw water samples taken before any treatment. Statewide, wells are required to be tested for bacteria (total coliform), nitrates, 26 volatile organic compounds, and lead, along with three secondary parameters; pH, iron, and manganese. Other parameters, including mercury, arsenic, and radium (gross alpha) are only required in certain counties.

Figure F.1: Private Wells Tested Statewide



The following is a summary of the Department's assessment of private well data compared with the federal and state drinking water standards for potable supplies. This analysis shows that naturally-occurring contaminants (i.e., arsenic, gross alpha particle counts, manganese, and iron) most frequently exceeded drinking water primary/secondary standards in private wells, followed by contaminants (i.e., nitrates) entering ground water via nonpoint sources of pollution. Contaminants associated with point sources of pollution (i.e., VOCs and mercury) were the least frequently found in concentrations above drinking water maximum contaminant levels (MCLs). A maximum contaminant level (MCL) is the maximum concentration of a contaminant that is allowed in drinking water. The distribution of wells tested statewide is displayed in Figure F.1.

Fecal Indicator Bacteria: Over 106,000 wells have been tested or retested for the presence of a group of bacteria called total coliform (TC). When TC is detected in a private well it is further tested for fecal coliform (FC) or *E. coli* (EC) bacteria. The presence of either FC of EC bacteria is strong evidence that a well has been contaminated with fecal wastes, which can come from a variety of human (septic tanks, leaking sewer lines) or animal (surface water infiltration) sources. FC or EC were detected in 2.1 percent (2,203) of the sampled or resampled wells. Table 3.2 shows the breakdown of the number and percent of wells in which either FC or EC were detected, by physiographic provinces. The Coastal Plain had the lowest percentage of wells in which FC or EC was detected. This may be because the sand and clay layers of the Coastal Plain

protect wells from fecal contamination better than the sedimentary, igneous, or metamorphic rocks that comprise the three bedrock provinces in the north.

Table 3.2: Number and Percentage of Total Coliform-Positive Wells With Fecal Coliform or *E. coli* Detected

Province	No. of Wells	No. FC- or EC-positive	Percent
Valley and Ridge	7,625	333	4.4
Highlands	23,821	638	2.7
Piedmont	20,912	757	3.6
Coastal Plain	53,894	475	0.9
Totals	106,252	2,203	2.1

Nitrate: Nitrate and its reduced form, nitrite, are found in ground water due to natural deposition, runoff from fertilizer use or manure, leaching from septic tanks, and leakage from sewer lines. The drinking water maximum contaminant level (MCL) for nitrate is 10 milligrams per liter (mg/l). Table 3.3 shows a breakdown of the number and percent of 86,767 unique wells sampled that exhibited levels of the nitrate above the MCL, by physiographic province. Of the private wells sampled, 2.7 percent (2,375 wells) contained nitrate levels above the drinking water MCL. The Coastal Plain had the highest percentage (3.9 percent) of wells containing nitrate levels above the drinking water MCL.

Table 3.3: Number and Percentage of Wells with Nitrate Above the 10 mg/L MCL

Province	No. of Wells	No. of Wells Above 10 mg/L	Percent
Valley and Ridge	6,346	60	0.9
Highlands	19,192	486	2.5
Piedmont	17,068	103	0.6
Coastal Plain	44,161	1,726	3.9
Total	86,767	2,375	2.7

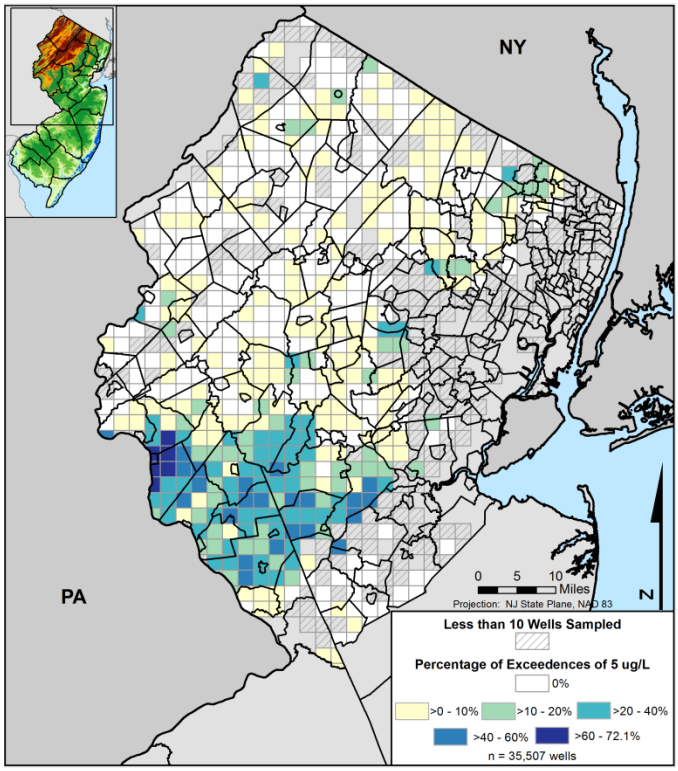
Arsenic: Arsenic in New Jersey ground water has mainly geologic origins; however, in some areas it may be related to land use practices. The Department found that high arsenic concentrations occur when the dissolved oxygen concentration is low and pH values are greater than 7.5[1]. All of the northern twelve New Jersey counties are required by the PWTA to monitor for arsenic. Table 3.4 shows the breakdown of wells sampled in those counties that contained arsenic levels above the New Jersey drinking water MCL of 5 micrograms per liter (*u*g/l), by physiographic province. Of the 35,507 private wells sampled in those counties, 8.9 percent (3,144) contained levels of arsenic above the New Jersey MCL. The Piedmont region had the highest percentage of wells (17.1 percent) with arsenic levels above the MCL (see Figure 3.16).

[1] New Jersey Geological Survey. New Jersey Department of Environmental Protection. *Arsenic in New Jersey Ground Water*. 2004. Information circular available at http://www.state.nj.us/dep/njgs/enviroed/infocirc/arsenic.pdf.

Table 3.4: Number and Percentage of Wells with Arsenic Above the 5 *u*g/LMCL

Province	No. Wells	No. Wells Above 5 *u*g/l	Percent
Valley and Ridge	2,575	52	2.0
Highlands	15,149	168	1.1
Piedmont	17,064	2,917	17.1
Coastal Plain	719	7	1.0
Totals	35,507	3,144	8.9

Figure 3.16: Percentage of Wells with Arsenic Concentrations above the 5 *u*g/L MCL



Mercury: Mercury concentrations were measured in 43,439 wells in southern New Jersey's nine counties, which are all located within the Coastal Plain. Less than one percent of the wells contained mercury levels above the drinking water MCL for mercury (2 *u*g/l). The source of mercury in these private wells is not clear.

Radium (Gross Alpha): Gross alpha particle activity measured as picoCuries per liter (pCi/l) is used as a surrogate measurement for radium due to the high cost of radium isotope testing. It is a measurement of all alpha activity present, regardless of the specific radionuclide source. The federal MCL for gross alpha is 15 pCi/l minus the contribution of uranium. All of the southern nine counties and three northern counties (Hunterdon, Mercer, and Middlesex) are required by the PWTA to monitor for gross Alpha. In the Coastal Plain, where the only radionuclide present is radium, this screening test works quite well; however, in northern New Jersey outside of the

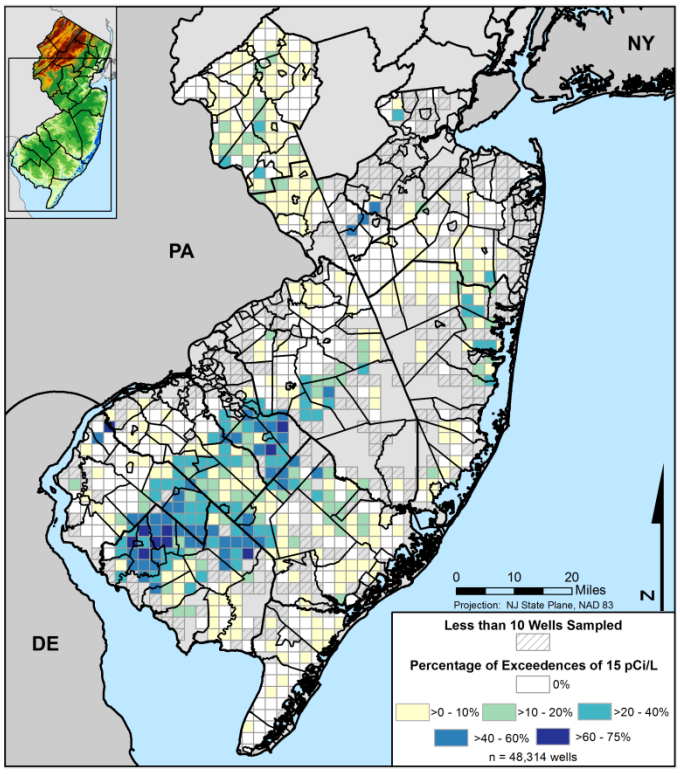
coastal plain, where samples may contain uranium, radium, or a combination of both, gross alpha measurements do not provide sufficient information to evaluate whether a particular sample exceeds the drinking water MCL. Table 3.5 shows the breakdown of private wells sampled that contained levels of gross alpha above the federal MCL, by physiographic province. Of the 48,314 private wells sampled, 10.1 percent (4,874) contained gross alpha levels above the federal MCL; however, only the results for the Coastal Plain are considered accurate due to the likely presence of other radionuclides in the other provinces. Approximately eleven percent (4,505) of private wells tested in the Coastal Plain contained levels of gross alpha above the federal MCL (see Figure 3.17).

Table 3.5: Number and Percentage of Wells with Gross Alpha Above the MCL (15 pCi/l)

Province	No. Wells	No. Well Above 15 pCi/l	Percent
Coastal Plain	39,271	4,505	11.5
Piedmont*	7,222	317	4.4
Highlands*	1,821	52	2.9
Totals	48,314	4,874	10.1

* Piedmont and Highlands samples may contain Radium and/or Uranium.

Figure 3.17: Percentage of Wells with Gross Alpha above the 15 pCi/L MCL



Manganese: Manganese is commonly found in ground water. High concentrations of manganese may cause the water to become brown or black, resulting in staining and a bitter metallic taste. USEPA has set a secondary MCL for manganese of 0.05 mg/l. USEPA has also set a lifetime health advisory of 0.30 mg/l based on the occurrence of neurological effects. Table 3.6 shows the breakdown of private wells sampled that contained manganese levels above the federal secondary MCL of 0.05 mg/l and the lifetime health advisory for manganese, by physiographic province. Overall, 19.7 percent of the private wells tested contained manganese levels above the secondary standard; 3.2 percent contained levels above the lifetime health advisory. Manganese levels above the federal lifetime health advisory were present most frequently in private wells in the Highlands and Ridge and Valley physiographic provinces.

Table 3.6: Number and Percentage of Wells with Manganese above the Secondary MCL (0.05 mg/l) and the Lifetime Health Advisory (0.300 mg/l)

Province	No. of Wells	No. Wells Above 0.05 mg/l	% above 0.05 mg/l	No. Wells Above 0.300 mg/l	% above 0.300 mg/l
Valley and Ridge	6,346	1,729	27.2	355	5.6
Highlands	19,192	3,648	19.0	1,294	6.7
Piedmont	17,068	1,536	9.0	303	1.8
Coastal Plain	44,161	10,141	23.0	784	1.8
Totals	**86,767**	**17,054**	**19.7**	**2,736**	**3.2**

Iron: Iron is a common problem in private wells. Iron-bearing ground water is often noticeably orange in color, causing discoloration of laundry, and has an unpleasant taste. Iron dissolved in ground water is in the reduced iron II form. This form is soluble and normally does not cause any problems by itself. Iron II is oxidized to iron III upon contact with oxygen in the air or by the action of iron-related bacteria. Iron III forms insoluble hydroxides in water. These are rusty-red and cause staining and blockage of screens, pumps, pipes, reticulation systems, etc. USEPA has set a secondary standard for iron of 0.300 mg/l. Table 3.7 shows the breakdown of private wells tested that contained iron concentrations above the secondary standard, by physiographic province. Of the 86,767 private wells sampled, 29.5 percent (25,585) contained iron concentrations above the federal secondary standard. The acidic Coastal Plain exhibited the highest percentage of wells (39.1%) with iron concentrations above the secondary standard.

Table 3.7: Number and Percentage of Wells with Iron above the Secondary Standard (0.3 mg/l)

Physiographic Province	No. Wells	No. Wells Above 0.300 mg/l	Percent
Valley and Ridge	6,346	1,409	22.2
Highlands	19,192	4,901	25.5
Piedmont	17,068	2,029	11.9
Coastal Plain	44,161	17,246	39.1
Totals	**86,767**	**25,585**	**29.5**

Volatile Organic Compounds: Volatile organic compounds (VOCs) are often found in ground water. All wells in New Jersey are required to be tested for the 26 VOCs that have state or

federal MCLs. Table 3.8 shows the number and percentage of wells in which each of the 26 VOCs was detected at concentrations greater than 0.5 parts per billion (ppb); the federal minimum detection limit for VOCs. The highest percentage of VOCs detected over 0.5 ppb were MTBE (7.10%), toluene (4.25%), and total xylenes (2.78%), which are components of gasoline; and the solvents trichloroethylene (0.74%) and tetrachloroethylene (0.63%). This table also shows the corresponding MCL for each VOC and the number and percentage of private wells sampled that contained concentrations of each VOC above its MCL. Of the private wells tested statewide, 1.2 percent (1,049) contained at least one VOC in concentrations above the corresponding drinking water MCL.

Table 3.8: Volatile Organic Compounds Detected in NJ Private Drinking Water Wells

VOC	Number of Wells with Detections (over 0.5 ppb[1])	Percentage of Wells with Detections	Applicable MCL (ppb)	Number of Wells Above MCL	Percentage of Wells Above MCL	Range (ppb)
Benzene	280	0.32	1	82	0.09	ND[2] – 57.0
Carbon Tetrachloride	312	0.36	2	106	0.12	ND – 157.0
Chlorobenzene	49	0.06	50	0	0.00	ND – 15.8
1,2-Dichlorobenzene	37	0.04	600	0	0.00	ND – 5.2
1,3-Dichlorobenzene	35	0.04	600	0	0.00	ND – 18.6
1,4-Dichlorobenzene	84	0.10	75	0	0.00	ND – 6.5
1,1-Dichloroethane	236	0.27	50	2	0.00	ND – 82.0
1,2-Dichloroethane	119	0.14	2	36	0.04	ND – 73.6
1,1-Dichloroethylene	184	0.21	2	51	0.06	ND – 45.0
cis-1,2-Dichlorothylene	184	0.21	70	2	0.00	ND – 362
trans-1,2-Dichlorothylene	18	0.02	100	0	0.00	ND – 18.9
1,2-Dichloropropane	135	0.16	5	26	0.03	ND – 240
Ethylbenzene	131	0.15	700	0	0.00	ND – 21.3
Methylene Chloride	447	0.52	3	63	0.07	ND – 106
MTBE	6,160	7.10	70	38	0.04	ND – 1,550
Naphthalene	291	0.34	300	0	0.00	ND – 22.9
Styrene	102	0.12	100	1	0.00	ND – 149
1,1,2,2-Tetrachloroethane	28	0.03	1	12	0.01	ND – 25.1
Tetrachloroethylene	550	0.63	1	352	0.41	ND – 1,615
Toluene	3687	4.25	1000	0	0.00	ND – 464
1,2,4-Trichlorobenzene	30	0.03	9	1	0.00	ND – 36.0
1,1,1-Trichloroethane	264	0.30	30	1	0.00	ND – 50.5
1,1,2-Trichloroethane	23	0.03	3	2	0.00	ND – 7.6
Trichloroethylene	638	0.74	1	372	0.43	ND – 550
Vinyl Chloride	63	0.07	2	15	0.02	ND – 5.1
Xylenes (Total)	2412	2.78	1000	0	0.00	ND – 78.0

[1]ppb = micrograms/l (*u*g/L)
[2]ND = not detected