Collection and Evaluation of Ambient Nutrient Data for Rivers and Streams in New England

Data Synthesis Report

Final Report

A Cooperative Effort of the Following:

New England Interstate Water Pollution Control Commission

United States Environmental Protection Agency-New England

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New England States Regional Technical Advisory Team

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1.0 OVERVIEW OF NEW ENGLAND NUTRIENT DATABASE FOR RIVERS AND STREAMS

1.1 Purpose and Goal of Data Synthesis Report

The purpose of the Data Synthesis Report (DSR) is to summarize and document the results of ENSR's acquisition and database entry of qualified nutrient-related data. This data were collected to support and facilitate the development of regional New England nutrient criteria for rivers/streams and to provide analysis of potential approaches or classification schemes that States might consider in development of their nutrient criteria implementation plans. This document is a deliverable under Phase III, Year 2 of the "Collection and Evaluation of Ambient Nutrient Data" Project being conducted for the New England Interstate Water Pollution Control Commission ("the Commission") with funding provided by the United States Environmental Protection Agency (U.S.EPA) New England region.

This document identifies and describes data and its sources collected and evaluated for inclusion in the New England Nutrient Database for Rivers and Streams ("the Nutrient Database"). An analogous data collection and database development was conducted for lake and ponds and resulted in the New England Nutrient Database for Lakes/Ponds/Reservoirs (NEIWPCC, 2000). In the DSR, the Rivers and Streams Nutrient Database is fully described and summarized. Finally, the DSR identifies potential methods of developing draft nutrient criteria through as well as any outstanding issues that may need to be addressed further will be identified.

Specific objectives of the DSR are as follows:

- Provide sufficient regulatory background as a framework for the project objectives;
- Document and describe the sources of electronic nutrient data acquired;
- Describe the basic structure and features of the draft Database;
- Describe and summarize the contents of the draft Database with regard to amount of data, number of waterbodies, parameters of interest, ecoregional coverage, etc.;
- Refine the draft Database to identify waterbodies of interest (i.e., those for which sufficient nutrient data is available for comparison and analysis);
- Describe selection of reference, test, and impacted waterbodies;
- Provide examples of preliminary draft nutrient criteria based on suggested methods from the EPA Technical Guidance Document and other source; and
- Identify potential issues regarding development of nutrient criteria.

1.2 Relationship of Nutrient Database to Regional Nutrient Criteria Development

Development of regional waterbody-specific nutrient criteria is a national priority first identified in the *National Strategy for the Development of Regional Nutrient Criteria* (U.S. EPA, 1998). The U.S. EPA has issued Ambient Water Quality Criteria Recommendations (or "reference conditions") for nutrients for rivers and lakes in the 14 national ecoregions and States must make significant progress towards adopting nutrient criteria as water quality standards by the end of 2004. For New England, U.S. EPA has established numeric nutrient criteria recommendations for rivers in Ecoregions VII, VIII, and XIV (U.S. EPA, 2000b; 2000c; 2001). U.S. EPA has also issued waterbody-specific technical guidance, in the form of the *Nutrient Criteria Technical Guidance Manual Rivers and Streams* (U.S. EPA, 2000a.)

This project is being conducted as part of the overall U.S. EPA National Strategy, with the stated objective to investigate promising approaches to ecoregion-specific nutrient criteria and to assist the states in their development of implementation plans to adopt nutrient criteria. The major elements of this strategy are presented below, *with those elements most relevant to this project marked in italics*:

- *Use of regional and waterbody-type approach for the development of nutrient criteria;*
- Development of waterbody-type technical guidance documents (i.e., documents for streams and rivers; lakes and reservoirs; estuaries and coastal waters; and wetlands) that will serve as "user manuals" for assessing trophic state and developing region-specific nutrient criteria to control overenrichment;
- *Establishment of an U.S. EPA National Nutrient Team with Regional Nutrient Coordinators to develop regional databases and promote State and Tribal Involvement;*
- *Development by U.S. EPA of nutrient water quality criteria in the form of numerical regional target ranges, which U.S. EPA expects States and Tribes to use in implementing State management programs to reduce overenrichment in surface waters, i.e., through the development of water quality criteria, standards, NPDES permit limits, and total maximum daily loads (TMDLs); and*
- Monitoring and evaluation of the effectiveness of nutrient management programs as they are implemented.

To support this effort in New England, ENSR was contracted by the Commission to construct a regional database from existing Federal, State, academic and Tribal nutrient data. The development of the regional database for Rivers and Streams followed the following tasks:

- **Collection of Electronic Data** – recent vintage (i.e., 1990 or later) electronic databases of nutrient, trophic status response indicators, and ancillary water quality, flow, and watershed information will be obtained from Federal, State, Tribal sources, as well as other qualified sources (i.e., academic institutions, watershed groups);

- **Conduct QA/QC Reviews** – prior to inclusion into the regional database, information will be reviewed and documented with regard to accuracy, sufficiency, representativeness, and analytical quality. Data will be separated into those to be incorporated into the database and those deferred (and broadly classified as to quality) for later consideration (see Data Gap Analysis);
- **Data Distribution Report** – based on the primary data collection efforts, a Data Distribution Report (DDR) was generated (as internal document NEIWPCC and U.S. EPA) to that describes the nature and extent of the qualified waterbody nutrient data, along with summary statistics and preliminary analyses. The DDR identified potential data gaps; and
- **Data Synthesis and Final Report** – the completed regional Nutrient Database is presented with complete description of its development and a wide array of analyses and comparisons to support nutrient criteria development.

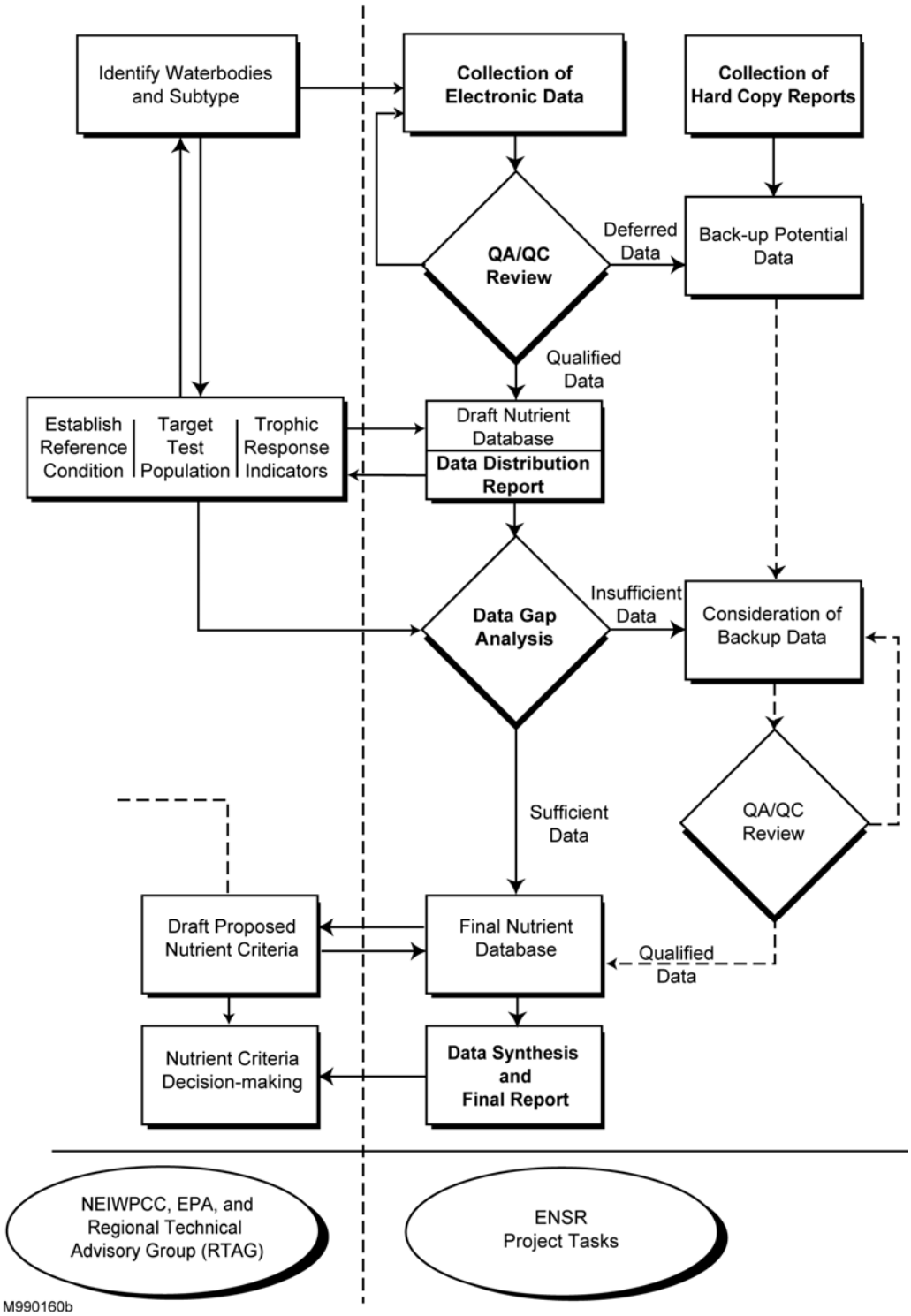
The general relationship between project tasks and the specific objectives is depicted in Figure 1-1, which provides a simplified flowchart indicating the sequence for development of the New England Nutrient Database for Rivers and Streams and its applicability to development of nutrient criteria.

The approach used for acquiring and classifying nutrient data in the database is similar to that for lakes and ponds and originally described in a Technical Memorandum (ENSR, 1999) during Phase I of this project. The Technical Memorandum was distributed and presented to the New England regional technical assistance group (RTAG), consisting of a selected number of state and federal agency contacts, U.S. EPA, and the Commission. The approach described by the Technical Memorandum was reviewed, discussed, and approved by the RTAG, U.S. EPA, and the Commission. This same approach was used in developing the R/S Nutrient Database

1.3 Organization of Report

This report is organized in the following fashion. Section 1.0 contains background material. Section 2.0 identifies the data sources for the New England Nutrient Database for Rivers and Streams. The structure and framework of the Database are described in Section 3.0, as is the quality assurance/quality control (QA/QC) aspects. Section 4.0 contains the Development Strategy used to develop and “refine” the initial database into a more focused and useable set of waterbodies and parameters and describes the data gaps analysis. Section 5.0 provides initial Summary Statistics on the waterbodies and major parameters of interest. Section 6.0 provides application of database to various potential classification and approaches for development of nutrient criteria. Section 7.0 looks at outstanding issues with the development of nutrient criteria for rivers and streams and a Summary is presented in Section 8.0.

Figure 1-1 Creation of Nutrient Database to Support Nutrient Criteria Development



2.0 SOURCES OF DATA

2.1 Data Sources

The primary goal of the project is to collect and analyze good quality data to help establish the basis and justification for regional nutrient criteria. To provide for this good quality database, nutrient data, trophic status response indicators, ancillary water quality parameters, flow, and watershed information on waterbodies in New England were acquired from a variety of qualified sources including state and Federal agencies, Tribal sources, academic institutions, watershed groups, and other sources. A list of the databases that were primary sources of data and the respective contact person are listed in Table 2-1. The data requested were for electronic databases of a fairly recent vintage (i.e., 1990 or later). A compilation of the databases used, with a brief description of the dataset, its parameters, and contact person is contained in Appendix A.

2.2 Spatial Data

The Geographical Information System (GIS) software ArcView (ESRI) was used to support some of the data mining and analysis tasks. The GIS interface was used to distinguish waterbodies from those with similar names, and to identify the correct ecoregion for each waterbody. Specific websites that were used are noted below. The spatial coverages were obtained electronically – from internet sites in most cases – and used to complete the database.

The EPA Non-Aggregated Ecoregions for United States were obtained from the EPA ftp site (ftp://cerberus.epa.orst.edu). The file covers the entire United States and shows five ecoregions within New England. Delineations of the 8-digit Hydrologic Units Codes (HUCs) were obtained from the USGS web site (www.usgs.gov). Counties and towns political boundaries were obtained from the ESRI Data CD of New England.

Additional spatial data sets were also obtained from each of the state's official GIS data web sites to help support technical analyses. These state-specific GIS sites are:

- Connecticut: http://magic.lib.uconn.edu/
- Maine: http://apollo.ogis.state.me.us/
- Massachusetts: http://www.magnet.state.ma.us/mgis/
- New Hampshire: http://nhresnet.sr.unh.edu/granit/overview.htm
- Rhode Island: http://www.edc.uri.edu/rigis/
- Vermont: http://geo-vt.uvm.edu/

Land use attributes for sampling station watersheds were derived from the USGS Spatially Referenced Regressions On Watershed Attributes (SPARROW) model (Smith et al., 1997). The SPARROW model is described on the web site (http://water.usgs.gov/nawqa/sparrow/). The specific land use categories were further combined into general land use classifications as urban, forest, agricultural, and water/wetland land uses.

2.3 Reference and Impacted Streams and Biocriteria Data

The States were submitted a list of the waterbodies listed for their state under the New England R/S Nutrient Database and requested to provide indication of reference or locations. Positive responses were received from Connecticut, New Hampshire, and Vermont in the form of either quantitative biocriteria scores or narrative text indicating whether the water quality station was fully, partially or non-supportive of aquatic life. In most case, waterbodies were identified such as reference stations or as impacted waste-receiving streams, or non-assigned waters. This information was used for the initial selection of reference locations further described in Sections 5.3 and 6.2. For determination of impacted streams, the major information source was the individual State's most current 303(d) list available at the State water quality agency website.

Table 2-1 Organizational Contacts for Water Body and Nutrient Data

Organization	Contact	Dataset Description	Example of Parameters	Years
Connecticut				
CTDEP	Michael Beauchene Mike.beauchene@po.state.ct.us	Electronic data for rivers and streams	Organic N, NH3, NO2, NO3, TKN, TP	1997-2002
Maine				
ME-DEP	Paul Mitnik Paul.Mitnik@maine.gov	River and streams data	CHL *a*, pH, SDT, TKN, NH3, TP	1980-1998
Penobscot Indian Nation	Dan Kusnierz Pinwater@mint.net	Rivers data for the Penobscot Watershed, ME	CHL *a*, SDT, Temperature, TN, TP, TSS	1994-1997
Massachusetts				
MADEP	Tom Dallaire, Russell Isaac thomas.dallaire-eqe@state.ma.us Russell.Isaac@state.ma.us	River and stream data	ALK, DO, NH3, pH, Temperature, TKN, TP	1994-1998
UMASS Acid Rain Monitoring Project	Paul Godfrey godfrey@tei.umass.edu	Data for streams located in 13 different counties in MA	ALK, NO3, pH, TP	1983-1993
New Hampshire				
MODERNIZED STORET	Deb Soule Dsoule@des.state.nh.us Gregg Comstock Gcomstock@des.state.nh.us	Data for NH rivers and streams, contributed by NHDES.	CHL *a*, DO, NH3, SDT, TKN, TP	1990-2000
Vermont				
VTDEC	Eric Smeltzer eric.smeltzer@anmail.state.vt.us Doug Burnham	River and stream data	CHL *a*, phytoplankton, SDT, TN, TP	1990-2001
Rhode Island				
RIDEM	Connie Carey ccarey@dem.state.ri.us	River and stream data	DO, pH, Temperature, TN, TP, TSS	1991-2001
URI Watershed Watch Program	Linda Green Lgreen@uri.edu	River and stream data	CHL *a*, SDT, TN, TP	1995-1998
RIUSGS		Data on 4 RI rivers	DO, NH3, pH, temperature, TP	1989-1997
National Level				
STORET	Dan Parker Parker.dan@epamail.epa.gov	Stations in CT (70), MA (48), ME (12), RI (5), VT (22)	DO, SDT, Temperature, TP, TKN	1990-1997
EMAP	Stephen Hale Hale.Stephen@epamail.epa.gov	Stations in CT (1), MA (2), NH (1)	CHL *a*, SDT, TN, TP, Turbidity	1991-1994

3.0 DATABASE DESCRIPTION

The New England Nutrient Database was assembled from the data acquired from the data sources identified in Section 2.0. A description of the structure of the Database is given in Section 3.1. The main data tables are described in Section 3.2. The Quality Assurance / Quality Control measures taken in reviewing, verifying, and accepting the data are described in Section 3.3.

3.1 Database Structure

A relational database was designed and implemented in Microsoft Access97 to accumulate and manipulate the extensive amount of available electronic data. This database was adapted from an existing one provided by national U.S. EPA headquarters. It has been revised and adapted to meet the needs of this project. A relational database is a collection of data items organized as a set of formally-described tables that are linked into a logical structure. The New England Nutrient Database includes tables and queries. Tables are collections of data on a given topic, and their content and the relationships defined among the different tables form the core of the database applications. Queries present a certain view of the data contained in tables, or may be used to update, append or edit data records.

The data were organized into four main tables each representing one level of information, as shown in Figure 3-1. These tables contain information on the waterbody, station, sample, and water quality data, respectively. The tables are linked to each other through one-to-many relationships with enforced referential integrity. Referential integrity means that records in each main (or so-called “parent”) table are unique but may be associated with one or more derivative (or so-called “child”) records in other tables. As such, a given waterbody may have one or more stations, each measured at one or more points in time, and each water sample may have been analyzed for one or more parameters. This staged structure ensures that each data item appears once only in the database, eliminating duplicate information and minimizing possible errors.

Within a given table, uniqueness of information is enforced through a single unique key field or unique combinations of fields. In the waterbody and station tables, a single field contains the identification of a unique record, the waterbody_ID and station_ID fields, respectively. In the case of the sample table, a unique record is one with a unique combination of Station ID, Sampling Date, Sampling Time, Sample Depth, and Sample Type. In table WQData, a unique record is one with a unique combination of Sample ID, Parameter, and Reported Value.

In addition to the four main data tables, a number of lookup tables have been developed to provide the possible range of values or categories for some of the fields. The relationships between the main data tables and lookup tables are indicated in Table 3-1.

3.2 Main Data Tables

As noted above, the data is contained in four main data tables representing different levels of information. A listing of the fields found in each of the main data tables is provided in Appendix B. This section discusses some of the implications of the logical organization of the data.

The table Waterbody contains information that is specific to a given waterbody. A waterbody is defined as a body of water with finite, well-defined extents and relatively homogeneous physical characteristics. A waterbody can be an entire river or stream, or a specified segment or reach along a given river or stream. The subdivision of rivers and streams into segments with relatively homogeneous characteristics is complicated, as depth, flow, and other physical characteristics are expected to change with the distance from the headwaters.

The tables Waterbody and Station contain information at two different levels of spatial extent. The table Waterbody contains overall characteristics of the waterbody while the table Station refers to a specific location on that waterbody. For example, a waterbody may have stations located in different ecoregions.

3.3 Quality Assurance and Quality Control Issues

An important part of the project was Quality Assurance / Quality Control ("QA/QC"). The following section addresses important QA/QC issues for the Database.

3.3.1 Data Import and Database Structure

The majority of the data were obtained electronically from qualified sources in the form of databases or spreadsheets. In most cases, the format of the data needed only to be manipulated slightly to make it compatible for importing into the Nutrients Database. As such, data entry errors were assumed to be limited to those that could have taken place in the original data source.

The database enforces referential integrity of the information. For example, records can only refer to existing "parent" records (e.g., sample at existing stations). In many cases, unique identifiers were defined that prevent the duplication of information such as lake name, station ID, etc. The referential integrity check also prevents the importation of unassociated or so-called "orphan") data (i.e., data without associated sample, station, or waterbody). The use of lookup tables to provide a limited choice of valid values for some of the fields in the main tables also ensures minimal error in the content of the database. This ensures consistency of values and codes across data sources. For example, water quality parameters are limited to values listed in the Parameters lookup table.

3.3.2 Duplication of Data Among Data Sources

Because of the large number of data sources utilized, and the realization that some waterbodies potentially had measurements reported by two or more different agencies, the water quality measurements present in the draft Database were scanned for duplicates. This verification was performed by comparing the combination of information relating to waterbody, sampling date, sample depth, parameter and value reported. In cases where more than one unique such "combination" was found for different data sources (e.g., between STORET records and a State Agency electronic file), the duplicate STORET record was flagged as non-useable, and not included in subsequent data analyses. Duplicates within a single data source were assumed to be legitimate and were identified as "DUP" in the sample type field.

3.3.3 Additional Verifications

As noted in Section 3.1, no attempt was made to verify the electronic data submitted by the agencies. However, data for selected trophic parameters within the refined Database (described in Section 4.0) were compared with a likely range of values (based on best professional judgment) to insure that the reported values were within the range of "reasonable" values. Reported values for total phosphorus (TP), total nitrogen (TN), and chlorophyll *a* (Chl *a*) were compared to the reasonable range (Table 3-2). Reported values that were outside of the range were further investigated and verified against the original source of the data. Negative and null concentrations were also searched for and investigated. When data were outside the expected range and there was some potential explanatory factor readily available (negative values, unit errors, etc), the data were removed from the database. On the other hand, some reported values were outside of the range, but there was no reason to question the accuracy of the data. In these cases, the values were retained in the Database.

Many data contributors had initially estimated latitudes and longitudes of sampling stations from USGS quadrangles or road atlases. Since the Global Positioning System (GPS) has become widely available in the interim, agencies were requested to provide updated station coordinates for stations lacking coordinates or for stations with potentially inaccurate coordinates as identified with GIS and SPARROW.

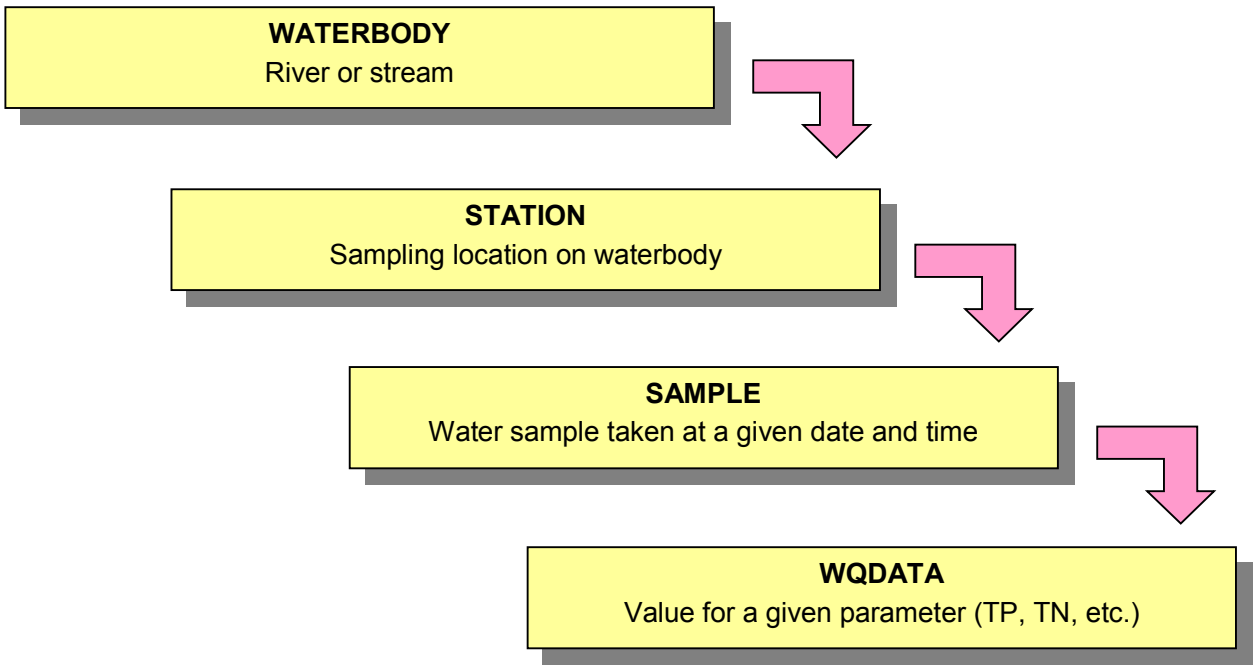
Table 3-1 Relationships Between Main Data Tables and Lookup Tables

Lookup Table	Main Table	Field	Source for Link Field
LTBL_AnalysisMethod	WQData	Analysis Method	Code for analysis method used.
LTBL_EPAEcoregion	Waterbody	EPA Ecoregion	Name of non-aggregated ecoregions for New England .
LTBL_Parameters	WQData	Parameter	Code for chemical/biological/physical parameter measured
LTBL_Qualifier	WQData	Reported_Qualifier	Remark on value reported. Unless specified, codes are same as used in STORET.
LTBL_Sample_Type	Sample	Sample Type	Type of sample collected (target, duplicate, etc.)
LTBL_Sampling_Conditions	Sample	Sampling Conditions	Conditions at time of sampling (dry, wet, unknown)
LTBL_Sampling_Method	Sample	Sampling Method	Sampling method used (grab, hose, composite, etc.)
LTBL_State	Waterbody Station	State	Two-letter postal abbreviation.
LTBL_Units	WQData	Unit of Measure	Abbreviation of measurement units
LTBL_WaterbodyType	Waterbody	Waterbody Type	Code for waterbody type (P, R, S, M, O)

Table 3-2 "Reasonable" Range of Values Expected for Trophic Parameters

Trophic Parameter	Minimum Value	Maximum Value
Chl *a* (ug/L)	0	250
TN (ug/L)	0	5,000
TP (ug/L)	0	5,000

Figure 3-1 Database Main Data Tables Structure



4.0 DEVELOPMENT OF NUTRIENT DATABASE

This section describes the initial draft Database and its contents (Section 4.1). Due to the size of the initial draft database and the inclusion of many water quality records of lesser importance to the development of regional nutrient criteria, a subsequent "refined" New England Nutrient Database for Rivers and Streams ("refined Database") was developed. Section 4.2 describes the strategy used to develop the refined Database and Section 4.3 provides a summary of its contents. Section 4.4 discusses the sequence for processing of nutrient data for calculation of a representative value for an individual waterbody and/or ecoregion.

4.1 Initial Database Waterbody and Parameter Inventory

Historical water quality and ancillary data were collected from a multitude of sources that included federal and state agencies, volunteer groups and a Native American Nation. The data sources are previously discussed in Section 2.0. No attempt was made to filter data during the initial data collection period. Some of the features of this so-called "initial" Database are discussed below.

4.1.1 Distribution of Data Sources

The distribution of the water quality measurements by source of data is presented in Figure 4-1. The major portion of the data came from twelve sources: state and federal agencies, academic institutions, and a Native American Nation. It should be noted that the distribution shown represents all of the water quality records in the initial Database. It is quite different from the distribution in the refined Database, which consists solely of data from water quality stations where one or more of the key trophic indicators (i.e., Chl *a*, Secchi disk transparency (SDT), TN, and TP) was measured.

4.1.2 Time Period and Seasons Covered

The initial Database contains data from June 1980 to August 2002, although the vast majority of data were collected from 1990 to 2001. The temporal distribution of the data for the selected trophic parameters is presented in Figure 4-2. This graphic presents the number of records available for each year for the selected trophic parameters. As indicated on Figure 4-2, the period 1990-91 provided the largest contribution of nutrient data, but significant contributions where made to the database during all periods of interest, without one period unduly over-represented.

A further breakdown of the data by season is presented in Figures 4-3 and 4-4 for the key trophic parameters TP and TN, respectively. It can be seen that TP was typically sampled in the spring (to capture spring runoff events) and in summer, with minimum sampling in winter. For TN, the summer season predominates among data records. The seasonal distributions of data were further evaluated in the calculation of representative parameter values (see Section 4.4).

4.1.3 Water Quality Measurements

The initial Database contained over 2,150 rivers and streams and over 172,000 water quality data records. However, because of the diverse goals of the various monitoring programs that provided the information (e.g., Acid Rain Monitoring (ARM) Program), a large portion of the data reported were for parameters that are not necessarily directly related to nutrients, such as alkalinity, temperature, and pH. Whereas these parameters may be potentially useful in allowing secondary classification of the waterbodies, they do not provide information directly applicable to the trophic status of the waterbody. Conversely, some of the nutrient data were not appropriate for application to surface waterbodies (e.g., groundwater nitrate records).

Despite these limitations, the identified critical trophic parameters of interest are reasonably well represented by records within the initial Database. This includes about 11,370 TP records, 3,880 TN records, and 1,490 Chl *a* records. The least-represented trophic parameter was SDT, with fewer than 590 records; which is not surprising since this parameter is not typically measured in streams and rivers.

4.1.4 Distribution of Waterbodies

The distribution by state of the rivers and streams contained in the initial Database is presented in Table 4-1. Massachusetts data sources provided the largest fraction of the sampled waterbodies in the initial Database. However, many of these waterbodies were sampled as part of the ARM program, were typically not sampled for nutrients, and therefore had little utility for purposes of this analysis.

4.2 Development of a Refined Database

At the end of the primary data collection period, the initial Database contained a large number of waterbodies (>2,150) and water quality records (>172,000). While this amount of data is impressive, much of the data were not directly applicable to the issue of developing regional nutrient criteria; although, as noted above, some of the data may be useful for further correlation with and/or categorization of waterbodies. In addition, there were pragmatic considerations regarding the availability of ancillary information for the selected waterbodies. For example, it was necessary to identify the spatial coordinates (i.e., latitude and longitude) for each waterbody sampling station to assign watershed and ecoregional status. Therefore, it was considered prudent to first reduce the size of the database to those waterbodies and qualified data necessary for further analyses and investigations to support nutrient criteria development.

Some of the data were discarded through elimination of data with apparent transcription errors or unrealistically large concentrations (see Section 3.3). This results in an intermediate database, which was termed the “qualified” database since the data had gone through the QA/QC process. However,

this database did not significantly reduce the amount of data nor did it deal with the problem of water quality stations and samples for non-trophic parameters.

Accordingly, a decision was made to produce a second, smaller and more focused database. We have used the term "refined" Database to refer to this effort since it represents a distillation of the information in the initial Database. Since the purpose of the project is to provide a database for further analyses and investigations to support regional nutrient criteria, the refined Database contains only those rivers and streams for which information is available for the relevant trophic parameters. The purpose and strategy for development of a refined Database was discussed and consensus reached with the Commission and U.S. EPA Regional Nutrient Coordinator in meetings during summer 1999. This approach was presented to the RTAG at the September 30, 1999 meeting and is consistent with the overall goals of the program. While the approach was originally designed for application to lakes and ponds, it is considered a sound and appropriate approach for rivers and streams as well.

Briefly, the strategy acknowledges that not all waterbodies were sampled for the key trophic parameters (Chl *a*, SDT, TN and TP). In fact, fewer than 2% of the waterbodies in the initial Database had information for three of these four parameters. Comparison of the number and location of these waterbodies indicated that this clearly was an insufficient number to meet the target ranges for waterbodies discussed in the Technical Memorandum (ENSR, 1999), as well as provide the ecoregional coverage desired. Therefore, the next step was to significantly relax the requirements for the representation of trophic parameters.

Based on the uneven availability of data, the decision was made to include those waterbodies that had data for Chl *a*, SDT, TN or TP (see Figure 4-5). Adoption of this strategy greatly increased the number of available waterbodies, and allowed inclusion of most of the key trophic parameter data that was in the initial Database (Table 4-2). The refined Database is composed of 569 rivers and streams. The distribution of rivers and streams across the states is shown in Table 4-3. Potential limitations to the development of the nutrient criteria from looking at this number of waterbodies will be discussed in Section 7 of this report.

The waterbodies represented by the totals in Table 4-3 were the basis of the further investigation. The spatial coordinates of each waterbody sampling station were obtained wherever possible and used to ascertain the ecoregion classification via GIS, as well as to characterize via the SPARROW model (through cooperation of the USGS) the land use attributes of sampling station watersheds (see Section 5.1). With the help of the respective state agencies, efforts were made to review and complete as much of the descriptive information as possible for these waterbodies and their sampling stations as to their physical characteristics, location coordinates, etc., in order to provide a complete basis for evaluation.

The refined Database contains water quality data from rivers and streams from all six New England states. However the largest numbers of rivers and streams are located in Connecticut (149) and New

Hampshire (182), with variable distribution among the other states, ranging from 29 in Vermont to 92 in Massachusetts.

4.3 New England Rivers and Streams Nutrient Database

The refined Database (henceforth refer to as the New England Rivers and Streams (NE R/S) Nutrient Database) represents a valuable compendium of recent water quality data from New England waterbodies, collected from a multitude of sources that includes federal and state agencies, academic institutions volunteer groups and Native American groups. The nature and characteristics of the NE R/S Nutrient Database are discussed further below.

4.3.1 Waterbodies Represented in the NE Rivers and Streams Nutrient Database

The NE R/S Nutrient Database is comprised of nutrient and ancillary water quality data from 569 New England rivers and streams. These include both relatively well-studied as well as poorly characterized waterbodies. This disparity is reflected by the variability regarding the number of water quality sampling stations on each of these waterbodies, ranging from a single station to 47 stations (Penobscot River, ME). The vast majority of streams were characterized by data from either a single (355) or two (94) water quality sampling stations. Approximately 90% of the rivers and streams (512 waterbodies) were characterized by data from 5 or fewer stations. The distribution of the number of water quality stations per waterbody is shown on Figure 4-6. Closer inspection of the database indicated that waterbodies with greater than 10 stations are generally major rivers. However the converse is not always true, since several major rivers or segments of rivers may be represented only by a few water quality stations (e.g., two sampling locations for the Connecticut River in Connecticut).

Twenty of the waterbodies in the NE R/S Nutrient Database were rivers with water quality sampling locations in more than one state. Table 4-4 provides a listing of the interstate rivers represented by two states in the NE R/S Nutrient Database. For purposes of the analyses conducted in the DSR, the segments sampled by different states are treated in the database as separate waterbodies. Similarly, waterbodies identified as “West Branch of…”; Tributary to…” etc. were considered separate waterbodies for this stage. Potential pooling of all segments of a large river system will be evaluated in Section 6.3).

4.3.2 Watershed Characteristics of Rivers and Streams of NE R/S Nutrient Database

The rivers and streams in the NE R/S Nutrient Database range in size from headwater streams (i.e., first or second-order tributaries) to major regional rivers (e.g., Merrimack River, Connecticut River). Both the absolute size and existing land use in these watersheds have an important influence on the water quality of the waterbody draining it. It was possible to quantify the watershed areas for waterbodies using the USGS SPARROW model’s estimate of watershed size associated with a point sampling location (Moore and Hayes, 2003 pers. comm.). ENSR provided the geographical

coordinates of the appropriate water quality stations to USGS staffers (under the direction of Keith Robinson - whose cooperation and coordination is gratefully acknowledged). USGS, through the use of its watershed and land use layers in its SPARROW model, used these coordinates to provide ENSR with the estimated watershed size, estimated flow (based on a fixed watershed yield model), and watershed land uses (based on National Resource Inventory).

It should be noted that the watersheds provided by the SPARROW model are not precise measurements of the true watershed area (i.e., estimate of all land draining through a point on the waterbodies). Rather, the watershed estimates are based on the location of the stream reach that the water quality station fell on (e.g., a station may have fallen in the middle of a SPARROW reach). Since most SPARROW reaches are relatively small in length (e.g., on order of 0.3-0.5 miles long), the differences in the watershed SPARROW provided vs. the true watershed was considered minimal.

In the case of waterbodies with greater than one station, the water quality station furthest downstream was selected as representing the watershed (and its watershed land use). This assumption is most accurate for rivers and streams with 1 or 2 water quality sampling stations and least accurate for large rivers with multiple stations widely separated. Thus, the land use associated with the watershed of large rivers represents a cumulative influence upon the waterbody rather than a tightly coupled effect at a specific point.

Figures 4-7 and 4-8 provide comparison of the frequency distribution of watershed sizes in the initial and NE R/S Nutrient Databases, respectively. As can be seen in both figures, most watersheds are fewer than 25 square miles in size, with a progressive reduction in numbers with increasing watershed size. The shape of both figures is very similar in both initial and refined Database. This indicates that the sub-sample of waterbodies represented by the NE R/S database provides a representative spectrum of watershed size classes from within all available New England river and stream sampling locations. It should be noted that the spectrum of waterbodies for which sampling has been conducted is not a true statistically non-biased representation of all New England rivers and streams. As noted in Rohm et al. (2001), sampling stations are preferentially located on larger streams or those waterbodies where issues regarding ambient water quality or associated discharges warranted regular monitoring.

4.3.3 Frequency Distribution of Key Trophic Parameters

The range and distribution of data for the key trophic parameters in the NE R/S Nutrient Database was further investigated. Figures 4-9 to 4-11 show the frequency distribution of TP, TN, and Chl *a*, in rivers and streams of the NE R/S Nutrient Database. As these figures indicate, populations of trophic parameters are differentially distributed. For example, the data distribution for TP strongly indicates a bimodal distribution indicative of a potential underlying distinction among various classes of rivers and streams (Figure 4-9). This distribution is suggestive of two populations of waterbodies, presumably based on the presence of point-source wastewater loadings. This same pattern is not seen in the nitrogen and chlorophyll distribution, which are more log-normally distributed (Figures 4-10 and 4-11).

The identification of streams and rivers receiving wastewater or otherwise impacted is discussed further in Section 6.2.1).

4.4 Sequence for Nutrient Data Processing

The NE R/S Nutrient Database contains a large amount of information that has to be extracted, sorted and analyzed to answer the very specific questions for the development of nutrient criteria. One of the critical decisions in application of the database to nutrient criteria development is to determine how trophic parameter data will be "averaged" to produce a representative value from the dataset of an individual waterbodies, regardless of the number of samples obtained from that waterbody. There are several ways to produce such a representative value, with potential advantages and drawbacks to each of these methods.

U.S. EPA has provided the following protocol for statistical summarization of water quality parameters in the Ambient Water Quality Criteria Recommendation documents (U.S EPA, 2000b; 2000c; 2001). The data are sorted by season, with the seasonal indices adjusted by aggregate ecoregion. New England contains rivers and streams in Level III Aggregate Ecoregions VII, VIII, and XIV and these have slightly different seasonal indices. Therefore, the following definitions of seasonal indices were used for the Data Synthesis Report:

- Spring – months of March to May;
- Summer – months of June to August;
- Fall – months of September to November; and
- Winter – month of December to February.

To provide a single representative parameter value for a waterbody, U.S. EPA developed a median value for all parameters within a waterbody for each of the four seasons over the period of record (U.S. EPA, 2001). This method is used to prevent over-representation of an individual waterbody with a large amount of data vs. those with fewer data. The 25th percentile for "all seasons" is calculated by taking the median of the four seasonal 25th percentiles (this can be done with 3 seasons, if only those are available). This process is graphically displayed in Figure 4-12.

For calculation of the individual representative values for New England rivers and streams, ENSR followed the U.S. EPA protocol using the step-wise data transformation procedure outlined below.

1. All measurements for a water quality parameter made during a seasonal index period (e.g., September to November) for a waterbody are combined and the median value calculated. This produces a stream- and season-specific value;

2. All stream- and season-specific values for a water quality parameter for a particular ecoregion are pooled, the various statistical indices calculated (e.g. the 25th percentile). This produces an ecoregion- and season-specific value; and

3. The four ecoregion- and season-specific values are pooled (e.g., the four seasonal 25th percentiles from an ecoregion) and the median value taken. This produces an ecoregion and "all seasons" value.

This protocol was used to produce the statistical values described in the following chapters. This allowed direct comparison with ecoregion–specific values listed in the EPA nutrient criteria recommendation documents (U.S. EPA, 2000b; 2000c; 2001).

Table 4-1 Number of New England Rivers and Streams in Initial Database by State

State	Rivers and Streams
Connecticut	153
Massachusetts	1,613
Maine	46
New Hampshire	218
Rhode Island	91
Vermont	41
New England Total	**2,162**

Table 4-2 Distribution of Data in the Initial Database and Refined Database by State and Source

State	Data Source	Min. Sample Date	Max. Sample Date	Number of Data Points in Initial Database	Percent	Number of Data Points in Refined Database	Percent
CT	CTDEP, 2002	23-Apr-97	26-Aug-02	6,520	3.8%	1,101	6.3%
CT	EMAP	15-Aug-94	15-Aug-94	13	0.0%	4	0.0%
CT	STORET	08-Jan-90	21-Mar-97	12,520	7.3%	2,801	16.1%
MA	EMAP	19-Jul-91	28-Jul-93	25	0.0%	8	0.0%
MA	MA-ARM	20-Mar-83	25-Jul-93	58,999	34.3%	0	0.0%
MA	MA-DEP	15-Jun-94	22-Apr-98	10,342	6.0%	671	3.9%
MA	STORET	08-Jan-90	25-Mar-97	1,655	1.0%	386	2.2%
ME	ME-DEP Bouchard	17-Jun-80	17-Oct-98	445	0.3%	59	0.3%
ME	ME-DEP Mitnik	02-Aug-89	21-Aug-98	5,408	3.1%	919	5.3%
ME	Penobscot Indian Nation	21-Jul-94	17-Sep-97	1,383	0.8%	546	3.1%
ME	STORET	24-Jan-90	28-Aug-96	1,097	0.6%	235	1.4%
NH	EMAP	21-Jul-91	21-Jul-91	11	0.0%	0	0.0%
NH	MODERNIZED STORET, 12/2002	28-May-90	07-Dec-00	50,656	29.4%	3,629	20.9%
NY	VT-DEC Nutrients DB	14-Mar-90	10-Nov-97	5,141	3.0%	0	0.0%
NY	VTDEC, 2002	22-Oct-96	29-Aug-01	37	0.0%	0	0.0%
RI	RI-DEM	12-Mar-91	16-Sep-97	1,762	1.0%	129	0.7%
RI	RI-USGS	03-Oct-89	07-Nov-97	760	0.4%	54	0.3%
RI	RIDEM, 2002	14-Apr-98	25-Apr-01	1,556	0.9%	447	2.6%
RI	STORET	16-Jan-90	27-Mar-97	2,359	1.4%	556	3.2%
RI	URIWW	15-Apr-95	10-Dec-98	2,961	1.7%	2,961	17.1%
VT	STORET	18-Jan-90	12-Sep-95	585	0.3%	263	1.5%
VT	VT-DEC Nutrients DB	14-Mar-90	10-Nov-97	7,756	4.5%	2,492	14.4%
VT	VTDEC, 2002	24-Jul-95	02-Jul-01	101	0.1%	90	0.5%
			Totals:	**172,092**		**17,351**	

Table 4-3 Number of New England Rivers and Streams in Refined Database by State

State	Rivers and Streams
Connecticut	149
Massachusetts	92
Maine	36
New Hampshire	182
Rhode Island	86
Vermont	29
New England Total	**569**

Table 4-4 List of Interstate Rivers in Refined Database

Interstate Rivers	States
ANDROSCOGGIN RIVER	ME, NH
BLACKSTONE RIVER	MA, RI
COCHECO RIVER	ME, NH
CONNECTICUT RIVER	CT, NH
FALLS RIVER	CT, RI
FRENCH RIVER	CT, MA
GREEN RIVER	CT, RI
HOUSATONIC RIVER	CT, MA
KONKAPOT RIVER	CT, MA
MERRIMACK RIVER	MA, NH
MILLERS RIVER	MA, NH
MOOSUP RIVER	CT, RI
NASHUA RIVER	MA, NH
PAWCATUCK RIVER	CT, RI
QUINEBAUG RIVER	CT, MA
SACO RIVER	ME, NH
SALMON FALLS RIVER	ME, NH
SHUNOCK RIVER	CT, RI
TEN MILE RIVER	MA,RI
WOOD RIVER	CT, RI

Figure 4-1 Distribution of Water quality Data in the Initial NE R/S Database by Source of Data

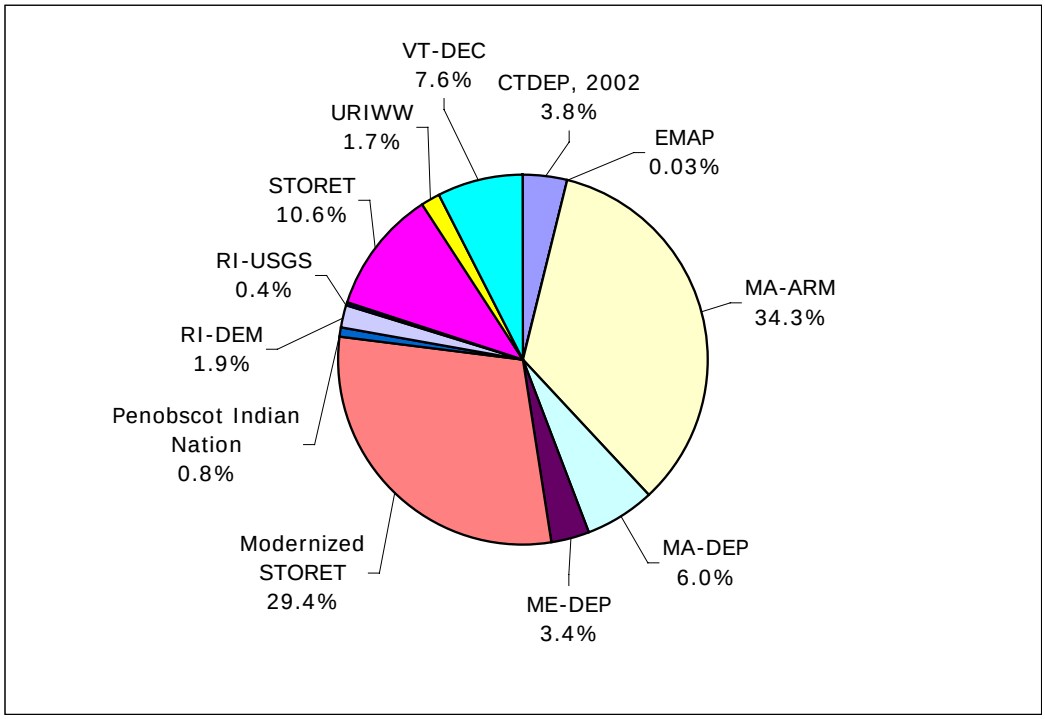
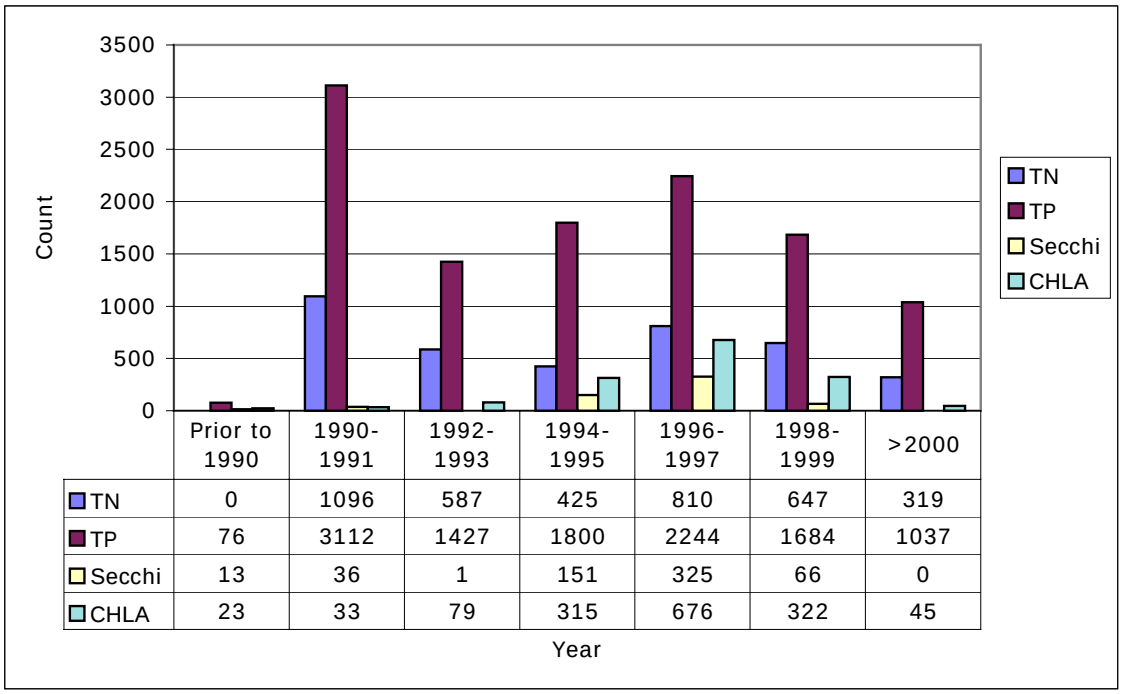


Figure 4-2 Distribution of Records in the Qualified Database by Year for Selected Parameters



	Prior to 1990	1990-1991	1992-1993	1994-1995	1996-1997	1998-1999	>2000
TN	0	1096	587	425	810	647	319
TP	76	3112	1427	1800	2244	1684	1037
Secchi	13	36	1	151	325	66	0
CHLA	23	33	79	315	676	322	45

Year

Figure 4-3 Seasonal Distribution of Total Phosphorus Records in the NE R/S Nutrient Database

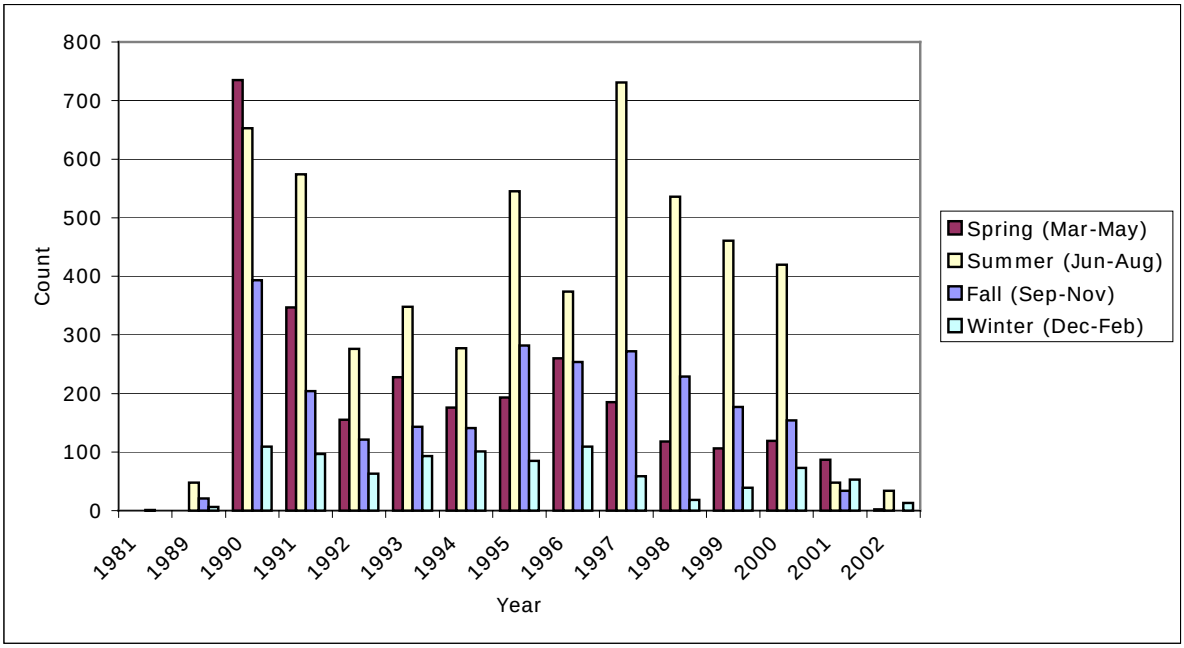


Figure 4-4 Seasonal Distribution of Total Nitrogen Records in the NE R/S Nutrient Database

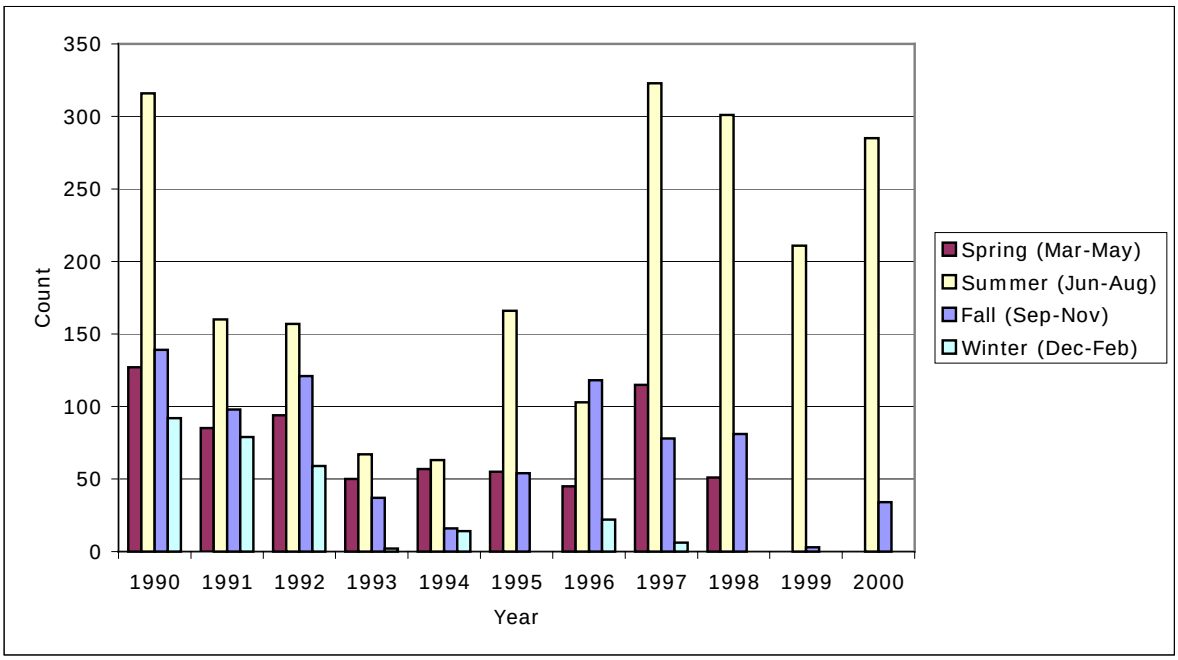


Figure 4-5 Flow Chart of Water Quality Sampling Location Selection for NE R/S Nutrient NE Nutrient Database

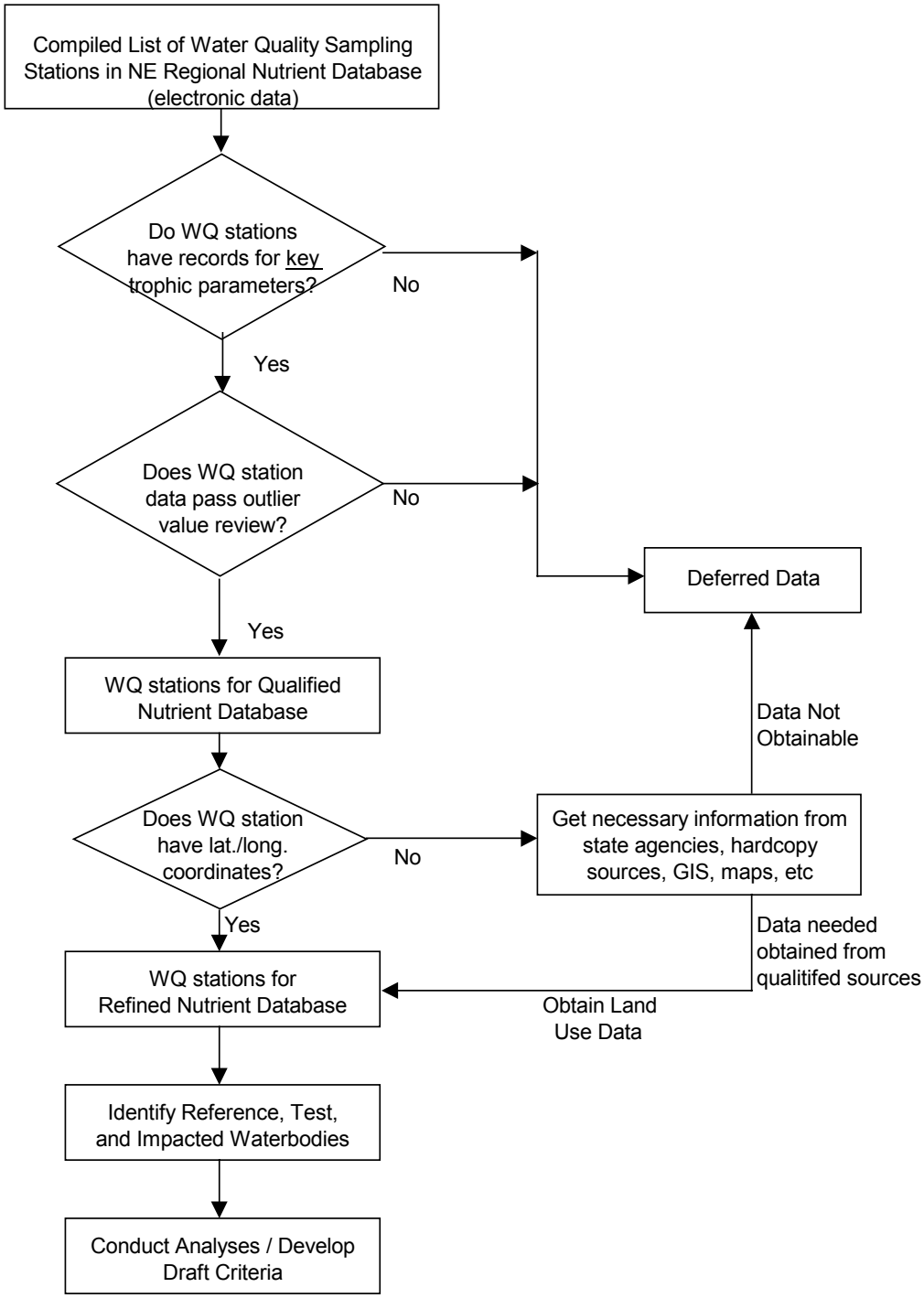


Figure 4-6 Number of Water Quality Stations per Waterbody in NE R/S Nutrient Database

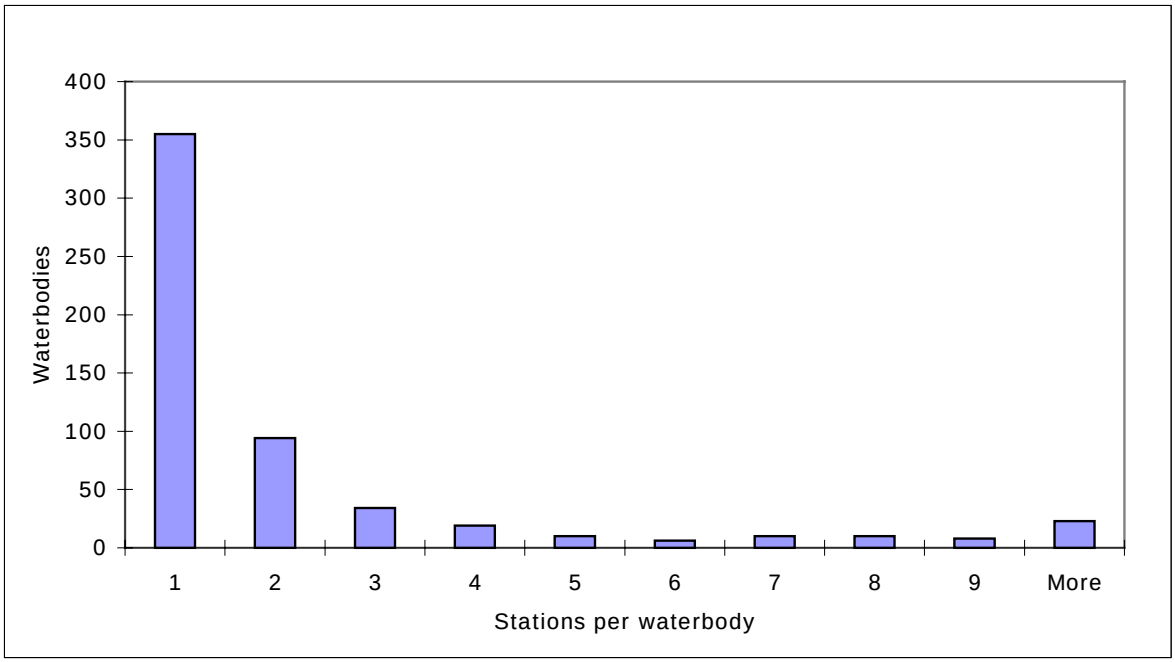


Figure 4-7 Frequency Distribution of the Average Watershed Size for All Stations in Initial Data

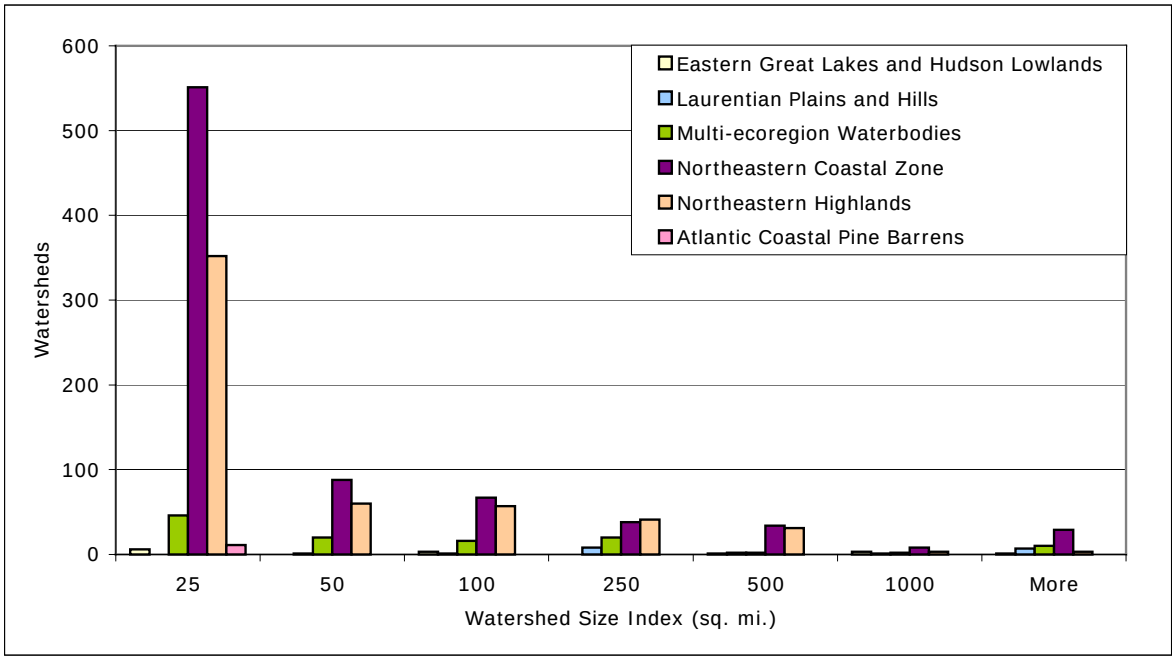


Figure 4-8 Frequency Distribution of the Average Watershed Size for NE R/S Nutrient Database

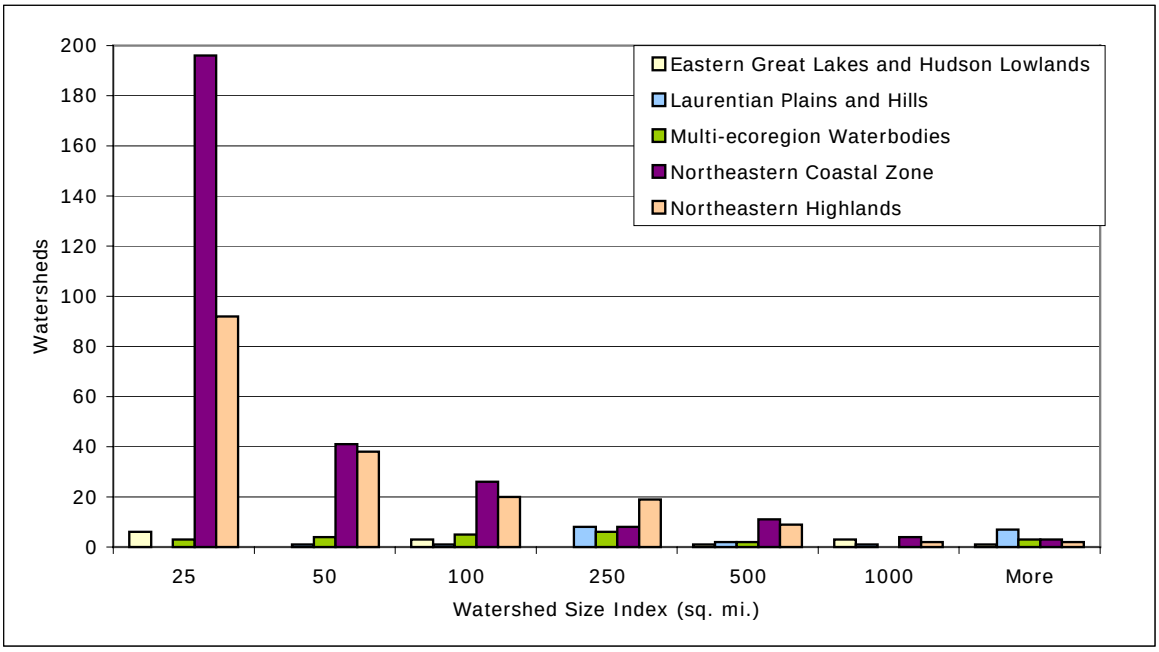


Figure 4-9 Frequency Distribution of Total Phosphorus Measurements in NE R/S Nutrient Database

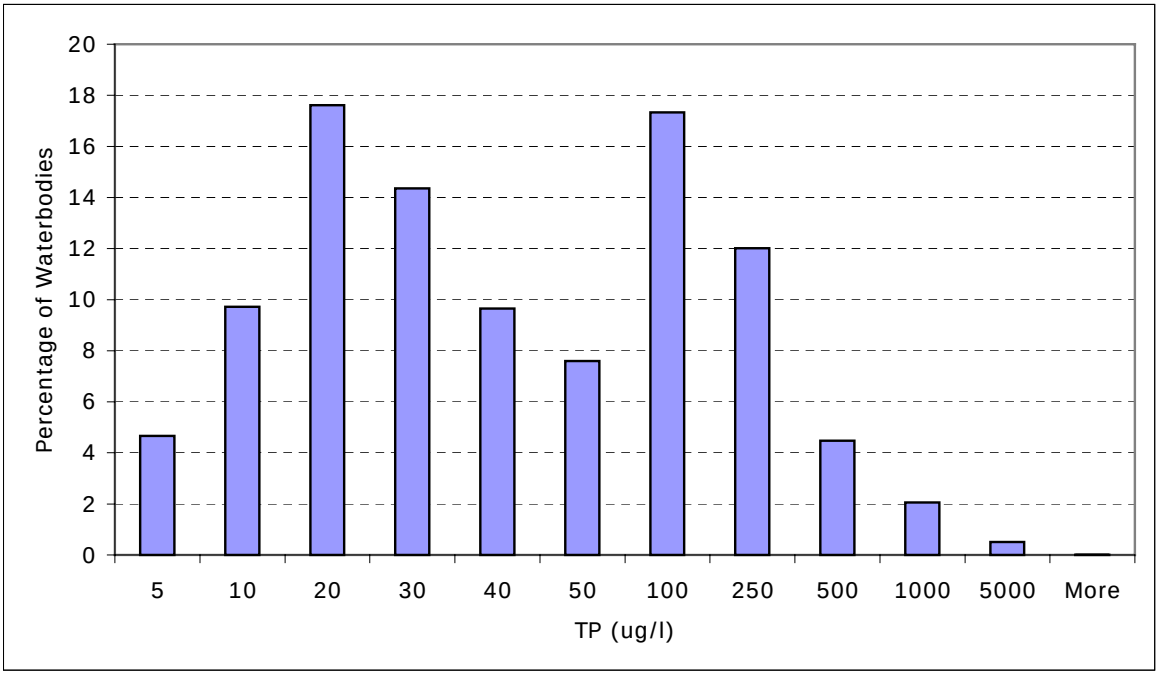


Figure 4-10 Frequency Distribution of Total Nitrogen Measurements in NE R/S Nutrient Database

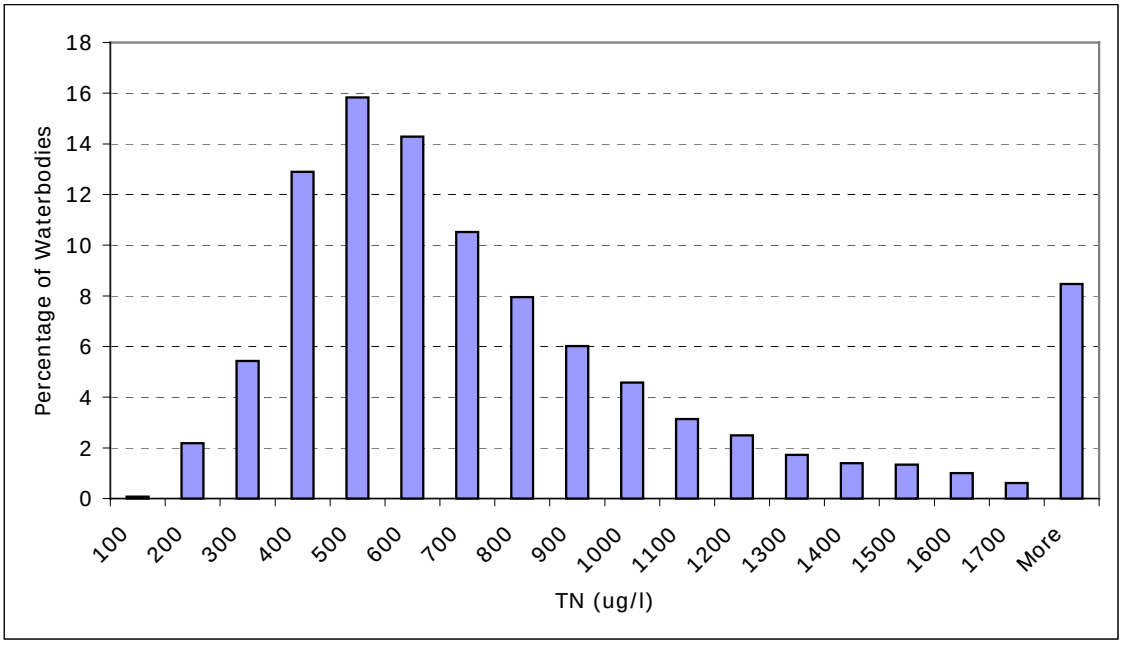


Figure 4-11 Frequency Distribution of Chlorophyll *a* Measurements in Rivers and Streams in NE R/S Nutrient Database

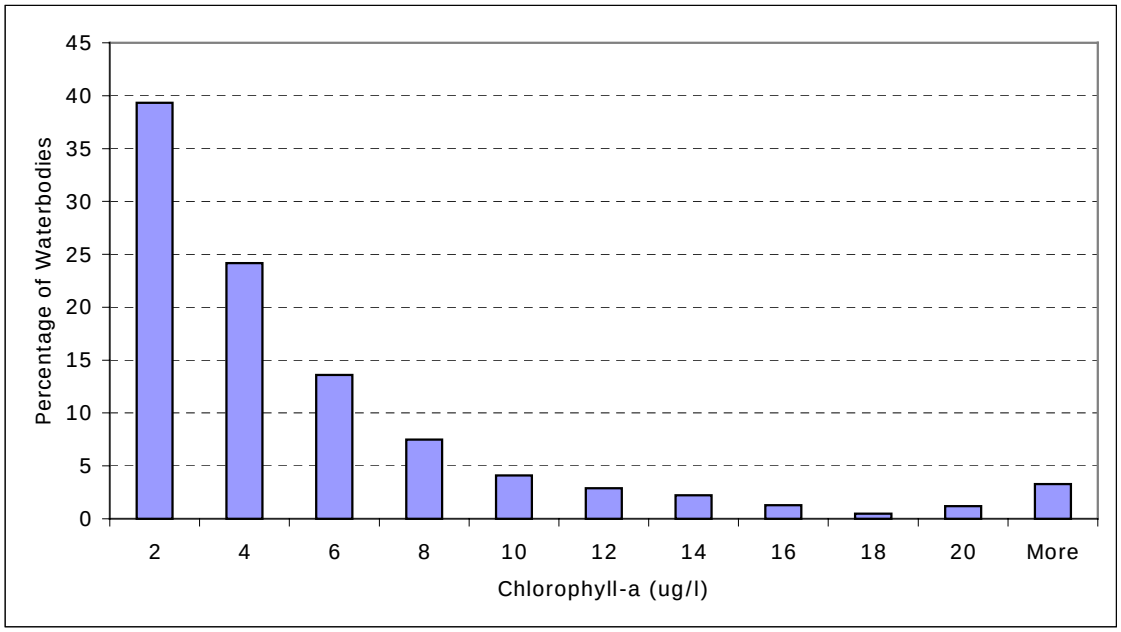
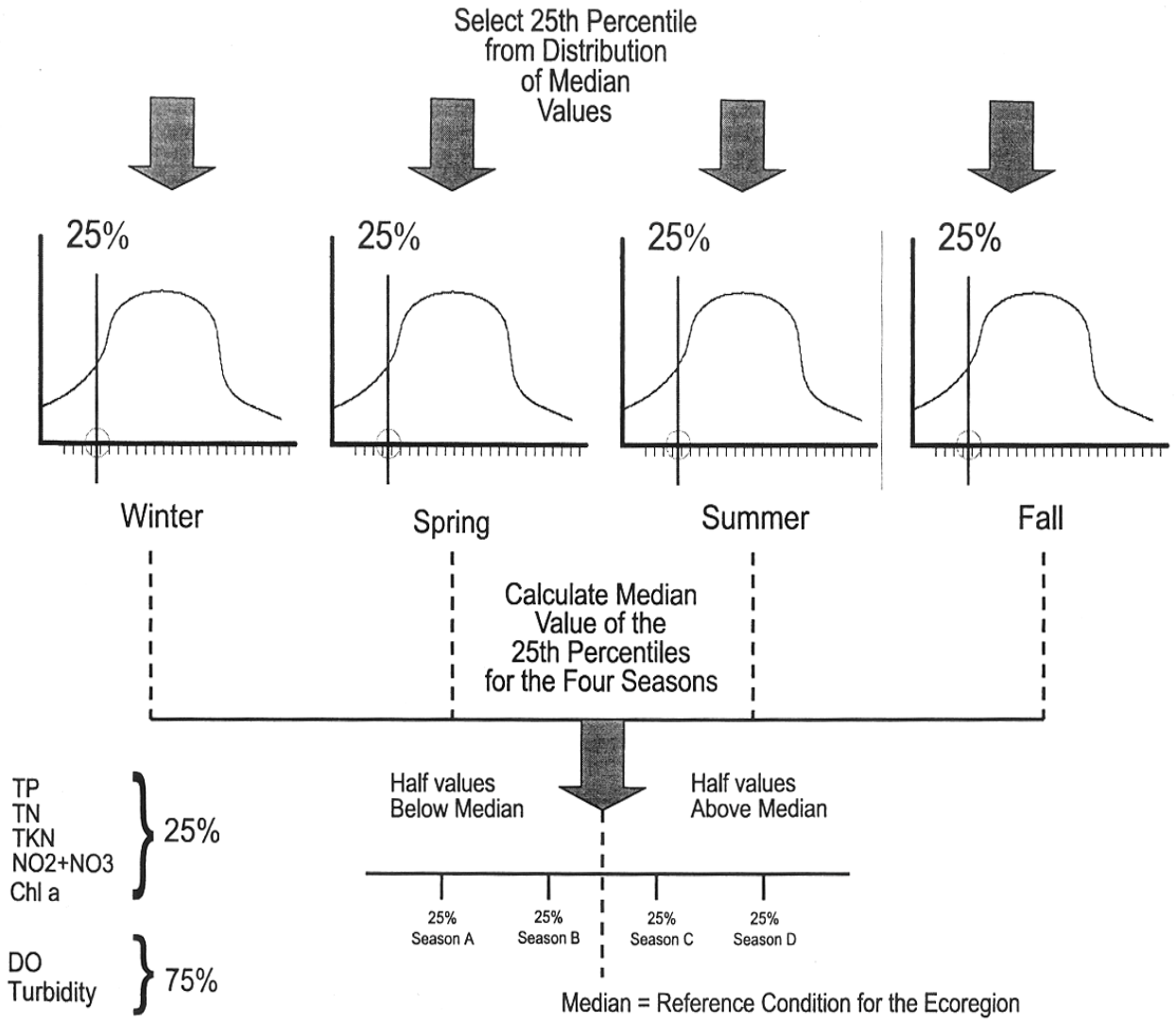


Figure 4-12 Schematic of Protocol Used for Calculation of "Four Seasons" Stream Median Value for Waterbody/Ecoregion



5.0 SUMMARY STATISTICS OF NEW ENGLAND R/S NUTRIENT DATABASE

The New England R/S Nutrient Database was used to look at the trophic parameters at a finer scale with particular attention to the four New England ecoregions (EGLHL, LPH, NEH, NCZ). Section 5.1 discusses the New England ecoregions of interest and their associated land use. Section 5.2 characterizes rivers and streams in the R/S Database. Section 5.3 examines the distribution of waterbodies and identifies potential data gaps. Section 5.4 discusses selection of reference and impacted water quality stations.

5.1 New England Ecoregions of Interest

An important facet of the development of regional nutrient criteria is the concept of ecoregion-specific criteria. Ecoregions are generally defined as relatively homogeneous areas with respect to geomorphology, climate, ecological systems and the interrelationships among organisms and their environment (Omernik, 1987; 1995). They can be defined on a range of scales from national to very regional subdivisions.

Several potential ecoregion classification levels or schemes were identified in the course of the work. These included classification Level III Aggregated and Non-Aggregated Nutrient Ecoregions proposed by Omernik, 2000), state-specific ecoregions (e.g., MA, ME), and other proposed classifications (e.g., USDA Forest Service, U.S. EPA Region I). Following review and discussion, the U.S. EPA Level III ecoregions were selected as the basis for the analysis since these were the lowest spatial level chosen for development of ambient water quality criteria recommendations (U.S. EPA, 2000b; 2000c; 2001). The U.S. EPA Level III Nutrient Ecoregions separate New England into the five distinct regions shown in Figure 5-1. These regions are the:

- Atlantic Coastal Pine Barrens (ACPB) (U.S. EPA Level III ecoregion 84);
- Eastern Great Lakes and Hudson Lowlands (EGLHL) (a small portion of the around Lake Champlain, Vermont) (U.S. EPA Level III ecoregion 83);
- Laurentian Plains and Hills (LPH) (U.S. EPA Level III ecoregion 82);
- Northeastern Coastal Zone (NECZ) (U.S. EPA Level III ecoregion 59); and
- Northeastern Highlands (NEH) (U.S. EPA Level III ecoregion 58),

The ecoregions were used to evaluate the number of applicable waterbodies in the NE R/S Nutrient database versus the target range of waterbodies identified in the Technical Memorandum (ENSR, 1999). For ecoregion determinations, the point location of the water quality sampling station was used rather than a determination of which ecoregion the majority of the watershed fell in. Due to the very limited spatial coverage of the ACPB ecoregion relative to other New England ecoregions and the

general lack of nutrient data (particularly total phosphorus), the river and streams in this ecoregion were deferred from further analysis in the NE R/S Nutrient Database. The remaining four ecoregions had sufficient waterbodies and nutrient data to warrant their inclusion in further analyses (see Section 5.4).

The four Level III ecoregions selected for further analysis have differing climates, land uses, and population densities. As a rough characterization of these difference, land uses in watersheds selected for inclusion in the New England R/S Nutrient databases were pooled and an ecoregional profile provided using land use classifications provided by USGS's SPARROW model. For simplicity of comparison, several land use categories were combined into the following general land use categories:

- Agricultural (cultivated, orchard)
- Forested (deciduous, evergreen, mixed)
- Urban (urban, suburban, barren and recreational grass (park))
- Water and wetlands (water, wetland)

The relative percentages of the area coverage of land use categories for each ecoregion are illustrated in Figure 5-2. As we can see, the LPH and NEH ecoregions are very similar in terms of the overall land use, particularly in the amount of urban land use and forested portions of the watershed. The NECZ is characterized by a higher percentage of urban land use (about 9%), while the EGLHL ecoregion differs from its other ecoregions by the higher proportion of agricultural areas (20%), particularly in the Lake Champlain watershed. These contrasts in land use suggest potential differences in water quality may be expected.

5.2 Water Quality Characteristics of Rivers and Streams of NE R/S Nutrient Database

The water quality data of the waterbodies contained in the R/S Nutrient Database were characterized. The results of this analysis are given in Table 5-1, which provides an overview of the characteristics and ranges of key trophic parameters in New England rivers and streams before data transformation (i.e., not subject to EPA's data transformation protocol - see Section 4.4). Values in Table 5-1 are presented for the four ecoregions as well as a composite "New England" value and indicate the amount of data available for each region and parameter. Comparison among ecoregions indicate large differences in mean concentration of TP (EGLHL – 97 ug/L; LPH – 29 ug/L; NECZ – 110 ug/L; NEH – 38 ug/L), and TN (EGLHL – 695 ug/L; LPH – 431 ug/L; NECZ – 1,107 ug/L; NEH – 570 ug/L). Differences in Chl *a* values were much less pronounced (EGLHL – 4.4 ug/L; LPH – 3.4 ug/L; NECZ – 22.8 ug/L; NEH – 2.8 ug/L).

However, it should be noted that the values in Table 5-1 are based on the pooled data for all the water quality stations in an ecoregion. This data is therefore biased by values from the larger rivers (which

typically have WWTP discharges) that are more regularly monitored and which, subsequently, are represented by a large number of samples. To provide a more representative value for an ecoregion, the data were transformed using the EPA-recommended protocol (see Figure 4-12) to provide for seasonal-specific and "all seasons" values for each water quality location. Table 5-2 shows the various season-specific values for 25th percentile and a four season value that can be used for a representative annual value. The values for the 25th, 50th, and 75th percentiles are shown in Table 5-2 that provides ecoregion-specific values for each season and all seasons. The range of values in Table 5-2 indicates how the season affects the range or availability (e.g., lack of Chl *a* or SDT values in winter). For some ecoregions, the seasons do not seem to significantly affect the parameters (e.g., TP in NECZ or NEH), while others are highly variable (e.g, TP for EGLHL or LPH). It is likely that some of this variability is due to the fewer water quality stations among ecoregions.

The distribution of the four season medians for TP, TN, and Chl *a* for individual rivers and streams sorted by the various ecoregions are displayed in Figures 5-3 through 5-5, respectively. In Figure 5-3, the EGLHL and NECZ ecoregions exhibit a higher TP concentration than do the LPH and NEH, which are very similar in both the peak and shapes of their distribution curves. The distributions for TN (Figure 5-4) also indicate low values for the LPH and NEH with higher concentrations in the EGLHL and particularly for the NECZ, which has many high TN concentrations. The Chl *a* distribution (Figure 5-5) shows a high chlorophyll distribution for the NECZ, with the other ecoregions somewhat clumped together.

To more clearly illustrate the distribution of TP and TN among the ecoregions, the statistical parameters are graphically shown in so-called "box and whiskers" plots in Figures 5-6 and 5-7. This shows that while there is great overlap in the range of individual values the individual ecoregions show significant differences. The basis for these differences was explored further in Section 6.0.

5.3 Data Gaps

The overall objective of the Nutrient Data Project is to provide a sufficient database to support ecoregional nutrient criteria development in New England. A data gaps analysis was conducted to identify potential data gaps with regard to numbers and spatial distribution of the waterbodies in the NE R/S Nutrient Database. However, it should be recalled that the NE R/S Nutrient Database is not intended to be a comprehensive compilation of waterbodies in New England but, rather, a collection of data that provide good representation of the expected range of trophic state indicators for similar waterbodies in an ecoregion. The following sections describe this process.

5.3.1 Establishment of Target Ranges for Waterbodies

A strategy for identifying the target number of waterbodies was originally developed as part of the Technical Memorandum (ENSR, 1999). Based on estimated numbers of waterbodies in New England (Peterson et al. 1998), a set of target goals were established to get a reasonable sub-sample of the

population. For lakes, this reasonable sub-sample of this estimated test population was based on the EMAP estimates. However, the number of rivers and streams in New England and the number of potential sample reaches was not estimated by EMAP. In lieu of any confirmatory data, ENSR proposed an arbitrary target goal of 100 reaches, with a range of 50-150, and 10% reference waterbodies (ENSR, 1999). As the availability of nutrient data for rivers and streams was found to be significantly fewer than for lakes and ponds, it became clear that the lower end of the range (50 rivers) was a more realistic goal.

5.3.2 Comparison of Waterbodies in NE R/S Nutrient Database with Targets

The first step in the comparison of waterbodies in the NE R/S Nutrient Database with targets was to establish the number of rivers and streams found within the relevant ecoregions. The coordinates of the water quality sampling locations were obtained from the database or through follow-up and confirmation with state contacts. Each water quality sampling station was then assigned to the U.S. EPA ecoregion corresponding to its coordinates.

Figure 5-8 shows the distribution of the river and stream sampling locations by ecoregion from the NE R/S Nutrient Database assembled from available electronic data files. As can be noted on that figure, two ecoregions are very well represented, specifically the NECZ and NEH ecoregions. There were fewer than optimal representations of rivers and streams located in the LPH or EGLHL. As noted earlier, no measurements of TP or TN data were reported in rivers and streams for the ACPB ecoregion and this ecoregion was deferred from further discussion. The number of rivers and streams located in each of the four New England ecoregions of interest is given in Table 5-4.

The number of river and streams in the NCZ and NEH ecoregions exceeded the minimum target number of 50 waterbodies established in ENSR's proposed strategy (ENSR, 1999) while those for EGLHL and LPH did not meet these goals. Reference waterbodies were identified by two of the states (CT, VT), based on biocriteria (see Section 2.3). Only the NECZ met the criteria for reference streams. Given the more remote spatial locations of some stations shown on Figure 5-8, it was assumed that reference or non-impacted waters are represented within the NE R/S Nutrient Database. Determination of reference waterbodies/stations will be further analyzed in Section 6.2. For the EGLHL, the amount of waterbodies is non-optimal, but appears to be an adequate spatial representation since this is the smallest of the New England ecoregions considered for the Data Synthesis Report. The fewer than optimal number in the LPH appears to be due to the reliance of data from only a few larger rivers in the ecoregion, which may be consistent with the patterns of population distribution and/or regulatory concern. The smaller tributaries and headwater streams in the LPH are perhaps underrepresented due to the fact that they are not currently impacted by discharges or watershed non-point sources, and monitoring is not required.

Figures 5-9 though Figure 5-14 indicates the wide disparity in the distribution of water quality sampling for nutrients in rivers and streams among the New England States. Examination of the distributions of

water quality sampling station in the various states indicate that streams and rivers in Connecticut (Figure 5-9) and New Hampshire (Figure 5-12) are well sampled with good spatial coverage. In Massachusetts (Figure 5-11) and Rhode Island (Figure 5-13), there is a moderate density of stations with diverse locations. For Maine (Figure 5-10) and Vermont (Figure 5-14), there are fewer stations and they are distributed very non-uniformly. For example, most of the Vermont water quality sampling stations are located in the Lake Champlain Valley in EGLHL ecoregion with very sparse coverage in the NEH ecoregion. Similarly, water quality stations in Maine are preferentially located in the LPH and some in NECZ.

Table 5-1 Statistical Indicators of Trophic Parameters in the R/S Nutrient Database (Raw Data)

Ecoregion	Parameter	Unit	Min	Max	Avg	Count
Eastern Great Lakes and Hudson Lowlands	CHLA	ug/l	0.1	76	4.4	164
	TN	ug/l	220	3240	695	520
	TP	ug/l	7.0	2470	97	1,898
Laurentian Plains and Hills	CHLA	ug/l	0.5	14	3.4	211
	SECCHI	m	1.2	5.2	2.9	120
	TN	ug/l	185	880	431	37
	TP	ug/l	5.0	390	29	288
Northeastern Coastal Zone	CHLA	ug/l	2.8	174	23	92
	SECCHI	m	0.9	3.0	1.5	17
	TN	ug/l	100	6,680	1,107	1,625
	TP	ug/l	0.0	3,900	110	5,712
Northeastern Highlands	CHLA	ug/l	1.3	5.3	2.8	18
	SECCHI	m	0.5	3.0	1.5	20
	TN	ug/l	95	3,390	570	783
	TP	ug/l	1.0	1,400	38	2,108
Composite New England	CHLA	ug/l	0.1	174	7.4	485
	SECCHI	m	0.5	5.2	2.6	157
	TN	ug/l	95	6,680	885	2,965
	TP	ug/l	0	3,900	90	10,006

Table 5-2 Seasonal Patterns of Trophic Parameter Concentrations in the R/S Nutrient Database

Ecoregion	Parameter	Spring	Summer	Fall	Winter	Median of Four Seasonal 25th Percentiles
Eastern Great Lakes and Hudson Lowlands	CHLA	2.1	2.7	1.5	NA	1.6
	TN	558	405	526	744	470
	TP	53	29	34	84	31
Laurentian Plains and Hills	CHLA	NA	1.6	3.3	NA	1.7
	SECCHI	NA	2.2	NA	NA	2.5
	TN	310	340	375	295	330
	TP	5.0	13	28	30	14
Northeastern Coastal Zone	CHLA	NA	6.4	NA	NA	4.9
	SECCHI	1.1	1.0	NA	NA	1.1
	TN	538	520	533	544	560
	TP	17	20	18	20	20
Northeastern Highlands	CHLA	NA	1.3	2.1	NA	2.2
	SECCHI	0.9	1.3	NA	NA	1.2
	TN	373	348	244	181	360
	TP	10	9.0	10	10	10
Composite New England	CHLA	2.1	1.7	1.5	NA	1.9
	SECCHI	1.2	1.2	NA	NA	2.0
	TN	454	380	500	506	460
	TP	15	13	15	20	20
NA - No data available.						

Table 5-3 Four-Season Medians Based on 25th, 50th and 75th Percentile Values for Waterbodies in the R/S Nutrient Database

Ecoregion	Parameter	Unit	25th Percentile	50th Percentile	75th Percentile
Eastern Great Lakes and Hudson Lowlands	CHLA	ug/l	1.6	2.8	450
	TN	ug/l	470	589	780
	TP	ug/l	31	55	120
Laurentian Plains and Hills	CHLA	ug/l	1.7	2.6	4.1
	SECCHI	m	2.5	2.9	3.3
	TN	ug/l	330	325	500
	TP	ug/l	14	23	40
Northeastern Coastal Zone	CHLA	ug/l	4.9	7.8	28
	SECCHI	m	1.1	1.2	1.8
	TN	ug/l	560	702	1,210
	TP	ug/l	20	29	100
Northeastern Highlands	CHLA	ug/l	2.2	1.7	3.1
	SECCHI	m	1.2	1.2	1.8
	TN	ug/l	360	479	680
	TP	ug/l	10	16	40
Composite New England	CHLA	ug/l	1.9	2.8	5.6
	SECCHI	m	2.0	1.4	3.1
	TN	ug/l	460	636	970
	TP	ug/l	20	27	88

Table 5-4 Comparison of New England NE R/S Nutrient Database Rivers and Streams with Targets

Ecoregion	Target R/S	Database R/S	Target Ref R/S	Database Ref R/S
Eastern Great Lakes and Hudson Lowlands	50	14	5	1
Laurentian Plains and Hills	50	21	5	NA
North Eastern Highland	50	316	5	2
North Eastern Coastal Zone	50	206	5	5
New England Total	**200**	**557***	**20**	**8**
*Slightly lower total from Table 4-3 reflect some stations which could not be located due to lack of coordinates				

Figure 5-1 New England Level III Ecoregions

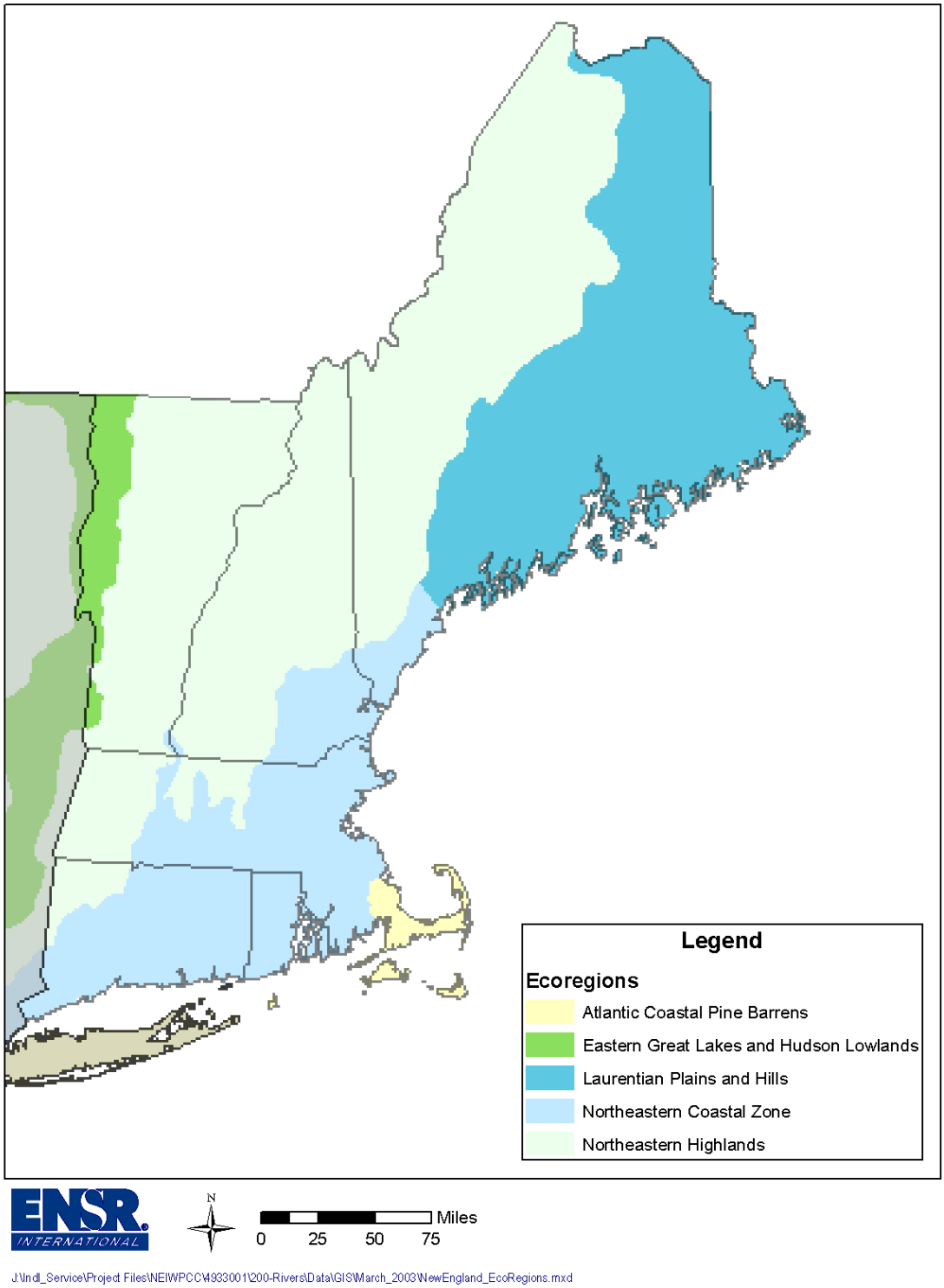


Figure 5-2 Land Use Distribution in New England Ecoregions

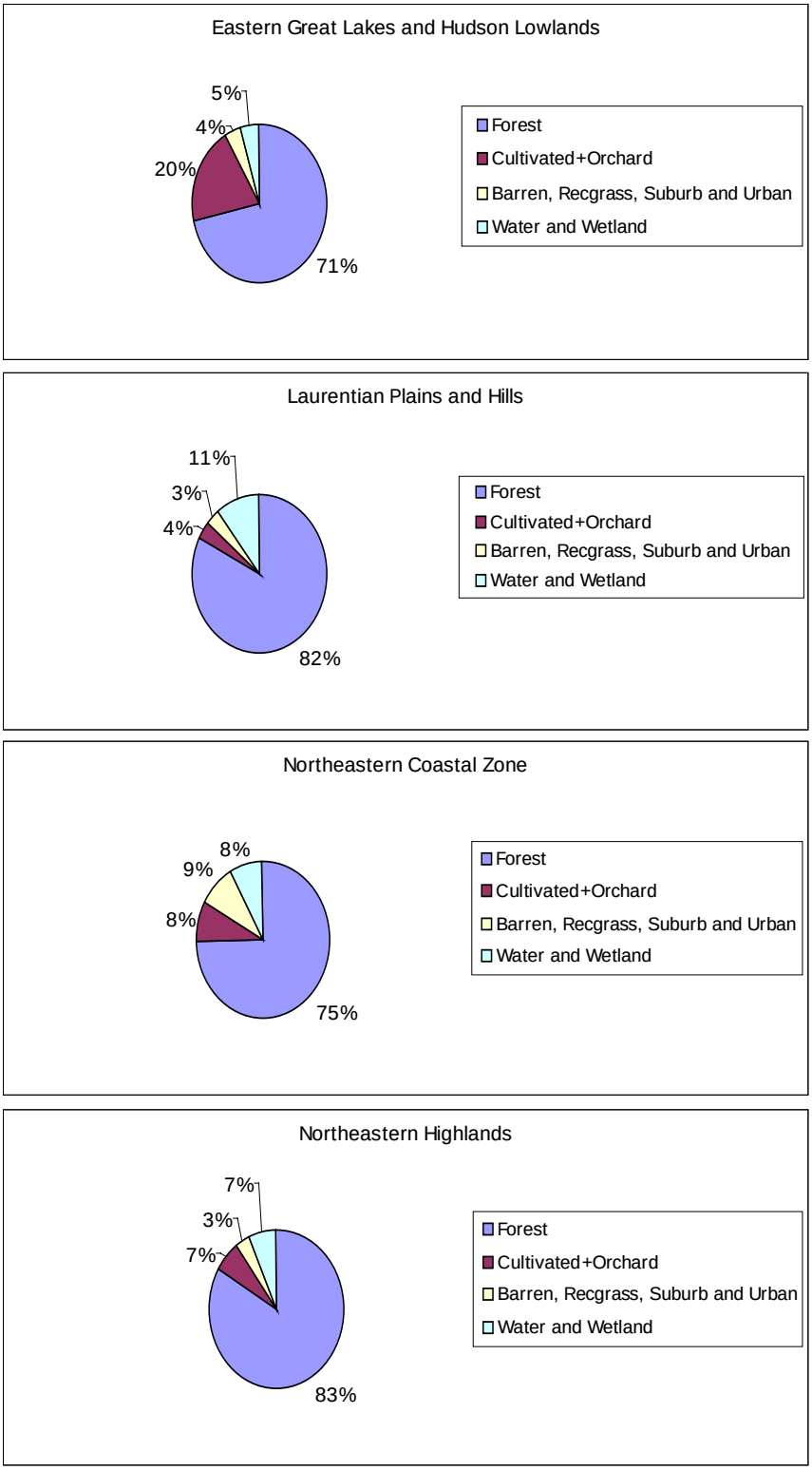


Figure 5-3 Distribution of Four Season Medians for Total Phosphorus Sorted by Ecoregion

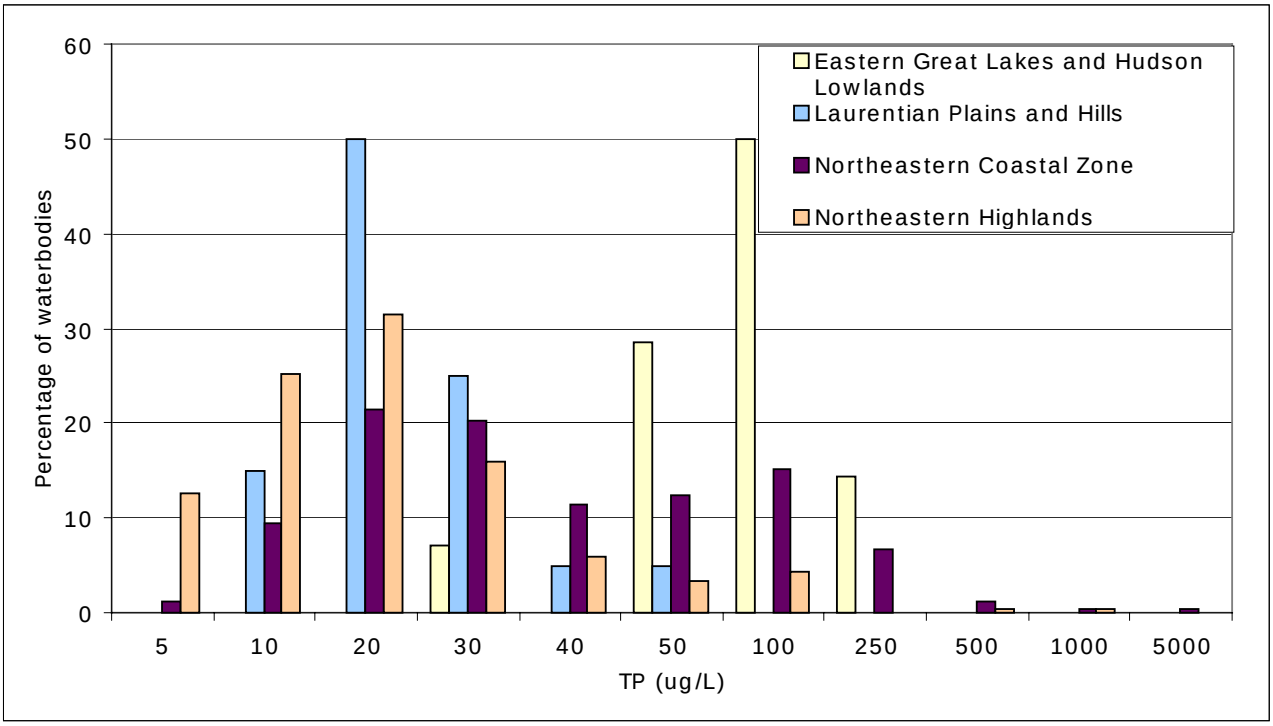


Figure 5-4 Distribution of Four Season Medians for Total Nitrogen Sorted by Ecoregion

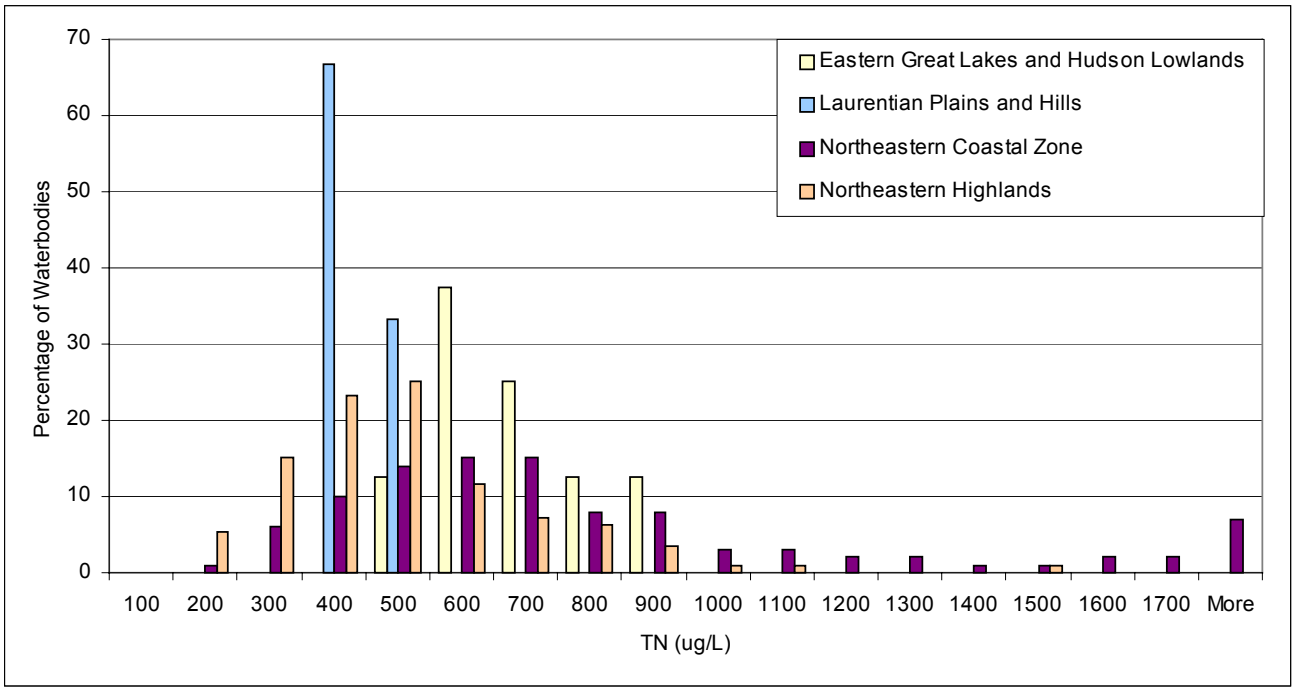


Figure 5-5 Distribution of Four Season Medians for Chlorophyll *a* Sorted by Ecoregion

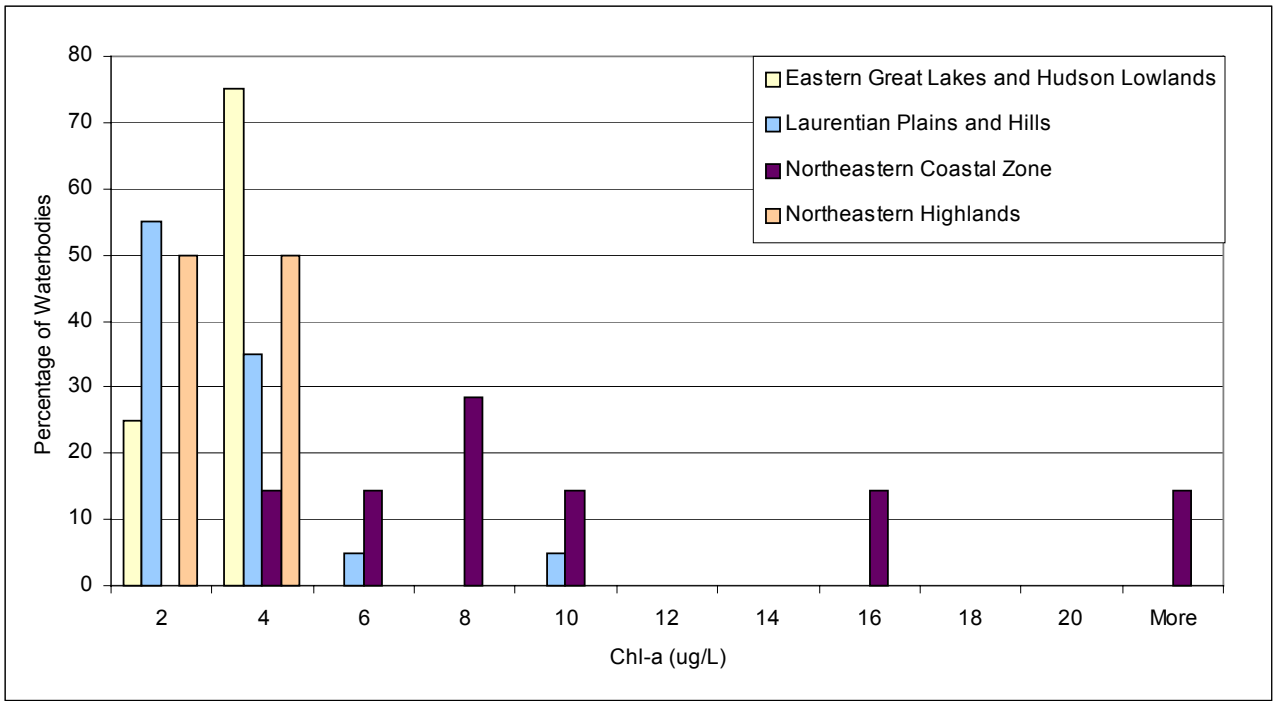


Figure 5-6 Statistical Distributions of Total Phosphorus Medians Among New England Ecoregion

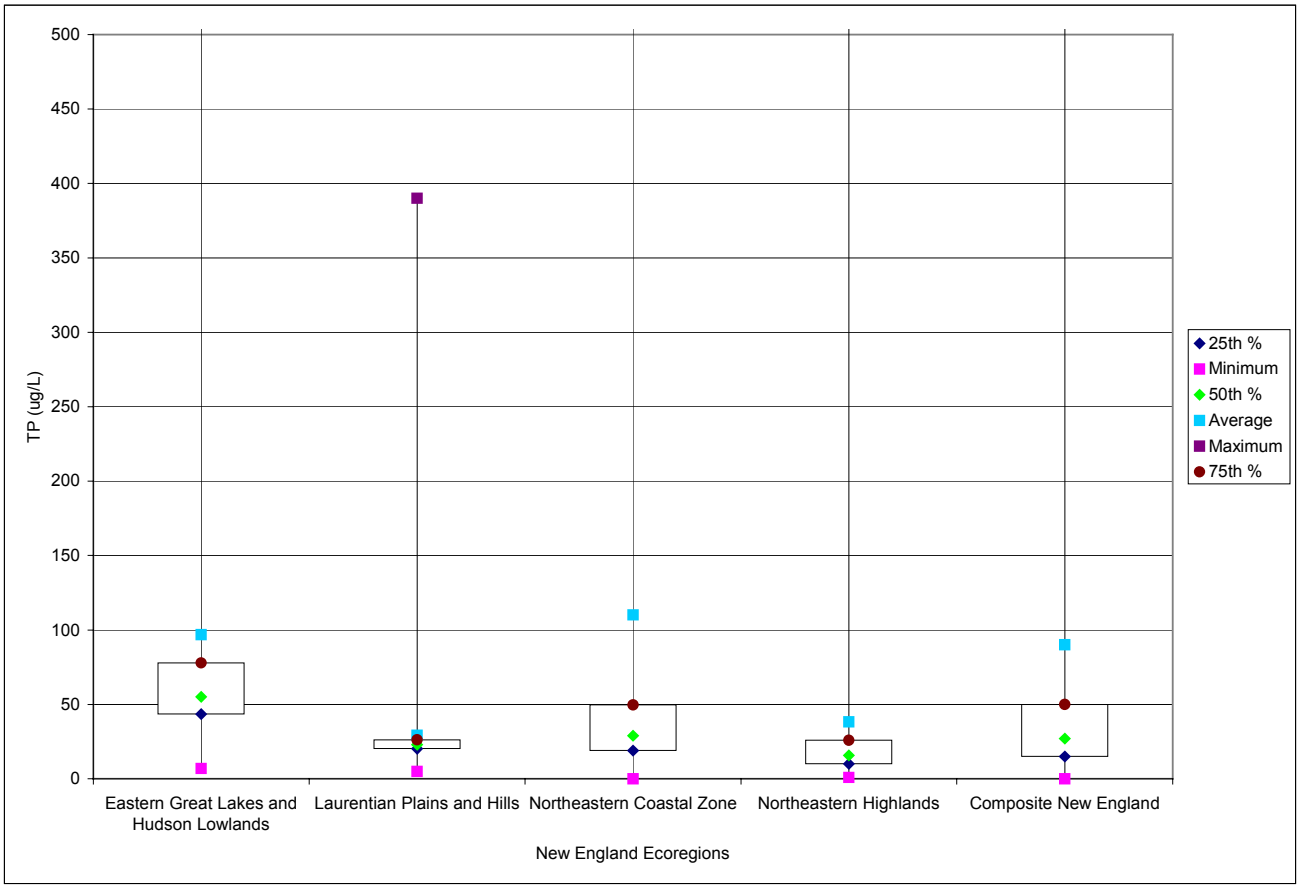


Figure 5-7 Statistical Distributions of Total Nitrogen Medians Among New England Ecoregions

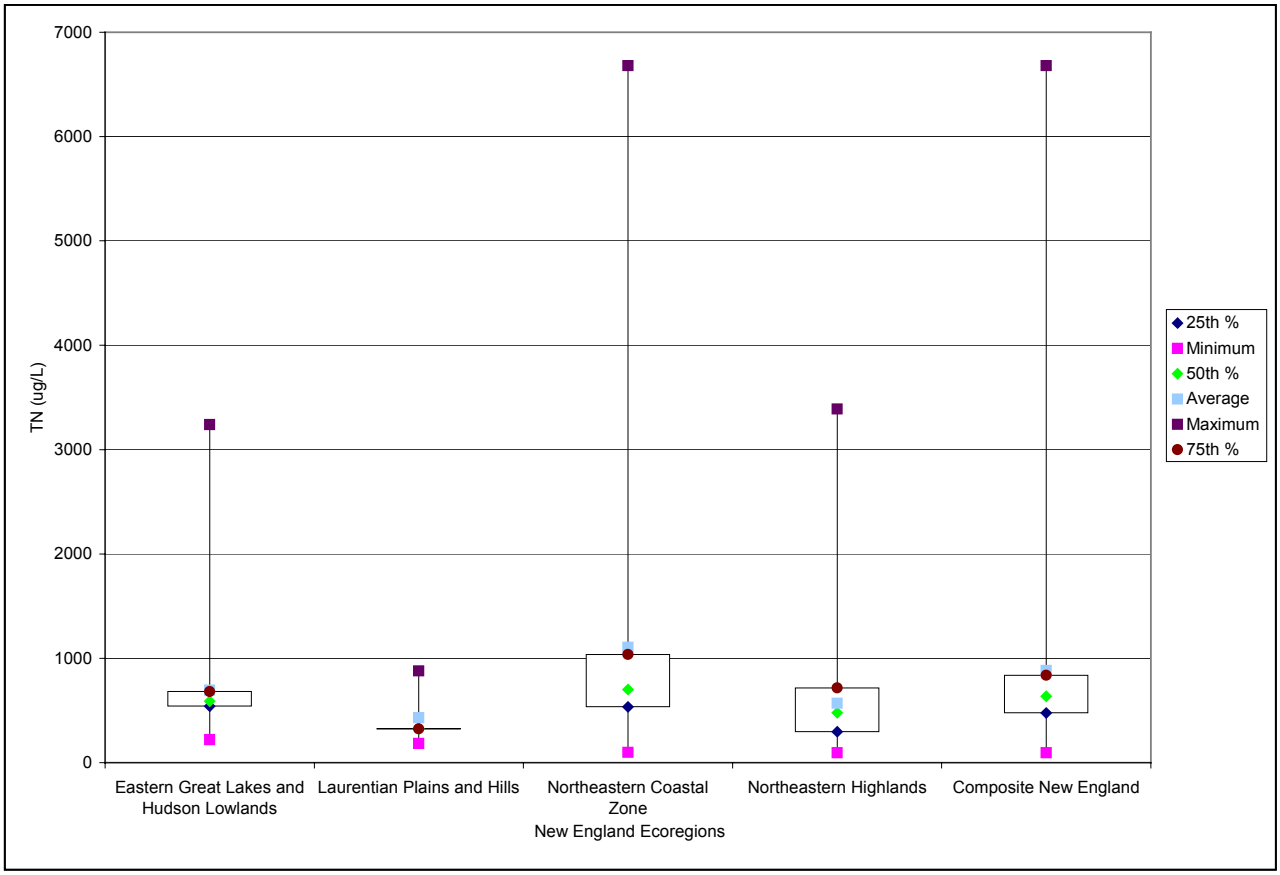


Figure 5-8 New England Water Quality Sampling Stations in R/S Nutrient Database

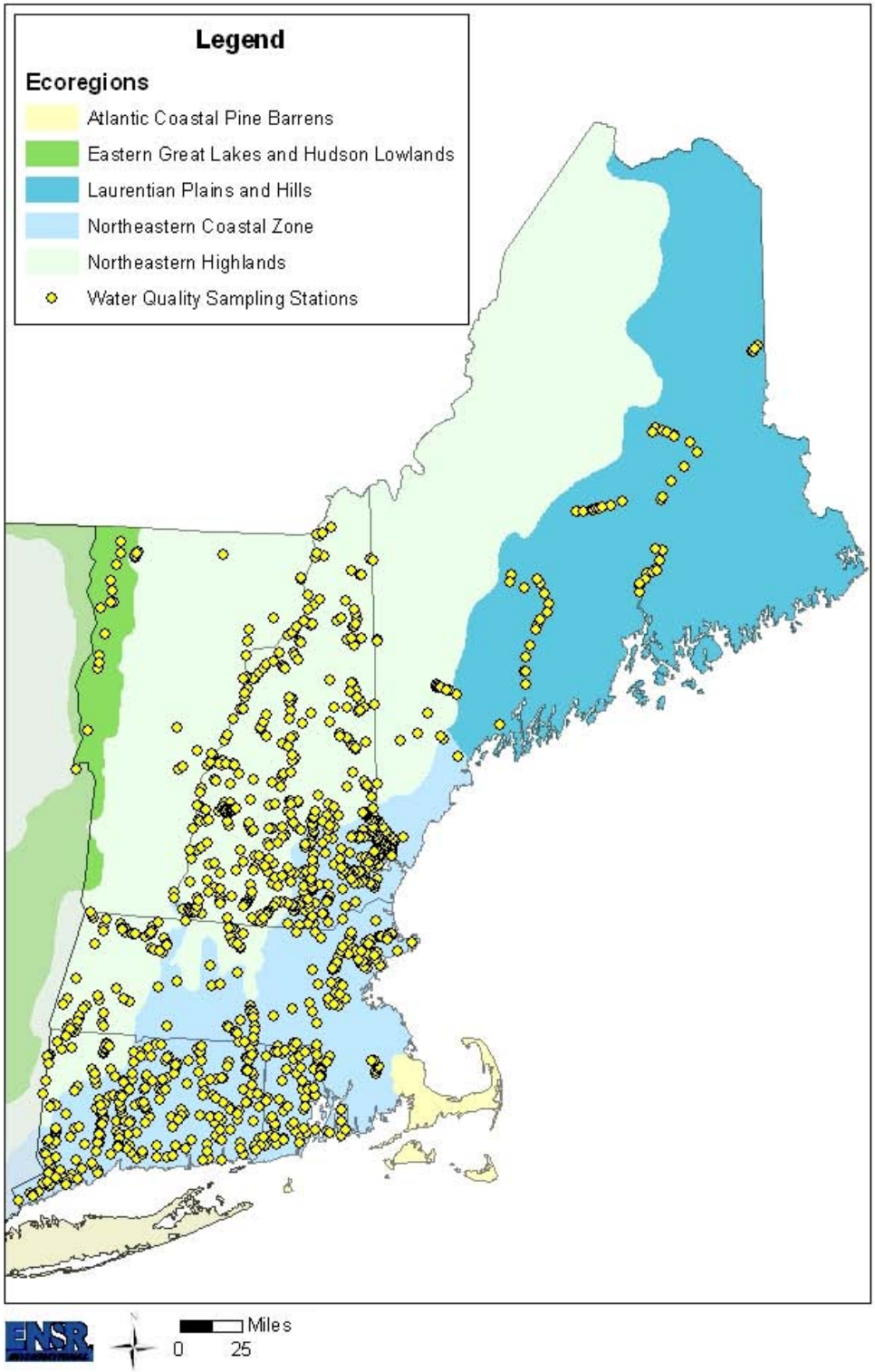


Figure 5-9 Connecticut Water Quality Sampling Stations

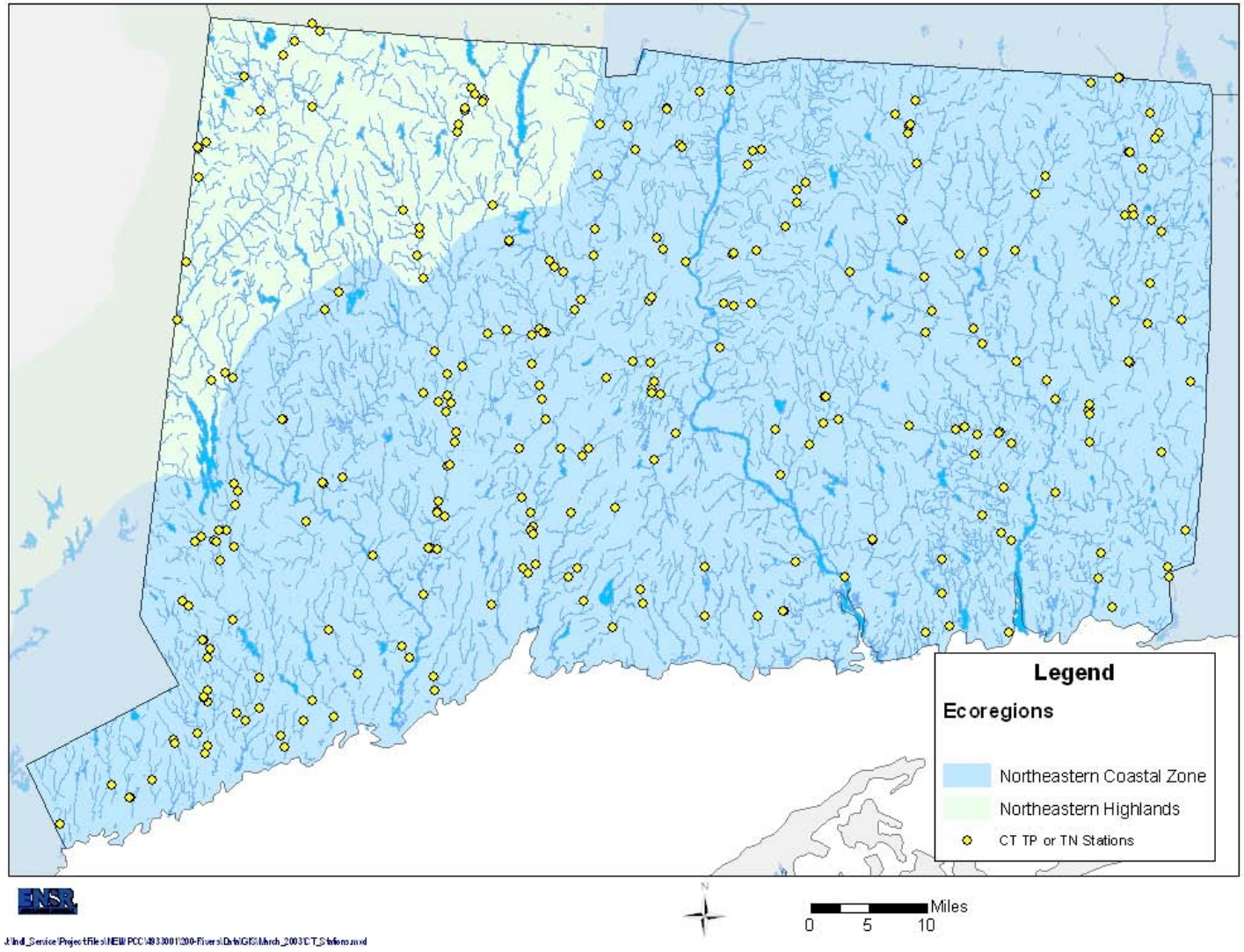


Figure 5-10 Maine Water Quality Sampling Stations

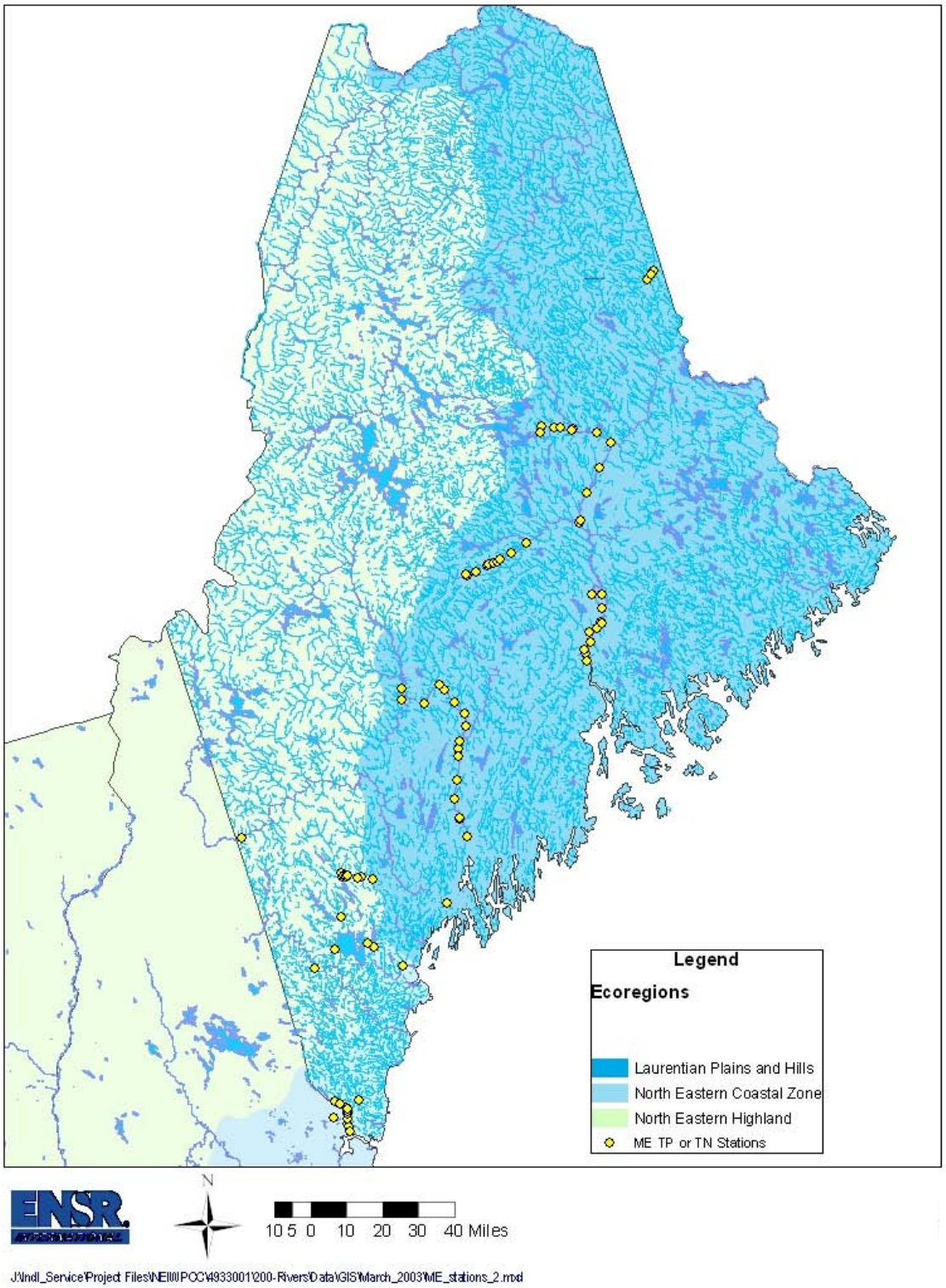


Figure 5-11 Massachusetts Water Quality Sampling Stations

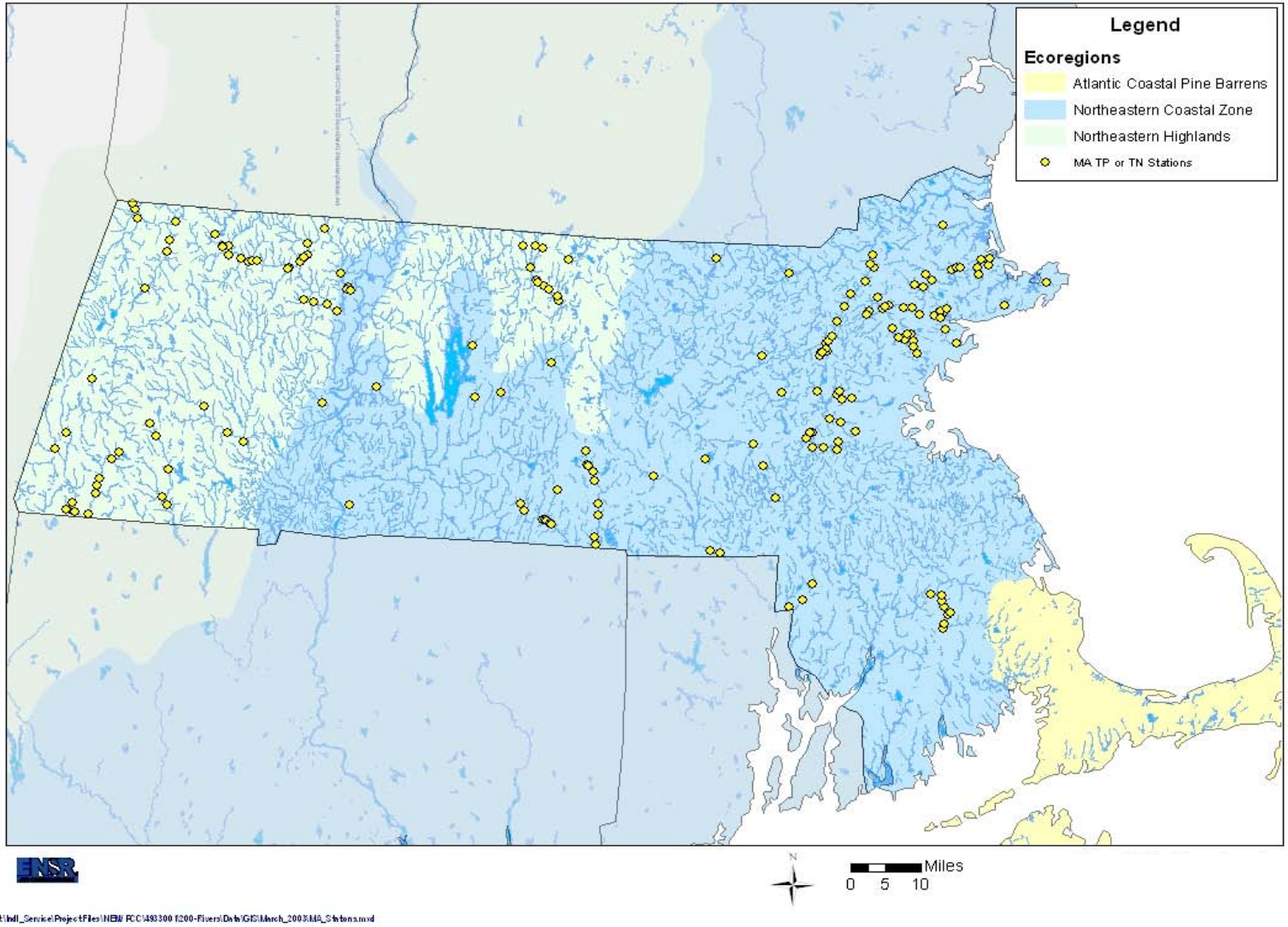


Figure 5-12 New Hampshire Water Quality Sampling Stations

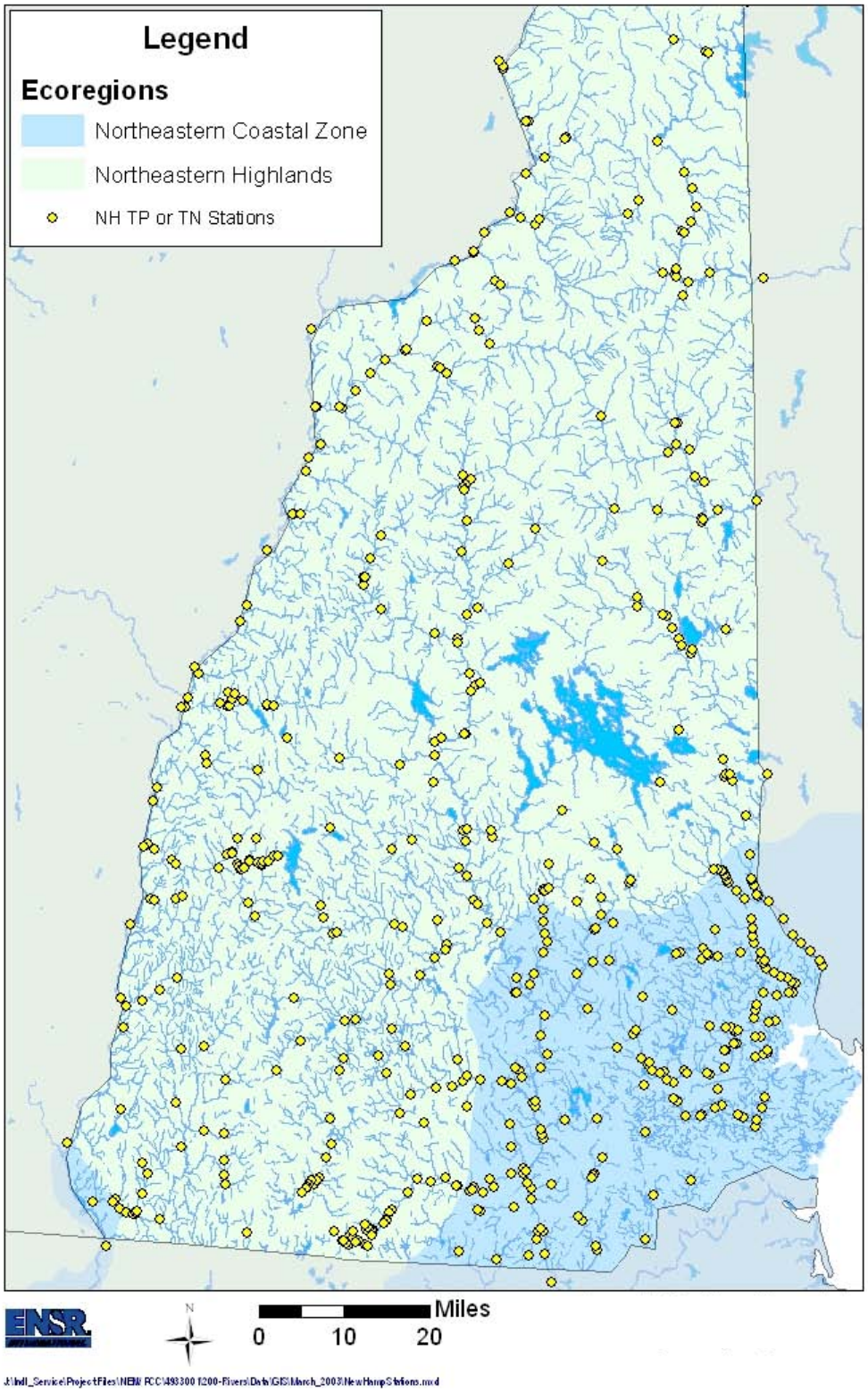


Figure 5-13 Rhode Island Water Quality Sampling Stations

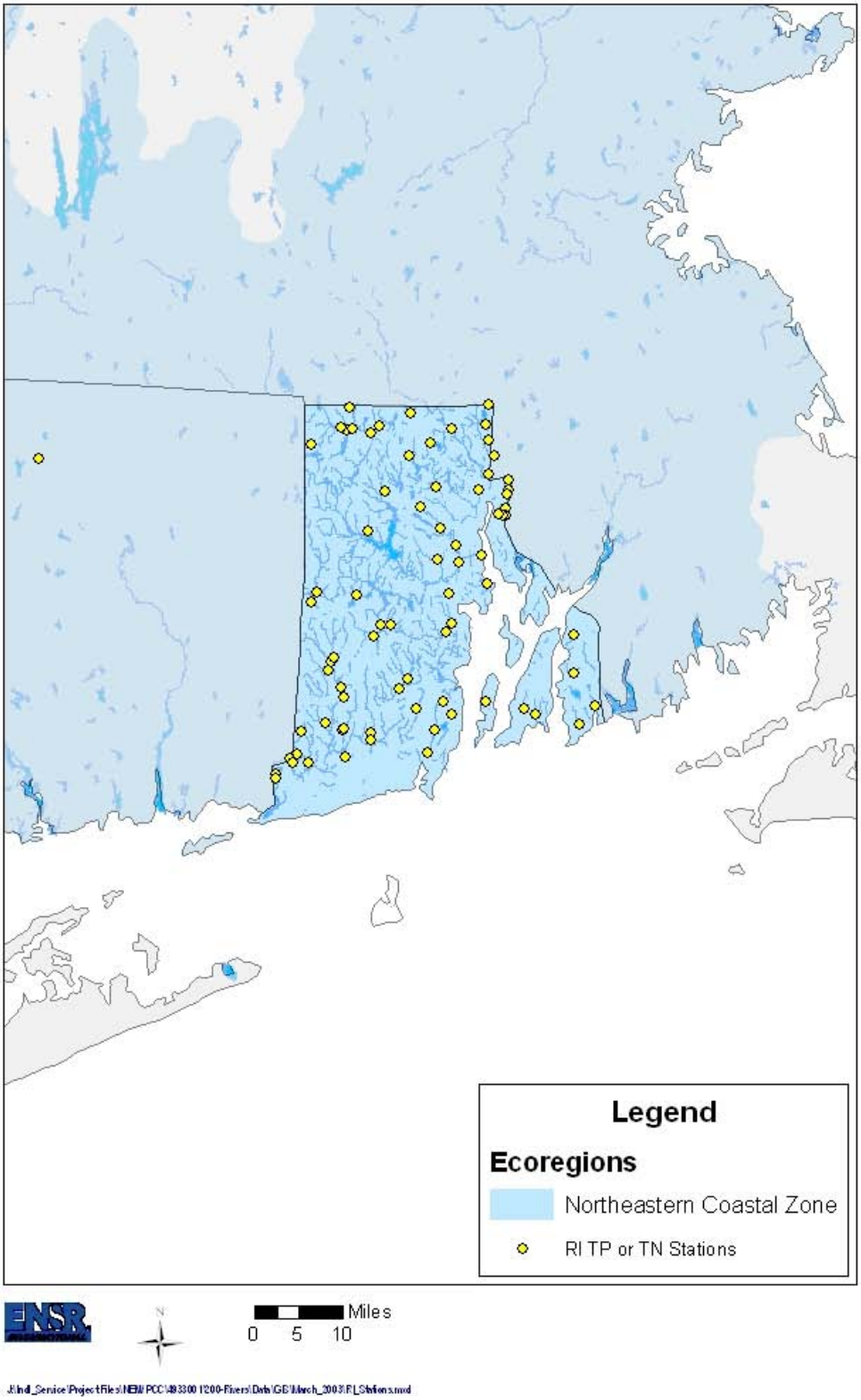
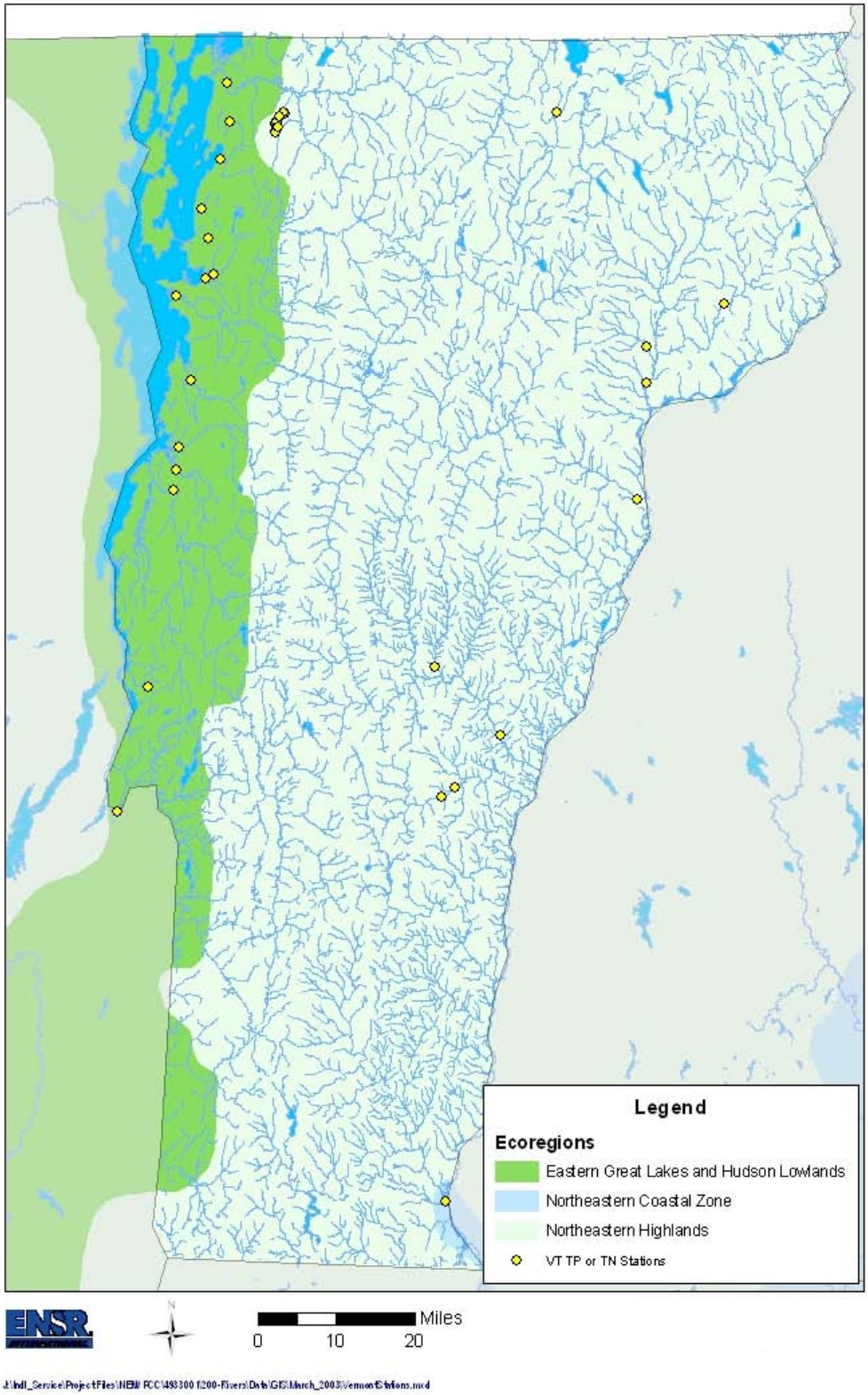


Figure 5-14 Vermont Water Quality Sampling Stations



6.0 APPLICATION TO NUTRIENT CRITERIA DEVELOPMENT

This section pertains to the derivation of preliminary draft nutrient criteria for New England rivers and streams. Section 6.1 introduces the major approaches used to investigate nutrient criteria development for rivers and streams. Section 6.2 compares the median and critical percentile values (e.g, 25th) in the NE R/S Nutrient Database vs. the U.S. EPA Ambient Water Quality Criteria (AWQC) Recommendations for the various ecoregions of interest. Section 6.2 also considers the use of populations of reference and impacted waterbodies to support criteria development. Section 6.3 discusses the influence of watershed size on nutrient parameters, with a more detailed look at differences between so-called "wadeable" streams and larger waterbodies. Section 6.4 considers the influence of watershed land use on nutrient levels, particularly urban and agricultural land uses. Section 6.5 looks at nutrient levels associated with potential impairment of in-stream designated uses, particularly benthic invertebrates and periphyton.

6.1 Approaches Used to Evaluate Nutrient Criteria Development Strategies

One of the challenges which face State agencies developing nutrient criteria is to develop a common criterion for many different types of streams and rivers in diverse geographical and watershed land use settings or to find a defensible means to adjust the criterion in accordance with river or watershed characteristics. As a starting point, ENSR explored observable ecoregional differences in lotic nutrient levels through comparison of the ecoregion-specific median and 25th percentile values generated from the NE database to the U.S. EPA AWQC Recommendations (U.S. EPA, 2000b; 2000c; 2001). As an extension of the "Statistical Method" suggested in *the Rivers and Streams Technical Guidance Manual* (U.S. EPA, 2000a), the generation of a 75th percentile for "reference" streams was considered as were other available values (Rohm et al., 2002). These results are reported in Section 6.2.

Another potential way of differentiating waterbodies is based on the their size, whereby "small" rivers may be categorized differently from "large" rivers in terms of nutrient relationships. One underlying theoretical basis for this differentiation is related to the nature of the waterbody and its relationship to its riparian zone as a source of energy. The River Continuum theory hypothesizes that as streams increase in channel width and depth, the relative importance of riparian vegetation as a carbon source decreases while that of in-stream growth of periphyton and aquatic macrophytes increase. Going further downstream, the substrate-based periphyton and macrophytes are supplanted in importance by water column phytoplankton (Vannote et al., 1980). In addition, the potential for anthropogenic influences to influence lotic waterbodies generally increases as watershed size and associated watershed population increase. Based on the availability of watershed size estimates from USGS, watershed area was used as a surrogate for other related parameters such as stream order or streamflow in interpreting patterns of nutrients. These results are reported in Section 6.3.

Watershed land use is also assumed to be a strong determinant of water quality in a stream or river. Many water quality models use nutrient export coefficients to estimate the amount of nutrients entering

a waterbody. The potential relationship between nutrients and watershed land use was explored using the percentage of urban and agricultural land use. These results are reported in Section 6.4.

In addition to the investigation of factors that could be used to categorize waterbodies into more effective units for nutrient criteria development, a more direct look at the influence of nutrients on the impairment of designated uses was sought. Ultimately, nutrient criteria have to be linked to the assurance that they support all designated uses for a waterbody. For rivers and streams, the support of aquatic life is generally the most sensitive designated use. Biocriteria provides a means to assess the ability of the stream or river to support aquatic life. The relationship between nutrient levels and benthic macroinvertebrates and periphyton was examined in Section 6.5.

6.2 Statistical Method

The *Nutrient Criteria Technical Guidance Manual: River and Streams* (EPA, 2000a) suggests several approaches to derivation of nutrient criteria and contains a useful compendium of case studies. One of the suggested methods investigated is the use of target percentile (i.e., "Statistical Method").

The Statistical Method uses two approaches for determining candidate reference condition values for TP, TN, Chl *a* and SDT, and relates these reference conditions to desired nutrient ranges. In both cases, the goal is to select the threshold value from available data for a given category of R/S waterbodies. The EPA defines a reference condition as that representative of the least impacted conditions or what is considered to be the most attainable conditions for lakes within a state, or ecoregion. Figure 6-1 graphically summarizes the two approaches of the Statistical Method.

The first approach of the Statistical Method consists of selecting a percentile from the distribution of measured variables (in this case representative values of trophic parameters of interest) from known reference R/S, (i.e., the highest quality or least impacted rivers or streams). The River and Stream *Technical Guidance Manual* suggests the 75th percentile, although this is an arbitrary value and could be replaced with higher or lower percentiles, as considered appropriate.

The second approach suggested by the Statistical Method consists in selecting a percentile from the distribution of measured variables for a general population that includes all rivers and streams within a region. In this case, the percentile level chosen should be higher since the population contains a mix of degraded (impacted) and cleaner (reference) river and streams. The River and Stream *Technical Guidance Manual* recommends the use of from the 5th to the 25th percentile depending on the relative proportion of reference waterbodies. For purposes of this calculation, the 25th percentile was used.

6.2.1 Identification of Reference, Impacted, and Test Waterbodies

The initial step in the Statistical Method is the establishment of reference waterbodies in order to establish the "reference" population used for the first approach. A related step is the identification of

impacted waterbodies. Although not suggested by the Rivers and Stream *Technical Guidance Manual*, identification of impacted waterbodies was devised as a way of checking the relative level of nutrient enrichment in the general rivers/streams population.

To establish reference waterbodies, individual States were approached to provide reference stations/waterbodies among the list of water quality stations retained in the final Nutrient Database. They were asked to identify the reference rivers or streams as those most likely to represent the most desirable conditions for a representative class of waterbodies, based on their state-specific methods and/or best professional judgment. This query met with limited response from the States, as only CT and VT provided direct information on reference waterbodies, with both states using biocriteria (particularly benthic insects). Since this provided < 10 waterbodies for the dataset (see Section 5.4), an alternative means of identifying "surrogate" reference stations was established.

One means of establishing "surrogate" reference stations is simply to take the waterbodies with the lowest concentrations of trophic parameters (e.g., 10th percentile of nutrient distributions). However, this simply selects the waterbodies on the basis of a statistical distribution without regard to any underlying causal factors that should result in reference conditions. This also suggests that given another year's round of sampling the "reference" stations would change based on their relative position in the statistical distribution.

ENSR preferred to consider reference conditions on the basis of their watershed characteristics. This is consistent with the approach taken by the State of Maine for lakes and with the protocol suggested by Rohm et al, (2002) for identifying reference rivers and streams. The waterbodies in the NE R/S Nutrient Database were screened for the following watershed characteristics:

- watersheds with <1% urban land use;
- watersheds with < 5% agricultural use; and
- watersheds with population densities < 20 humans / sq. mile.

The last criterion needs further explanation. It was arbitrarily based on the 10th percentile of population density for the New England watersheds evaluated. The importance of low population density in a watershed is twofold – low levels of anthropogenic non-point source inputs and a population density unlikely to require a POTW in the vicinity (more reliance on septic systems for sanitary waste disposal).

The waterbodies that met the three criterions listed above were selected as surrogate reference waterbodies and were combined with the biocriteria-based reference waterbodies for further analysis.

In addition to the selection of reference waterbodies, impacted waterbodies were also identified. The chief basis for identifying the waterbodies was inclusion on a current 303(d) list for nutrient-related factors as indicated on Table 6-1. For a waterbody where some segments were listed and others not,

the length of the impacted sediment, descriptive narrative comments, and best professional judgment was used to determine if a waterbody was impacted. Due to the historical nature of the data in the NE R/S databases, waterbodies currently identified by states for de-listing from the 303(d) list were considered impacted since many of the recent or planned improvements would not be reflected in the associated water quality data in the database.

The basis for assessment of impacted conditions differed slightly from state to state. The assessment of the rivers conditions were generally based on consideration of a combination of causal factors such as the nutrients measured, impairment to benthic community, presence of POTW or CSO discharges, presence of agricultural activity, observed low DO, etc. In addition to the 303(d) list, biocriteria data from CT and VT were reviewed and R/S with severe impairment to aquatic life support (as evidenced by low biocriteria scores) were also added to the impacted category. Finally, those waterbodies which were not identified as either reference or impacted were categorized as "test" waterbodies. The distribution of reference, test, and impacted rivers and streams is presented in Table 6-2.

The distribution of nutrients in rivers and streams of these three categories are shown in Figures 6-2 and 6-3. Not unexpectedly, these figures show a clear distinction between the reference and impacted R/S categories for both TP and TN, while the test category shows a distribution in-between although not too different from the reference. This clearly indicates that selecting for a largely non-urbanized, sparsely populated watershed does indeed result in "reference" water quality conditions.

The nutrient data were processed using the EPA data transformation protocol presented in Section 4.4 for the key trophic parameters. The dataset population obtained is composed of one representative value per waterbody, expressed as the median of all measurements of season-specific values for a certain parameter (e.g., 25th percentile). The resulting 25th, 50th (median) and 75th percentiles are shown in Table 6-3. Comparison of the medians for TP indicated 43 ug/L for impacted R/S, 14 ug/L for reference R/S and 24 ug/L for test R/S. The 75th percentile values for the reference R/S was retained for use in comparison with the all NE 25th. Due to the lack of trophic data for some ecoregions some of the reference values are less likely to be representative (e.g., EGLHL).

6.2.2 Comparison with U.S. EPA Ambient Water Quality Criteria Recommendations

To provide comparability to the U.S. EPA AWQC Recommendations (U.S.EPA, 2000b; 2000c; 2001), the nutrient data were processed using the EPA data transformation protocol presented in Section 4.4. The "four seasons" 25th percentile values for all waterbodies (corresponding with "All rivers distribution" in Figure 6-1) and the 75th percentile for reference waterbodies (corresponding with "Reference rivers distribution") were calculated. These values are displayed with the corresponding U.S. EPA ambient water quality criteria recommendations for NE ecoregions in Table 6-4.

Comparison between the NE R/S Nutrient Database 25th percentile values and the EPA criteria recommendations indicates excellent agreement between these two sets of values. This is not an

unexpected result as there is considerable overlap between the two databases since both include STORET and USGS data. For example, the TN values are ranked comparably and distinguish between the more fertile EGLHL and NECZ ecoregions versus the more nutrient poor LPH and NEH ecoregions. Distributions of TP are similar although the NE R/S Nutrient database has a slightly higher value for the LPH (20.3 ug/L) than the EPA criteria recommendation (12 ug/L). Values for Chl *a* in the NE R/S Nutrient Database vary somewhat among the ecoregions (1.7 – 4.9 ug/L) but correspond to the ranges seen in the AWQC (1.6 - 3.4 ug/L). The small sample size (or mixing of different chlorophyll analytical methods) may be affecting the representativeness of the values.

The 75th percentile of the reference R/S does not consistently fall above or below the values of the 25th percentile of the all rivers. The composite New England shows good agreement between the two values for TP, TN, and Chl *a* (Table 6-4).

Other regional nutrient values for comparison include the medians (50% percentiles) reported by Rohm et al. (2002) for their New England EMAP R/S data. For those R/S in Level III Aggregate Ecoregion VIII, Rohm et al. reported TP and TN values of 18 ug/L and 878 ug/L, respectively; while corresponding range for LPH and NEH (Ecoregion VIII) in the R/S NE Nutrient Database were TP from 16 to 23 ug/L and TN at 325 to 479 ug/L. For Level III Aggregate Ecoregion XIV, the median TP and TN were 34 ug/L and 1256 ug/L. This compares to the NECZ TP median, which was 29 ug/L for TP and 702 ug/L for TN. Overall, the NE R/S Nutrient Database and Rohm et al. EMAP study match up well for the TP values, but the Rohm estimates of TN are roughly twice the NE database values.

6.3 Evaluation of Effect of Watershed Size on Nutrient Levels

The watershed area estimates provided by USGS were used to compare the effect of watershed size on nutrient concentrations in R/S. In this case watershed size is the surrogate parameter for other size-related factors such as stream order, water depth, or flow. The purpose of such an analysis is to determine whether, due to loading or flow characteristics, it is possible to distinguish among watersheds of a certain size, and use this distinction to adjust nutrient criteria. Another reason for separating watersheds of different size is to segregate those whose productivity may be dominated by periphyton versus those with large phytoplankton communities.

As a first analysis, the effect of watershed size was compared to waterbody median TP and TN values for the four NE ecoregions (Figures 6-4 and 6-5). In both of these figures, two patterns are evident. First, due to the large scale of potential watershed size, there is a clustering of values in the low watershed size range with great variability in nutrient levels seen in the smaller unit watersheds. Secondly, the nutrient values become somewhat uniform as watershed size increases. The very large rivers (i.e., >2,000 sq. mile watershed) do not appear to vary significantly in nutrient concentration. It is uncertain whether this decreasing variability is due to the homogenization of watershed influences, as larger rivers drain watersheds of increasing similarity in land use due to urban sprawl.

To better evaluate the small watersheds that are clustered near the origin in Figure 6-4, the same comparison was done at a smaller watershed size range (Figure 6-6). There seems to be a slight decrease in the variability of nutrients from the smallest watershed as size increases. However, the figure indicates no great pattern of nutrient increase or decrease other than a distinctive grouping of waterbodies along ecoregional lines (especially EGLHL and LPH). The basis behind these ecoregional differences are further analyzed based on the land use differences (see Section 6.4)

As another approach in evaluating the influence of watershed size on R/S nutrient levels, an arbitrary size classification was used, based on a loosely defined functional characteristic of a stream. This analysis was interested in the possible utility of a sub-classification of R/S into so-called "wadeable" streams (i.e., streams able to be forded during low flow without use of a boat) and larger waterbodies.

Wadeable streams are of particular interest because they are thought to more likely to be sensitive to nutrient enrichment due to their shallow volume and depth and their potential to support periphyton growth or aquatic macrophytes which, in excessive amounts, can lead to impairment of aquatic life support and/or aesthetics. As R/S size and depth increase, the relative sensitivity of the waterbody to nutrient enrichment is likely to decrease as light and substrate availability compete with nutrient limitation to control periphyton or macrophyte growth. As streams increase in size and channel morphometry, more biological productivity will cycle through water column phytoplankton which may present problematic blooms in downstream impoundments.

U.S. EPA has not officially defined the morphometric parameters (depth, width, etc) of a "wadeable" stream. Following discussion with the RTAG coordinator and inquiries to U.S. EPA national headquarters, an estimate of a watershed of <50 square miles was discussed. Therefore, for purposes of this analysis, a wadeable stream was defined as a waterbody with a sampling station < 50 square miles upstream watershed drainage area.

Comparison of the distribution of four season medians for TP and TN for wadeable and larger R/S are shown in Figures 6-7 and 6-8, respectively. Both figures indicate that there is very little difference in the distribution of nutrients between wadeable and larger streams. To make sure this pattern was not obscured by ecoregional influences, the same comparison was made for R/S from a single ecoregion (NECZ) in Figures 6-9 and 6-10. The within-ecoregion comparison did not further resolve nutrient distributions between wadeable and larger R/S. Thus, while differences are likely to exist in the biological response of the wadeable R/S to excessive nutrients in terms of impairment of aquatic life support (see Section 6.5), there is no clear distinction between the levels of nutrients seen in wadeable vs. larger R/S.

A further investigation was made of large multi-ecoregion rivers to see how the differences in watershed size and shift in ecoregion affected nutrient levels. The two example rivers used were the Merrimack and Connecticut Rivers. Figures 6-11 and 6-12 present TP concentrations in these two major rivers. The levels of TP increase in both waterbodies (note the discontinuity in Figure 6-11 as no

Massachusetts nutrient data were available) with distance downstream and with transition from NEH to NECZ. This is particularly true for the Merrimack River (Figure 6-12) where TP increases markedly as the river goes from the NEH to the NECZ ecoregion. Since the Merrimack Valley in the NECZ contains several large urban centers with large publicly-own treatment works (POTWs), aging stormwater infrastructures, and combined sewer overflows (CSOs) (e.g., metropolitan areas of Lowell, Lawrence), the increase in TP is likely to be associated with local land uses rather than with watershed size alone. While there are similar large urban areas and multiple POTWs along the Connecticut River, the lack of sampling stations and water quality data for this river in Southern New England, makes definitive statements about trends more uncertain. The role of watershed land use on R/S nutrient concentrations was further investigated.

6.4 Evaluation of Effect of Watershed Land Use on Nutrient Levels

The potential influence of watershed land use on the water quality of NE R/S was investigated using the land use categories provided by USGS. While increasing watershed size did not lead to a significant trend in nutrient levels, relative increases in the types of watershed land uses expected to export nutrients should be reflected in higher nutrient concentrations in receiving streams. This assumption was used in the converse during the identification of surrogate reference stations, where threshold percentages of particular land uses were used as screening criteria (Section 6.2)

The two land uses that were evaluated were urban and agricultural land use. As noted earlier, urban land use is defined as the sum of urban, suburban, recreational grassland (park) and barren (non-vegetated); while agricultural land use is the sum of cultivated and orchard land uses (Section 5.1). The overall relationships between waterbody four season median TP and TN under varying land use conditions are shown in Figures 6-13 through 6-15.

Figures 6-13 and 6-14 indicate the relationship between TP and TN and percent urban land use for New England ecoregions. Figure 6-13 indicates that TP does not show a significant trend with increasing urban land use, with variation decreasing with urban area. It is likely that the elevated TP values are due to the influence of POTWs. As in other figures, there is a cluster of values near the axes indicating watershed with low amounts of urban land. All of the waterbodies with greater than 10% urban land are in the NECZ ecoregion. In Figure 6-14, the waterbody four season median TN is related to urban land use and shows a positive correlation. A regression line has been fitted to the data for the NECZ (the most urbanized (9% of watershed area) of the ecoregions) and shows a significant correlation (R^2 = 0.227). Figure 6-15 indicates a stronger relationship between TN and agricultural land use, although there is much scatter of values near the origin. A regression line was fitted to the data for the EGLHL ecoregion (the most agricultural (20%) of the ecoregions) and shows a stronger correlation (R^2 = 0.542). This increase in TN may reflect the influence of fertilizer application and soil disturbance associated with active agricultural areas.

These figures indicate that the watershed land use is a potential determinant of water quality and nutrient levels. Since the land uses are somewhat segregated among the four ecoregions, this suggests that a portion of the observable ecoregional differences (e.g., Figures 5-6 and 5-7) are explainable on the basis of land use.

6.5 Evaluation of Effect of Nutrients on Designated Uses

Another approach for evaluation of nutrient criteria is to establish a relationship between nutrient concentrations and designated uses, the legally-protected functional capabilities that a R/S of a certain water classification is expected to provide. In the development of ecoregional nutrient criteria in New England, there has been considerable interest in establishing a more direct linkage between nutrient levels and their effects on designated uses, since this provides a perhaps more ecologically defensible means of developing quantitative nutrient criteria. For NE R/S, hypothetical designated uses range from those requiring high water quality (drinking water supply, outstanding resource waters) to moderate water quality (contact recreation, aquatic life protection) to low water quality (boating, fishing, flood control, irrigation). Most R/S in New England are Class A (all uses including drinking water) or Class B (all uses except drinking water) or their equivalent. It is not known how many of the R/S in the NE database are potential drinking water supplies. For the majority of the R/S, aquatic life support is considered to be one of the most sensitive of the designated uses to nutrient enrichment due to potential adverse impacts of eutrophication (DO fluctuations, algal biomass, etc). Two aspects of aquatic life support were investigated with regard to nutrients – benthic macroinvertebrates and periphyton.

6.5.1 Benthic Invertebrates

Benthic invertebrate data from Connecticut and Vermont were obtained from CT DEP and VT DEC as part of the identification of reference waterbodies/stretches. In each set of data, the benthic community was assessed with regard to its health and similarity to communities found in reference waterbodies or stretches. Additional narrative information provided indicated whether or not the water quality sampling station location was fully, partially, or non-supportive of aquatic life. For Connecticut data, the benthic invertebrate community was rated as a percentage of reference conditions (with 100% being equivalent to reference); while for the Vermont data, six qualitative categories were used including very poor, poor, fair, good, very good, and excellent. These qualitative categories were assigned quantitative scores using 100% for excellent, 66% for good, and 33% for poor with similar interpolation for the other categories. The biocriteria scores were compared to the median TP and TN values and are shown in Figures 6-16 and 6-17. It can be seen that TP is not strongly associated with biocriteria – wide ranges of biocriteria exist at the same phosphorus concentrations. The trend with TN is somewhat more interpretable, as impairment increases with increasing TN, especially concentrations > 1000 ug/L. These results have to be interpreted cautiously since many impacted R/S are impaired for multiple causes, including those not related to nutrient enrichment (e.g., TSS, toxics, habitat alteration), that could have a significant effect on the benthic community.

6.5.2 Periphyton Biomass

An attempt was also made to identify potentially useful relationships between periphyton biomass and nutrient levels that might be useful in developing potential nutrient criteria in rivers and streams. Before setting nutrient criteria based on such relationships, however, it is desirable to directly link periphyton biomass levels to impairment of the designated water uses. As part of this effort, ENSR identified 46 papers that investigated potential relationships between nutrient levels and algal biomass, especially periphyton (ENSR, 2001). The results from these studies were summarized and potentially useful approaches and predictive relationships identified. Some potential nutrient thresholds associated with nuisance levels of periphyton were identified from the literature (Table 6-5).

Periphyton biomass between 50 to 200 mg/m^2 Chl *a* or between 20 to 55% of sediment coverage appears to be considered at nuisance levels, with 100 mg/m^2 Chl *a* considered a median value. EPA's water quality criteria recommendations for EPA Level III ecoregions 59 and 84 for nutrients were substituted into selected regressions and the predicted periphyton levels compared with levels considered potentially harmful to designated uses. Based on those comparisons, it appeared that the predicted periphyton levels associated with the AWQC reference nutrient levels for these ecoregions do not create impairment for designated water uses (Tables 6-6 and 6-7).

Table 6-1 Nutrient Related Factors in current EPA 303(d) Listings of Impaired Waters of New England States Used to Establish Impacted Conditions

Criteria	CT	ME	MA	NH	RI	VT
Agricultural Activity	X					X
Ammonia (unionized)	X		X		X	
Algae					X	
Aquatic Life Support	X	X				X
Dissolved Oxygen (low)	X	X		X	X	X
Impaired Biologic Community /	X			X	X	
Noxious Aquatic Plants	X		X			
Nutrients	X	X	X		X	X
Organic Enrichment/ Low DO			X			X
Sediment Oxygen Demand		X				X
Phosphorus	X	X		X		
Total Suspended Solids / Turbidity		X	X		X	

Table 6-2 NE R/S Waterbodies Identified as Reference, Test, and Impacted by Ecoregion

R/S Categories	EGLHL	LPH	NEH	NECZ	Parameter Totals
Reference R/S	2 / 2 / 1	7 / 2 / 8	48 / 35 / NA	11 / 6 / NA	67 / 44 / 9
Test R/S	7 / 5 / 5	10 / 1 / 9	143 / 73 / 1	238 / 74 / 6	398 / 153 / 21
Impacted R/S	6 / 2 / 2	4 / 1 / 4	15 / 4 / 1	67 / 21 / 1	92 / 28 / 8
Ecoregion Totals	14 / 8 / 8	21 / 4 / 21	206 / 112 / 2	316 / 101/ 7	557/ 225 / 38
parameters listed in order: TP /TN /Chl *a*; NA = data not available					

Table 6-3 Four-Season Medians for Impacted, Reference and Test Rivers and Streams in the R/S Database

		Impacted			Reference and Surrogate			Test		
Ecoregion	**Parameter**	**25th %ile**	**50th %ile**	**75th %ile**	**25th %ile**	**50th %ile**	**75th %ile**	**25th %ile**	**50th %ile**	**75th %ile**
Eastern Great Lakes and Hudson Lowlands	CHLA	2.2	2.2	2.2	1.5	1.5	1.5	2.7	2.9	3.4
	TN	538	538	538	538	538	538	558	613	683
	TP	56	70	83	44	44	44	38	58	95
Laurentian Plains and Hills	CHLA	3.1	3.4	3.7	1.2	2.3	2.5	1.6	1.8	1.8
	Secchi	2.9	2.9	2.9	2.0	2.9	3.0	2.3	2.3	2.3
	TN	370	370	370	325	325	325	485	485	485
	TP	25	30	30	15	17	18	30	30	32
Northeastern Coastal Zone	CHLA	19	19	19	NA	NA	NA	6.0	7.5	9.0
	SECCHI	1.0	1.0	1.0	2.1	2.1	2.1	1.4	1.5	1.8
	TN	707	1060	1838	361	396	458	529	649	870
	TP	29	43	82	11	17	22	17	28	44
Northeastern Highlands	CHLA	2.7	2.7	2.7	NA	NA	NA	1.7	1.7	1.7
	SECCHI	2.1	2.1	2.1	1.7	1.9	2.0	1.1	1.1	1.1
	TN	571	625	696	121	121	121	338	534	712
	TP	19	30	49	8	10	12	10	16	23
Composite New England	CHLA	2.3	2.3	2.3	1.3	1.8	1.8	1.8	2.9	3.4
	SECCHI	1.0	1.4	1.8	2.0	2.2	2.7	1.3	1.3	1.6
	TN	624	856	1533	336	406	520	491	629	798
	TP	27	43	84	9	14	23	12	24	44
NA - No data available.										

Table 6-4 Comparison of All NE 25th Percentile, Reference 75th Percentile and EPA Water Quality Recommendations

Sub-Ecoregions	Parameter	NE Ecoregion Four Season 25%ile Value (ug/L)	Reference Four Season 75%ile Value (ug/L)	EPA AWQ Criteria Recommendations (ug/L)
Eastern Great Lakes/Hudson Lowlands	CHLA	1.6	1.5	1.6 (f)
(EPA sub-ecoregion 83)	TN	470	538	480
	TP	31.0	44.0	24.1
Laurentian Plains and Hills	CHLA	1.7	2.5	NR
(EPA sub-ecoregion 82)	TN	330	325	390
	TP	14.0	12.0	12.0
Northeastern Coastal Zone	CHLA	4.9	-	NR
(EPA sub-ecoregion 59)	TN	560	458	570
	TP	20.0	22.0	23.5
Northeastern Highlands	CHLA	2.2	-	3.4 (s)
(EPA sub-ecoregion 58)	TN	360	121	420
	TP	10.0	12.0	5.0
Composite New England	CHLA	1.9	1.8	
	TN	460	520	
	TP	20.0	23.0	

Notes:

Chlorophyll *a* methods: f = fluorometric, acid corrected; s = spectrophometric, acid-corrected; t = trichromatic

EPA TN criteria are reported values.

NR = not reported

Table 6-5 Periphyton Biomass Levels Associated with Potential Impairment

Reference	Criteria	Potential Impaired Water Use
Biggs 2000	> 150-200 mg/m^2 Chl *a*	Aesthetics, recreation, sports fishing
Dodds et al. 1997	> 100 mg/m^2 mean Chl *a* >150 mg/m^2 max Chl *a*	na
Nordin 1985	> 50 mg/m^2 Chl *a*	Recreational usage
Nordin 1985	> 100 mg/m^2 Chl *a*	Aquatic life
Welch et al. 1988	100-150 mg/m^2 Chl *a*	Aesthetics, oxygen content and macroinvertebrate diversity unaffected at these levels
Horner et al. 1983	> 100-150 mg/m^2 Chl *a* > 20% sediment cover	na
Zuur 1992	Seasonal max sediment cover > 40% and/or > 100 mg/m^2 Chl *a*	Recreational usage
Biggs & Price 1987	$\geq$ 40% sediment cover	Aesthetics
Biggs & Price 1987	$\geq$ 55% sediment cover	Extensive smothering of sediment
Wharfe et al. 1988	Cladophora and sediment cover $\geq$ 40% of substrate	Aesthetics, fisheries
For primary references, refer to NEIWPCC, 2001.		

Table 6-6 Estimated Periphyton Biomass at U.S.EPA Water Quality Criteria Recommendations for Nutrients for Level III Ecoregion 59

Reference	Recommended Criteria for Total Phosphorus (ug/L)	Periphyton Biomass (mg/m^2 Chl *a*)	Notes
Lohman et al. 1992	23.75	52	Mean biomass
Chetelat et al. 1999		54	
Dodds et al. 1997		23	Mean biomass, TN calculated from TP using Redfield Ratio
Dodds et al. 1997		36	Mean biomass, U.S.EPA criteria used for TN
Reference	**Recommended Criteria for TN (mg/L)**	**Periphyton Biomass**	**Notes**
Lohman et al. 1992	0.57	74	Mean biomass
Chetelat et al. 1999		60	
Dodds et al. 1997		59	Mean biomass, TP calculated with Redfield Ratio
Dodds et al. 1997		44	Mean biomass, Used U.S.EPA criteria for TP
Reference	**Recommended Criteria for NO_3+NO_2 (mg/L)**	**Mean Periphyton Biomass**	**Notes**
Biggs 2000	0.31	3	7 days between floods
		21	30 days between floods
		49	60 days between floods
For primary references, refer to NEIWPCC, 2001.			

Table 6-7 Estimated Periphyton Biomass at U.S.EPA Water Quality Criteria Recommendations for Nutrients for Level III Ecoregion 84

Reference	Recommended Criteria for Total Phosphorus (ug/L)	Periphyton Biomass (mg/m^2 Chl *a*)	Notes
Lohman et al. 1992	6.88	30	Mean biomass
Chetelat et al. 1999		18	
Dodds et al. 1997		7	Mean biomass, TN calculated from TP using Redfield Ratio
Dodds et al. 1997		17	Mean biomass, EPA criteria used for TN
Reference	**Recommended Criteria for TN (mg/L)**	**Periphyton Biomass**	**Notes**
Lohman et al. 1992	0.48	69	Mean biomass
Chetelat et al. 1999		51	
Dodds et al. 1997		52	Mean biomass, TP calculated with Redfield Ratio
Dodds et al. 1997		29	Mean biomass, Used EPA criteria for TP
Reference	**Recommended Criteria for NO_3+NO_2 (mg/L)**	**Mean Periphyton Biomass**	**Notes**
Biggs 2000	0.24	3	7 days between floods
		19	30 days between floods
		46	60 days between floods
For primary references, refer to NEIWPCC, 2001.			

Figure 6-1 Two Approaches for Finding Reference Condition Value for Total Phosphorus

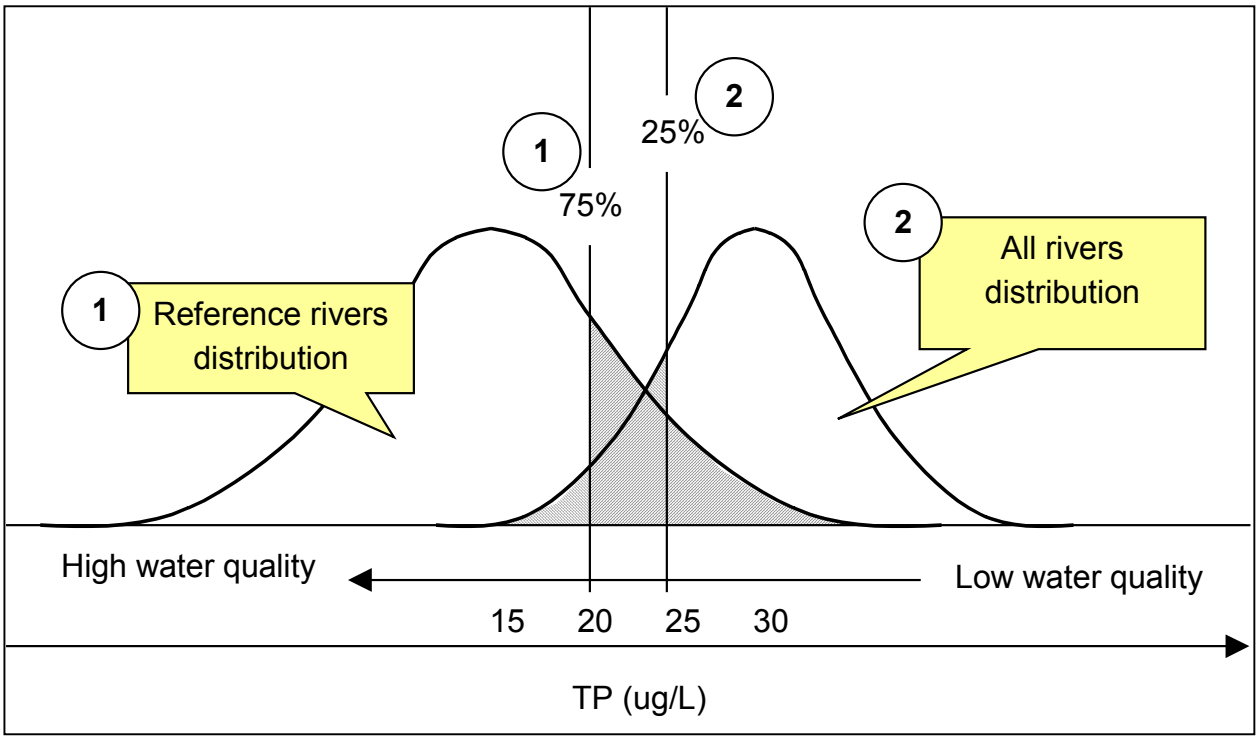


Figure 6-2 Distribution of TP in Reference, Test, and Impacted R/S in New England

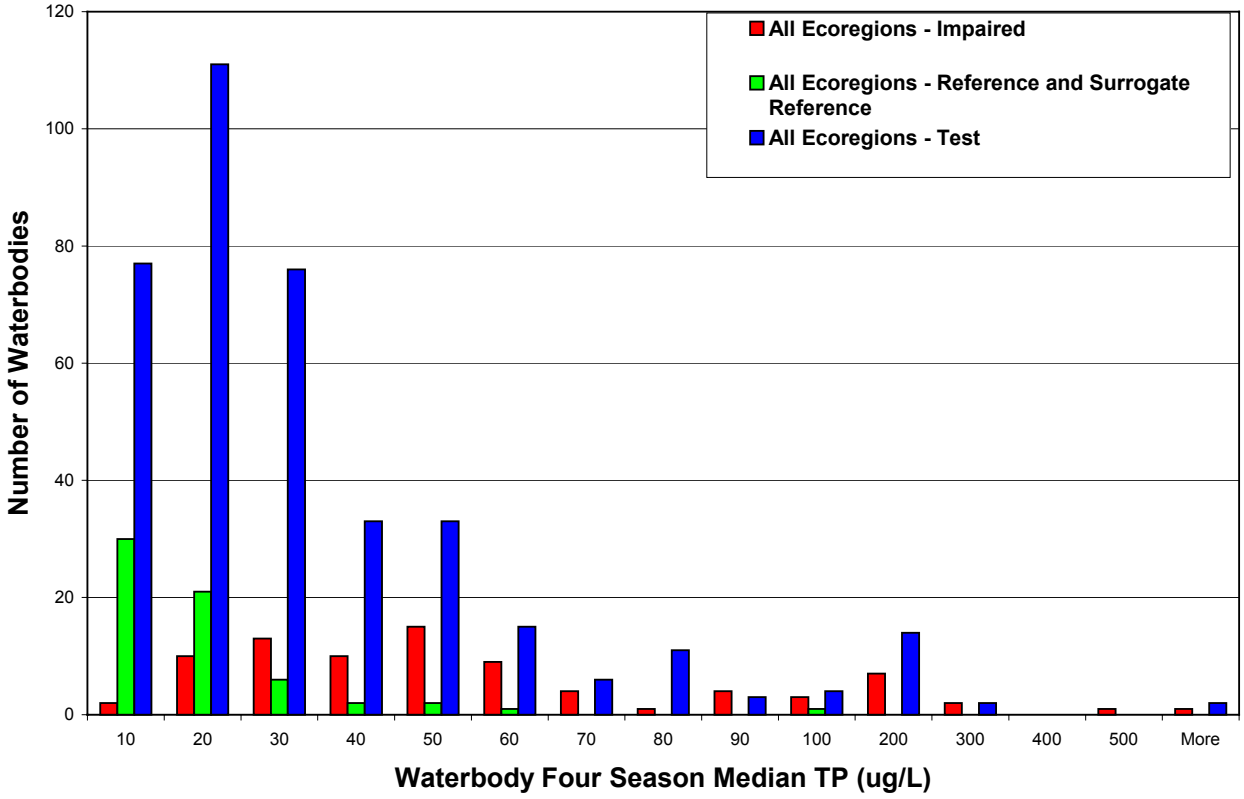


Figure 6-3 Distribution of TN in Reference, Test, and Impacted R/S in New England

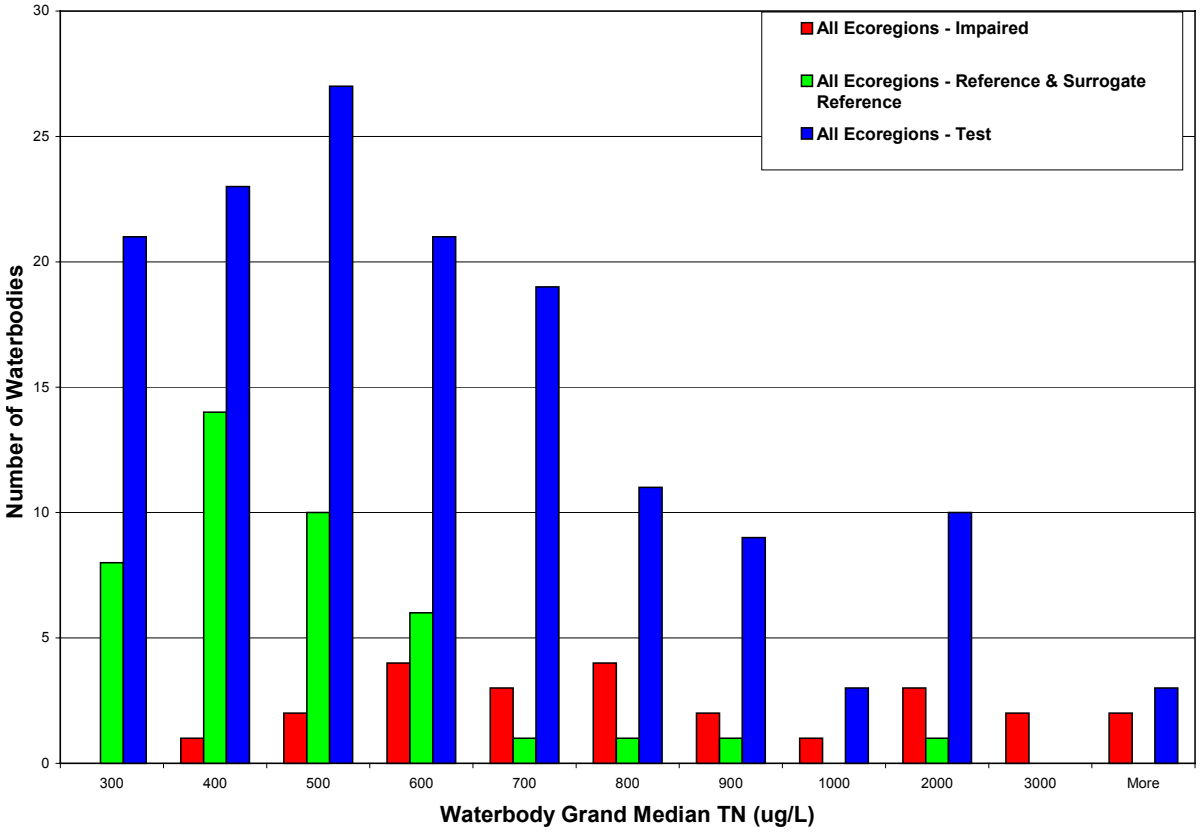


Figure 6-4 Relationship of TP and Watershed Size in New England Ecoregions

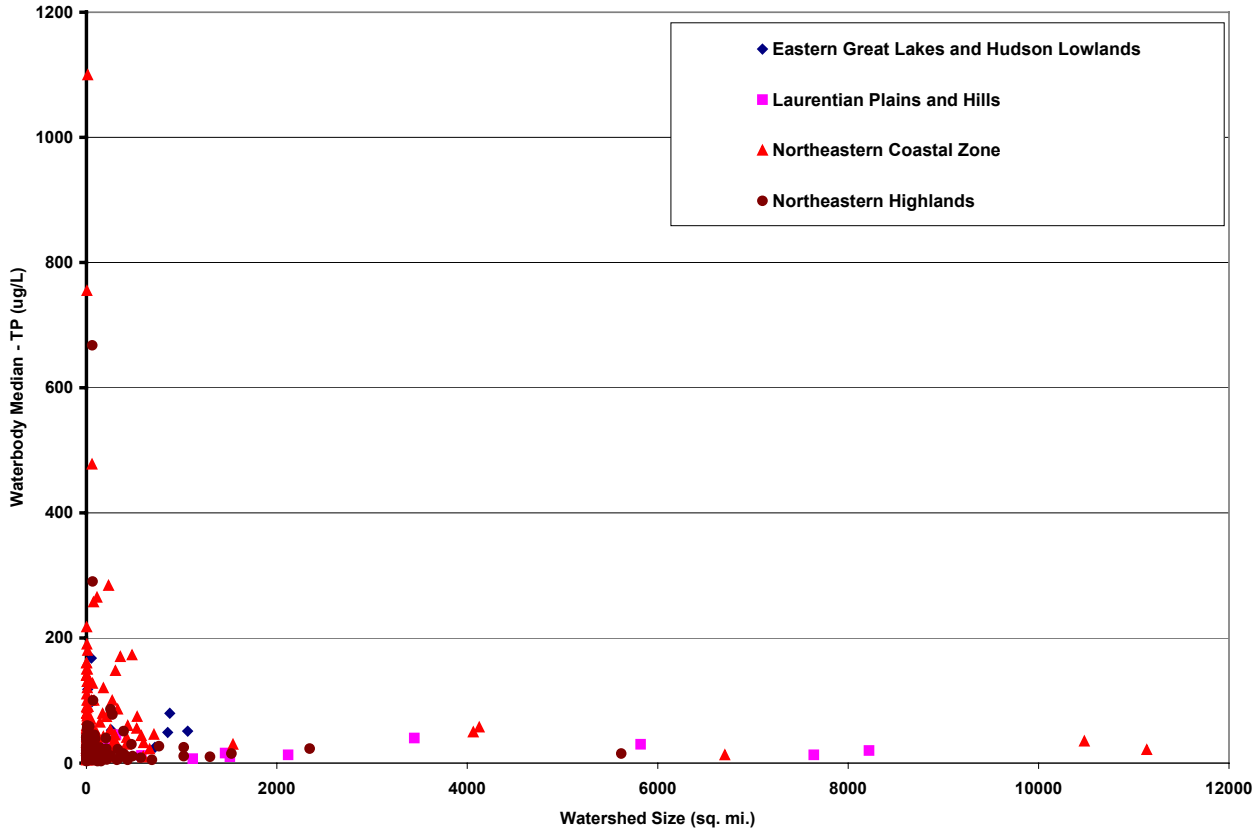


Figure 6-5 Relationship of TN and Watershed Size in New England Ecoregions

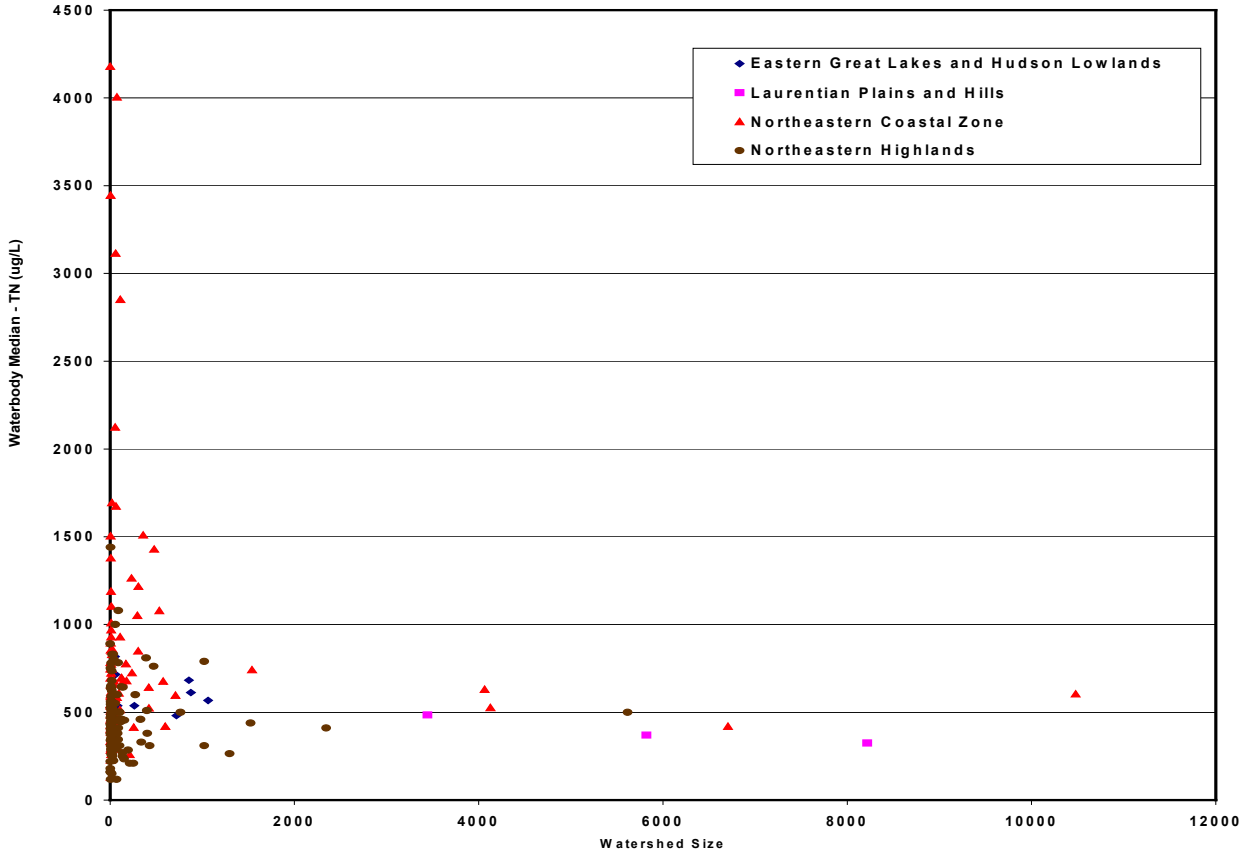


Figure 6-6 Relationship of TP and Watershed Size (Detail of Figure 6-4)

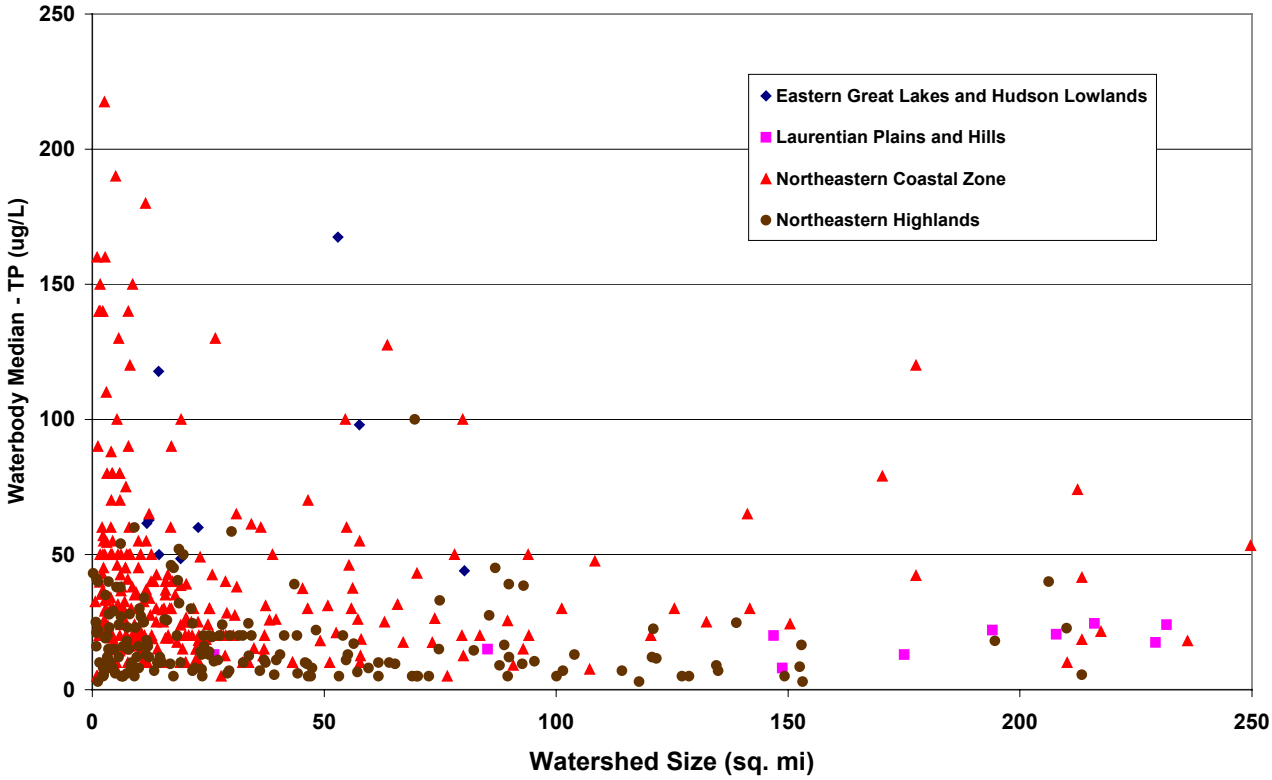


Figure 6-7 Median TP for Wadeable (Small) and Large Rivers – All NE Ecoregions

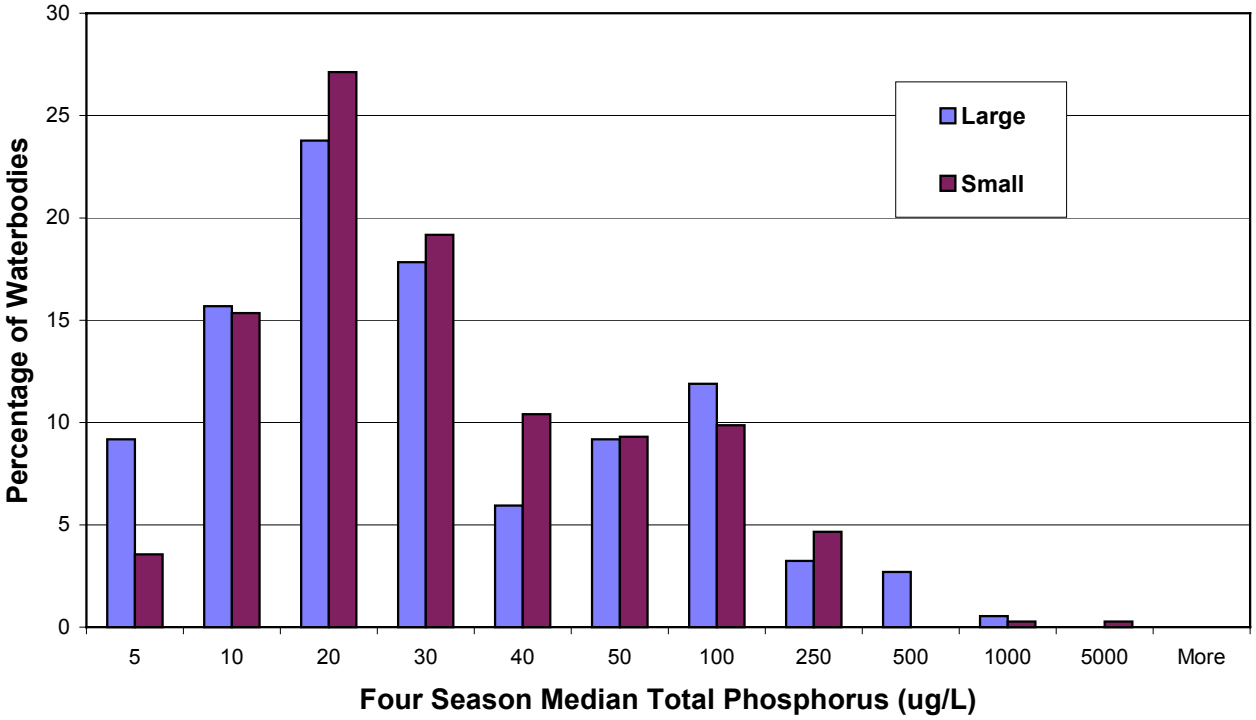


Figure 6-8 Median TN for Wadeable (Small) and Large Rivers – All NE Ecoregions

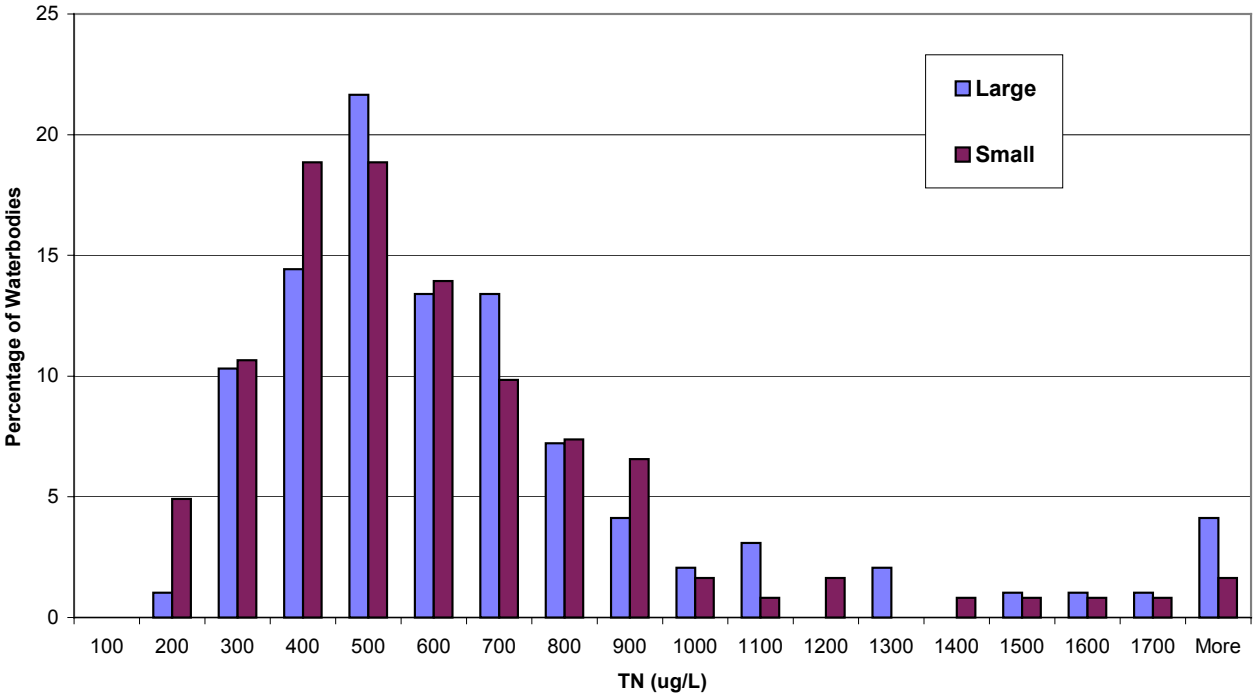


Figure 6-9 Median TP for Wadeable (Small) and Large Rivers – NECZ Ecoregion

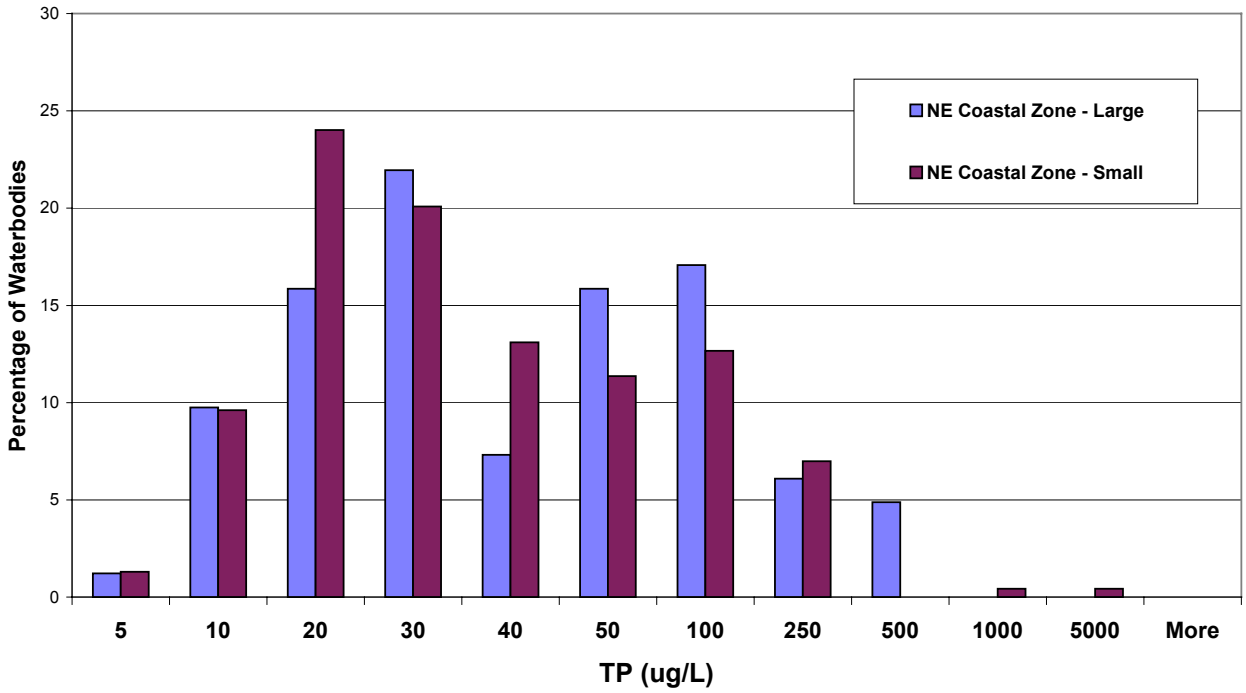


Figure 6-10 Median TN for Wadeable (Small) and Large Rivers – NECZ Ecoregion

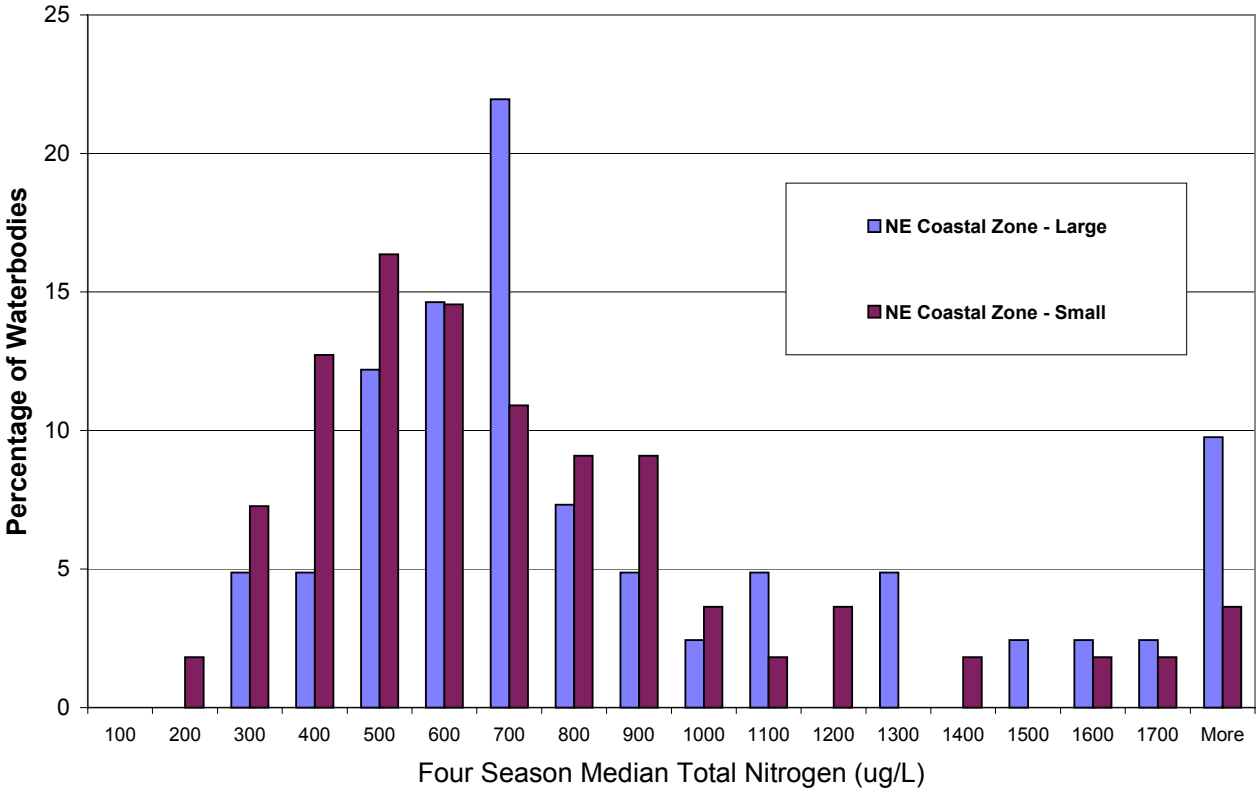


Figure 6-11 Median TP for Water Quality Stations Along the Connecticut River

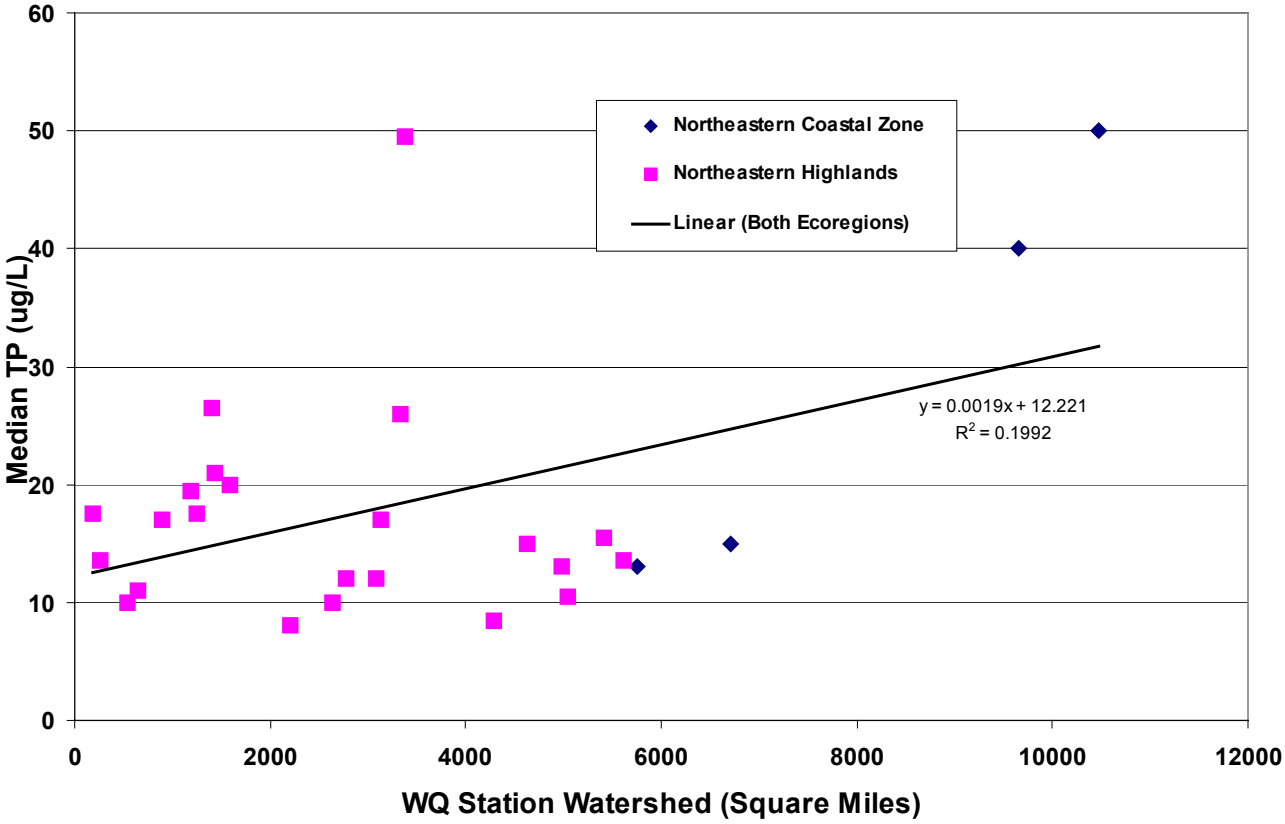


Figure 6-12 Median TP for Water Quality Stations Along the Merrimack River

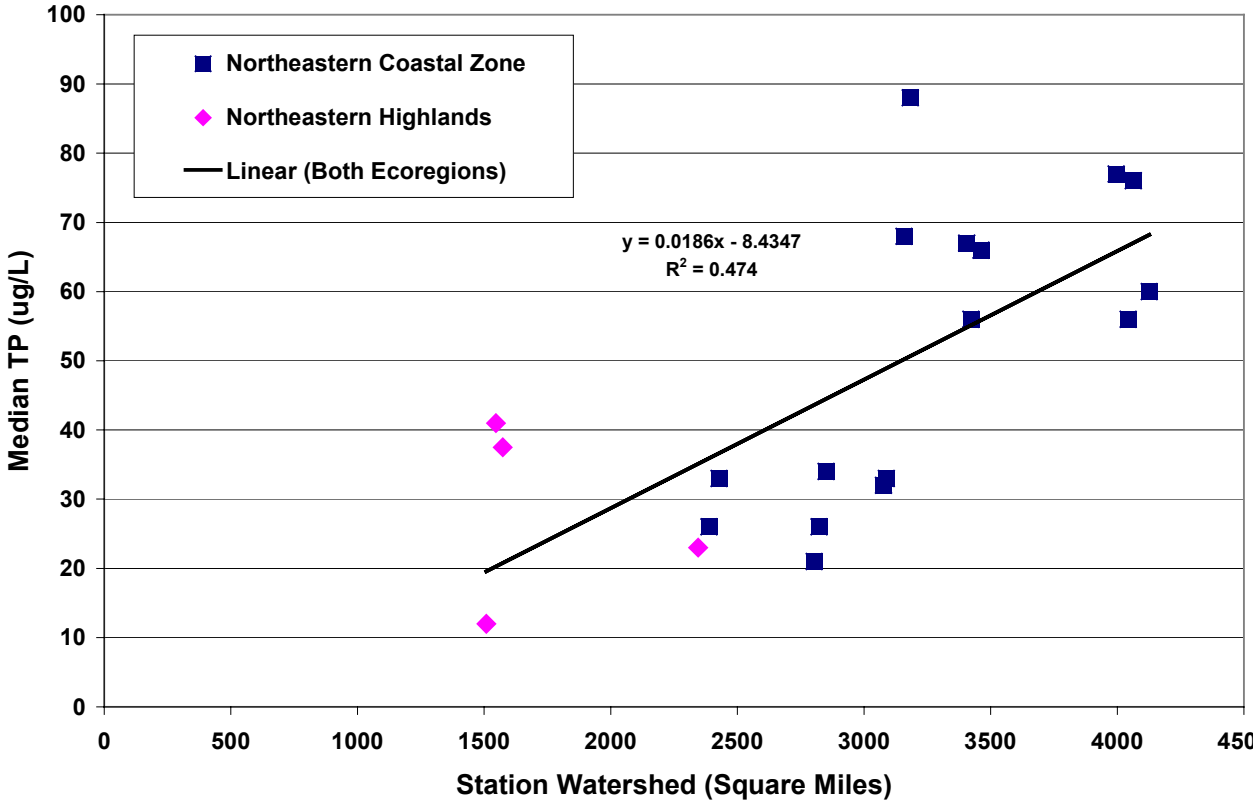


Figure 6-13 Median TP as a Function of Percent Urban Area – All NE Ecoregions

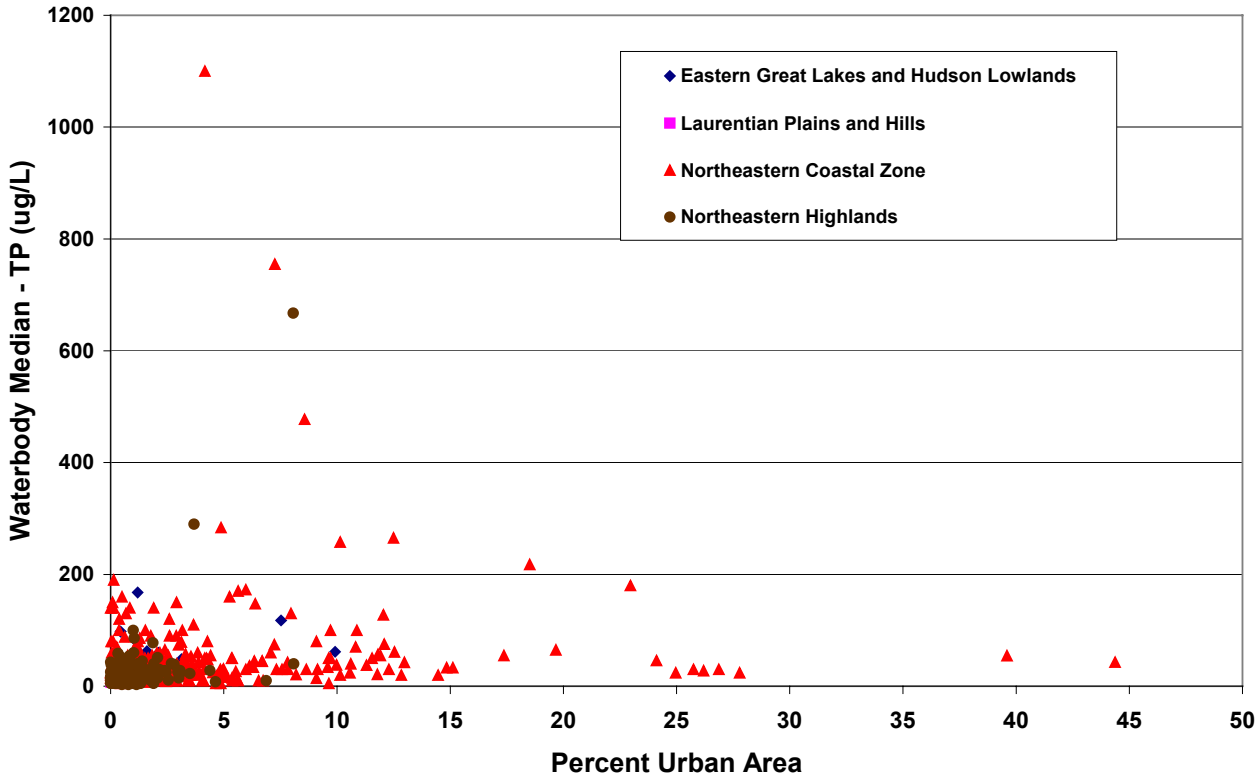


Figure 6-14 Median TN as a Function of Percent Urban Area – All NE Ecoregions

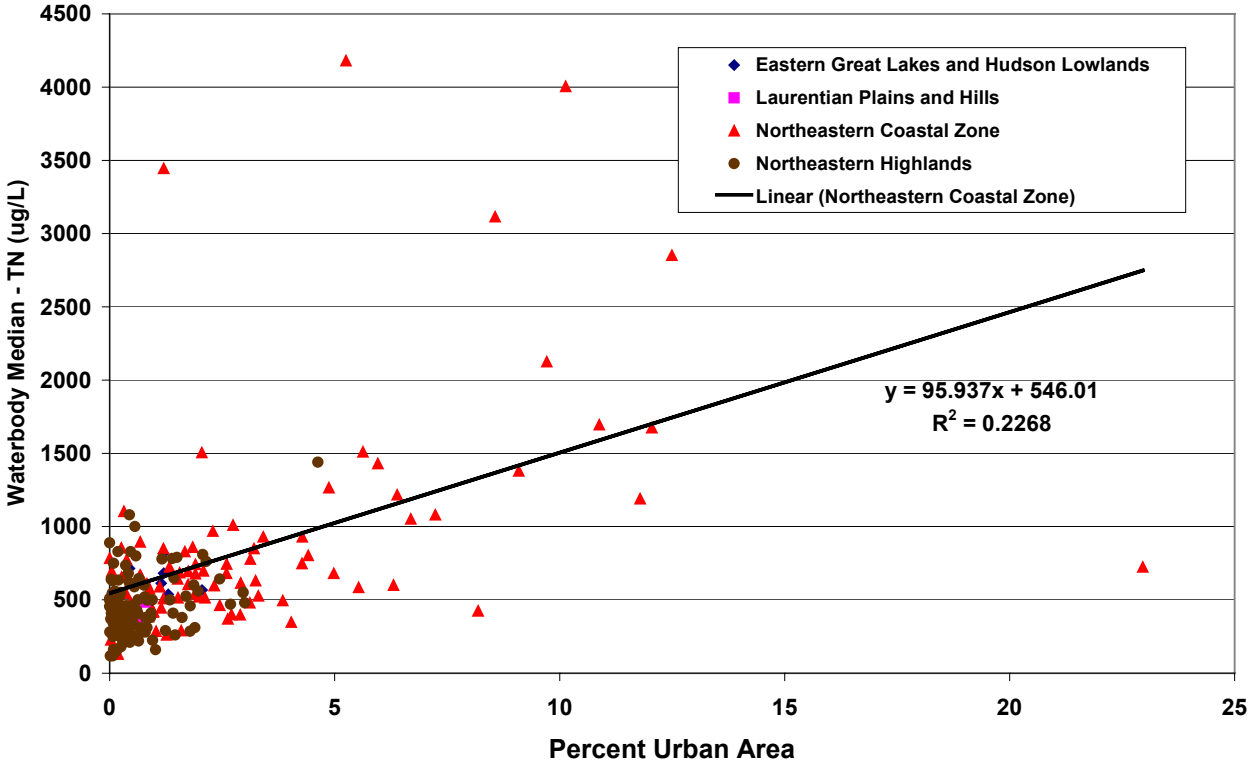


Figure 6-15 Median TN as a Function of Percent Agricultural – All NE Ecoregions

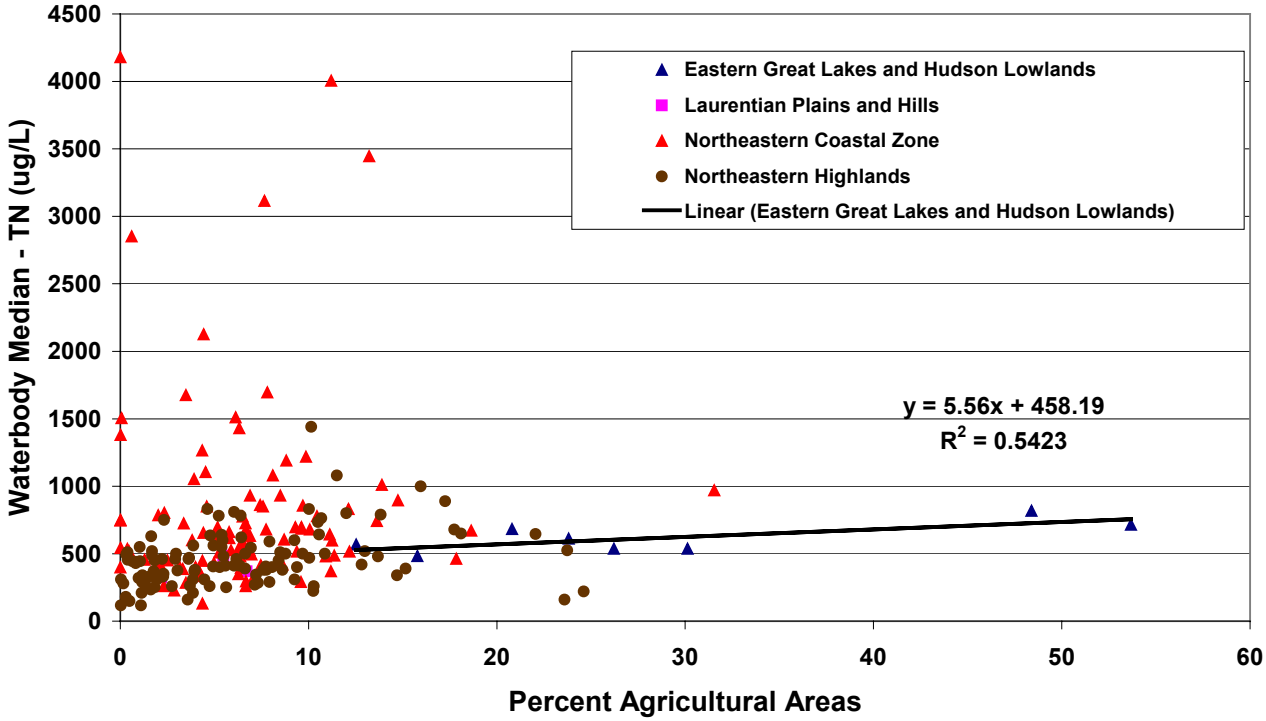


Figure 6-16 TP and Benthic Macroinvertebrate Biocriteria Scores – Connecticut and Vermont

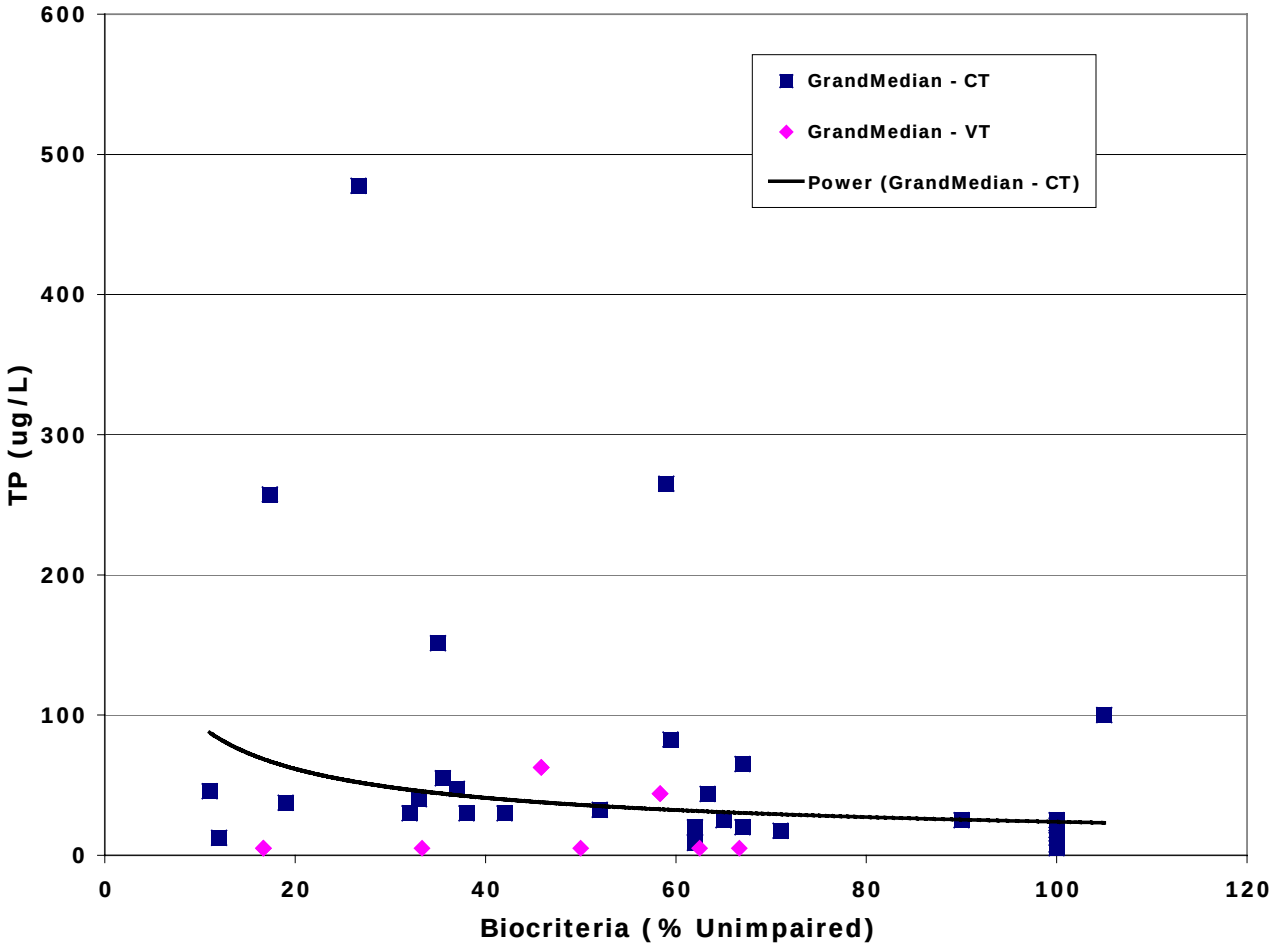
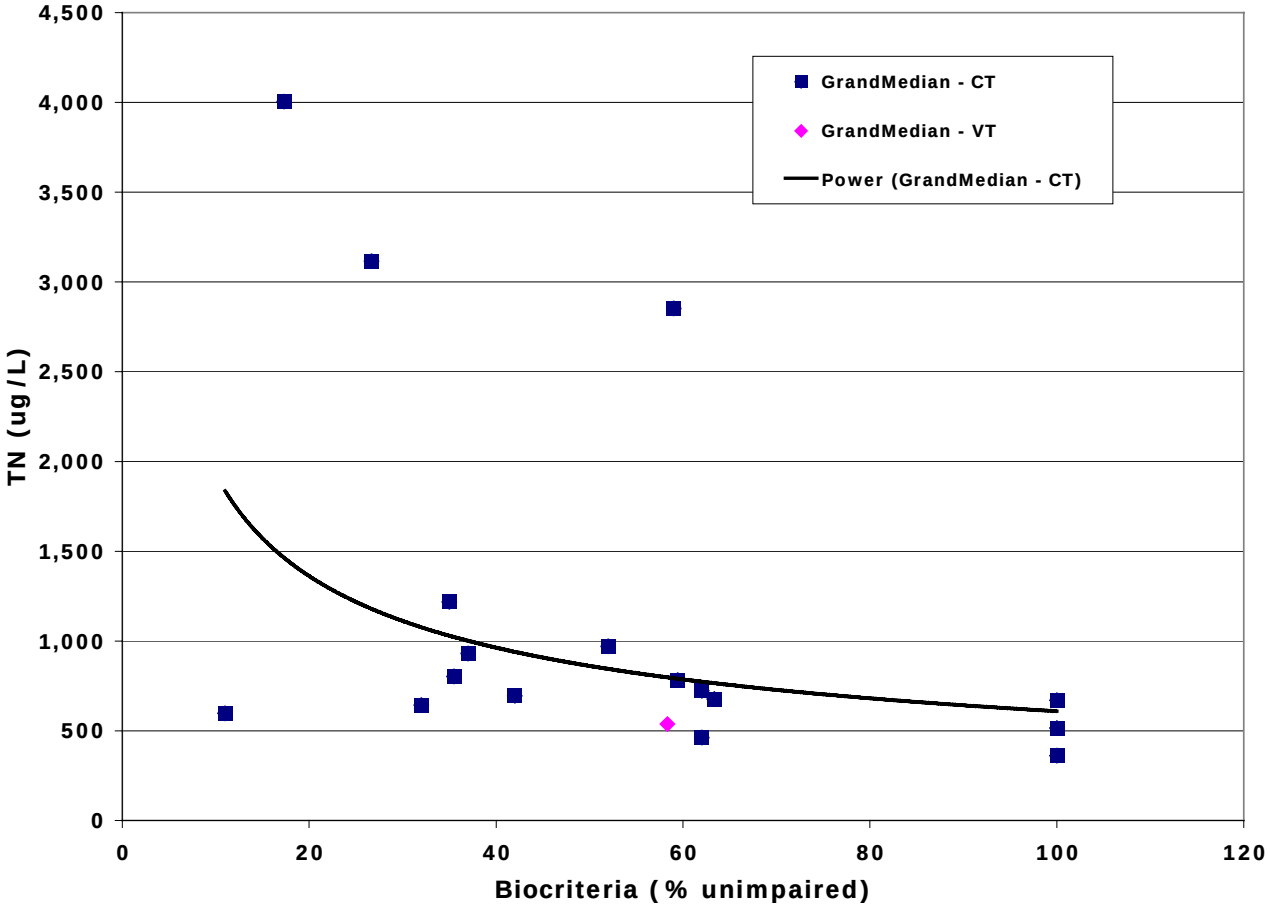


Figure 6-17 TN and Benthic Macroinvertebrate Biocriteria Scores – Connecticut and Vermont



7.0 OUTSTANDING ISSUES

During the course of the development of the NE R/S Nutrient Database and the development of preliminary draft nutrient criteria, numerous issues were identified regarding the procedures, protocols or assumptions used. Many of these issues were raised in discussion with the RTAG meetings, or through communication with individual RTAG members or state experts. In some cases, issues were identified that were not fully resolved and which may need further investigation as the regional nutrient criteria are developed. In many cases, these issues concern alternative procedures or assumptions that reflect different approaches used by New England states to collect or analyze data.

These issues may be broadly categorized into two areas of concern. The first area deals with concerns regarding the uncertainty associated with the data in the NE R/S Nutrient Database (Section 7.1) which is the basis for preliminary criteria identification. The second area of concern is the unresolved nature of addressing potential downstream impacts as part of the overall nutrient criteria application (Section 7.2).

7.1 Uncertainties Associated with Data in the NE R/S Nutrient Database

Several issues were identified with the selection of waterbodies, nutrient data, and other parameters that were incorporated into the NE R/S Nutrient Database. These issues are discussed further below.

7.1.1 Issues Associated with the Data Availability for NE Rivers and Streams

As noted earlier in the Technical Memorandum (ENSR, 1999), it was recognized at a very early stage that there were several limitations to development of the database due to:

- an uneven amount of nutrient and trophic-state related data available between the six New England States;
- the variable measured parameters in the databases provided by States, Tribes, federal agencies, and the academic community;
- the heterogeneous quality of the data, in terms of sampling effort, amount of supporting *metadata*, analytical precision, and analytical accuracy; and
- the uneven regional coverage of waterbodies, with a likely overrepresentation of rivers and streams in more densely populated areas and/or those with recognized water quality problems.

As noted in the Technical Memorandum (ENSR, 1999) and discussed in Section 5.3, the primary technical focus was the development of a nutrient database that was sufficient to support preliminary

development of draft criteria. Based on comparison to *a priori* target goals for waterbodies, ENSR concluded that only the number of rivers and streams available for the NECZ and NEH ecoregions exceeded the target goals. However, it was observed that the EGLHL ecoregion was adequately populated with rivers and streams relative to its very limited spatial extent in New England, while the LPH ecoregion waterbodies were underrepresented, apparently due to a limited number of observations from sparsely-populated watersheds.

It should also be noted that there were significant differences in the availability among nutrient data parameters for the same waterbody. This was particularly true in the case of chl *a* and SDT for most ecoregions. Further, most chlorophyll values were for water column phytoplankton and not for substrate periphyton, which is more appropriate for wadeable waterbodies. This lack of periphyton data for New England has been previously identified and attempts made to rectify this deficiency (e.g., Riskin et al., 2003).

Lastly, the availability of nutrient data for all seasonal quarters was also very variable. Due to the calculation protocol of the U.S. EPA to produce the all seasons median (U.S EPA, 2001), some of this uncertainty is translated into conservative assumptions (e.g., use of a minimum value when less than optimal number of medians available). This may lead to an under-representation of the true median value in waterbodies not well characterized over all four seasons.

Accordingly, the results and conclusions based on the NE R/S data must be interpreted in light of a less than optimal database. However, follow-up discussions and inquiries with RTAG agencies did not identify other readily available nutrient databases to overcome these data gaps. It is expected that as New England States become more systematic in the sampling of nutrients in lotic systems, these data deficiencies will lessen. In should be noted that many of the U.S. EPA AWQA recommendations are based on similarly sparse data sets (U.S. EPA, 2000b; 2000c; 2001).

7.1.2 Availability of Reference Waterbodies

One of the uncertainties associated with the use of the NE R/S Nutrient Database to calculate ecoregional-specific criteria was the general lack of identified reference rivers or streams. As noted in Section 5.3, only 20 streams were identified in three states – Connecticut, New Hampshire, and Vermont – mostly on the basis of biocriteria. This is in contrast to the NE Lake/Pond/Reservoir database, when all states participated in the identification of reference lakes (NEIWPCC, 2000).

To evaluate the potential distribution of reference locations, ENSR chose to identify surrogate reference waterbodies, based on land use characteristics (Section 6.2.1). While we feel this is an appropriate method and is based on precedents in other applications (e.g., Rohm et al., 2002), it does represent another source of uncertainty, as reliance only on watershed characteristics does not take into account any localized discharges or site-specific factors that may have adversely affected the nutrient levels. However, we believe it has merit to provide a temporary means to identify non-

impacted watersheds. Future riverine monitoring by the New England States, or coordination with other programs (e.g., biocriteria), may resolve this issue.

7.2 Consideration of Downstream Impacts

The need to consider the potential impact to downstream resources, in addition to protection of in-stream aquatic resources at particular site, was an area of much discussion in the RTAG meetings. This is because U.S. EPA has developed clear guidance for establishing nutrient criteria, (e.g., reference conditions), but has provided little guidance on accounting for downstream uses in the adjustment of said nutrient criteria. EPA's regulations at CFR Part 131.10(b) require that in "*designating uses of a waterbody and the appropriate criteria for those uses, the State shall take into consideration the water quality standards of downstream waters and shall ensure that its water quality standards provide for the attainment and maintenance of the water quality standards of downstream waters*."

EPA (2000a) defines "downstream" as the distance where nitrogen and phosphorus can reasonably be treated as conservative pollutants (i.e., removal from the system does not occur). For example, criteria established for protection of tributary streams should also take into account the nutrient level necessary to protect the receiving lake. If criteria are set as reference conditions representing minimally impacted conditions, it is presumed that downstream use, no matter how far downstream, would also be protected. But site-specific effects-based criteria may protect uses in one type of water body (e.g., a wadeable stream), but not in another downstream water body type (e.g., a lake or impoundment along a river).

Discussions with states and other stakeholders have highlighted that it is difficult to account for downstream uses due to the variability in the types of streams and reservoirs and also, in determining what is considered "*immediate*". For rivers and streams, this means that criteria should be derived to be protective of designated uses in the streams, while downstream uses would be separately accounted for as load reduction targets in a total maximum daily load (TMDL) calculation. The problem with this approach is that typically nutrient enrichment is managed after a problem is manifested; this approach may not prevent impairments downstream and thus may not be protective of downstream designated uses.

This issue was not resolved in the course of the RTAG meetings, nor is it clear how States intend to accommodate this concern in their nutrient criteria implementation plans. This issue is also made more complex in the case of interstate rivers, where exceedance and potential impacts may be registered under a different set of State nutrient criteria. This may lead to the requirement of an interstate TMDL to address the root causes of the eutrophication.

The area of downstream effects is one that will likely require considerable additional dialogue and consensus among the NE states and federal agencies before resolution is approached.

8.0 SUMMARY

Water quality data, geographic characteristics, and watershed information were collected from over 2,100 rivers and streams in New England as part of the "Collection and Evaluation of Ambient Nutrient Data" Project, Phase 3 (Section 1.0). The primary source of information was from electronic data files obtained from various state and federal agencies, Tribal nations, and academic institutions (Section 2.0). A relational database was designed and implemented in Microsoft Access97® to accumulate and manipulate the extensive amount of available electronic data (Section 3.0).

Review of the initial data collection for four key trophic parameters (TP, TN, chl *a*, SDT) indicated that these were not available for a majority of the waterbodies (Section 4.0). Subsequently, the data was refined to focus on waterbodies with available trophic parameter data to produce the final New England Rivers and Streams (NE R/S) Nutrient Database. The final Nutrient Database, with 569 rivers and streams represented, was used to develop and investigate potential ecoregional nutrient criteria in four EPA Level III ecoregions (EGLHL, LPH, NECZ, NEH). The majority of these waterbodies were represented by data from one or two water quality stations; while 20 waterbodies with stations in more than one state were identified. Water quality data for the waterbodies was summarized using the U.S. EPA protocol (U.S. EPA, 2001) for calculating both seasonal and "all seasons" median values as representative statistical measures.

The NE R/S Nutrient Database was analyzed and its general characteristics described (Section 5.0). Comparison was made between the number of waterbodies and water quality data in the four ecoregions Based on the review, it appeared that additional information would be desirable for waterbodies in the EGLHL and LPH ecoregions. However, considering the small spatial coverage of the EGLHL ecoregion in New England and the potential lack of additional water quality data for rivers and streams in the sparsely populated LPH region, the available data was deemed sufficient for initial analyses. The ecoregion-specific distribution of the trophic parameters were further examined and described, indicating some underlying differences between ecoregions that likely reflect differences in typical watershed land uses.

A variety of potential approaches for developing preliminary draft regional nutrient criteria were explored (Section 6.0); including derivation of numeric criteria using the Statistical Approach with datasets from both "reference" and all waterbodies (Section 6.2); evaluating the effect of watershed size on nutrient levels (Section 6.3); evaluating the effect of watershed land use on nutrient levels (Section 6.4); and evaluating the effect of nutrients on designated uses (Section 6.5). The latter approach included consideration of nutrient impacts to benthic macroinvertebrates and periphyton biomass. New England states may wish to use some of the approaches in derivation of a numeric criteria for nutrients, particularly those based on a "weight-of-evidence" approach (Liebman, 1999).

Outstanding issues were identified that must be further discussed and consensus reached during the development of a regional approach to nutrient criteria (Section 7.0). These included the availability of

nutrient data among ecoregions, parameters and seasons; the identification of reference waterbodies, and the need to consider downstream effects as part of a watershed-based nutrient criterion or TMDL approach.

9.0 REFERENCES

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APPENDIX A

DATA SOURCES

Development of Nutrient Criteria - Review of Electronic Data Sources

State (if applicable): Connecticut
Agency: Department of Environmental Protection
Primary Contact: Michael Beauchene
Phone or e-mail: mike.beauchene@po.state.ct.us

Quality Assurance Checklist: Each data notation should include the following metadata information

I. Location and Description of Waterbody

		Comment:
Waterbody Name:	X	
Ecoregion:		
State:	X	
County:		
City/Town:	X	
Locale Type:		
Watershed or USGS HUC:		
Latitude:	X	
Longitude:	X	
River Reach/Mile or Stream Reach:		
Size of Waterbody:		
Salinity Condition (e.g. freshwater):		
Type of Waterbody (e.g. lake or reservoir):	X	
(Rivers) Waterbody Subtype:		
Average Depth of water:		
Maximum Depth of Water:		
Average width or diameter:		
Area in acres:		
Hydraulic Residence (or Flushing Rate)		
Stream Flow		
Velocity		
Human Impact to Shore:		
Human Impact on Watershed:		
Point Source:		
Non-Point Source:		
Description of Riparian Zone:		

II. Sampling Site Description

Water Depth:		
Sample Depth (location in Water Column):		
Depth Units:		
Station:	X	
Distance from Shore Sampling Code (A-F):		
Sampling Date & Time:	X	
Qualifiers:		

III. Source of data

Name of Contact:		
Agency Conducting the Study :		
Phone Number/ E-mail for Contact:		
Laboratory:		
Analysis Method :		
Sampling Method (Composite/Grab):		
Detection Limits:	X	Minimum detection limit

IV. Water quality data

Parameters: N, Organic; NH3-N; NO2-N; NO3-N; TKN; TP

State (if applicable): NA - National
Agency: EPA-EMAP
Primary Contact: Stephen Hale
Phone or e-mail: Hale.Stephen@epamail.epa.gov

Quality Assurance Checklist: Each data notation should include the following metadata information

I. Location and Description of Waterbody

		Comment:
Waterbody Name:	X	
Ecoregion:		
State:	X	
County:		
City/Town:		
Locale Type:		
Watershed or USGS HUC:	X	
Latitude:	X	
Longitude:	X	
River Reach/Mile or Stream Reach:		
Size of Waterbody:		
Salinity Condition (e.g. freshwater):		
Type of Waterbody (e.g. lake or reservoir):		
(Rivers) Waterbody Subtype:		
Average Depth of water:		
Maximum Depth of Water:		
Average width or diameter:		
Area in acres:		
Hydraulic Residence (or Flushing Rate)		
Stream Flow		
Velocity		
Human Impact to Shore:		
Human Impact on Watershed:		
Point Source:		
Non-Point Source:		
Description of Riparian Zone:		

II. Sampling Site Description

Water Depth:		
Sample Depth (location in Water Column):		
Depth Units:		
Station:	X	
Distance from Shore Sampling Code (A-F):		
Sampling Date & Time:	X	
Qualifiers:		

III. Source of data

Name of Contact:		
Agency Conducting the Study :		
Phone Number/ E-mail for Contact:		
Laboratory:		
Analysis Method :		
Sampling Method (Composite/Grab):		
Detection Limits:		

IV. Water quality data

Parameters: Alkalinity, acid neutralizing capacity, chla, color, conductivity, NH4, NO3, secchi disk transparency, SO4, TN, TP, TSS, turbidity.

Development of Nutrient Criteria - Review of Electronic Data Sources

State (if applicable): Massachusetts
Agency: Acid Rain Monitoring Project
Primary Contact: Paul Godfrey
Phone or e-mail: godfrey@tei.umass.edu

Quality Assurance Checklist: Each data notation should include the following metadata information

I. Location and Description of Waterbody

		Comment:
Waterbody Name:	X	
Ecoregion:		
State:	X	
County:	X	
City/Town:	X	
Locale Type:		
Watershed or USGS HUC:		
Latitude:	X	
Longitude:	X	
River Reach/Mile or Stream Reach:		
Size of Waterbody:		
Salinity Condition (e.g. freshwater):		
Type of Waterbody (e.g. lake or reservoir):	X	
(Rivers) Waterbody Subtype:		
Average Depth of water:		
Maximum Depth of Water:		
Average width or diameter:		
Area in acres:		
Hydraulic Residence (or Flushing Rate)		
Stream Flow		
Velocity		
Human Impact to Shore:		
Human Impact on Watershed:		
Point Source:		
Non-Point Source:		
Description of Riparian Zone:		

II. Sampling Site Description

Water Depth:		
Sample Depth (location in Water Column):		
Depth Units:		
Station:	X	
Distance from Shore Sampling Code (A-F):		
Sampling Date & Time:	X	
Qualifiers:		

III. Source of data

Name of Contact:		
Agency Conducting the Study :		
Phone Number/ E-mail for Contact:		
Laboratory:		
Analysis Method :		
Sampling Method (Composite/Grab):		
Detection Limits:		

IV. Water quality data

Parameters: Alkalinity, NO3, pH, SO4.

Development of Nutrient Criteria - Review of Electronic Data Sources

State (if applicable): Maine
Agency: Department of Environmental Protection
Primary Contact: Paul Mitnik
Phone or e-mail: Paul.Mitnik@maine.gov

Quality Assurance Checklist: Each data notation should include the following metadata information

I. Location and Description of Waterbody

		Comment:
Waterbody Name:	X	
Ecoregion:		
State:		
County:	X	
City/Town:	X	
Locale Type:	X	
Watershed or USGS HUC:		
Latitude:	X	
Longitude:	X	
River Reach/Mile or Stream Reach:		
Size of Waterbody:		
Salinity Condition (e.g. freshwater):		
Type of Waterbody (e.g. lake or reservoir):		
(Rivers) Waterbody Subtype:		
Average Depth of water:		
Maximum Depth of Water:		
Average width or diameter:		
Area in acres:		
Hydraulic Residence (or Flushing Rate)		
Stream Flow		
Velocity		
Human Impact to Shore:		
Human Impact on Watershed:		
Point Source:		
Non-Point Source:		
Description of Riparian Zone:		

II. Sampling Site Description

Water Depth:		
Sample Depth (location in Water Column):		
Depth Units:		
Station:	X	
Distance from Shore Sampling Code (A-F):		
Sampling Date & Time:	X	
Qualifiers:		

III. Source of data

Name of Contact:		
Agency Conducting the Study :		
Phone Number/ E-mail for Contact:		
Laboratory:		
Analysis Method :		
Sampling Method (Composite/Grab):		
Detection Limits:		

IV. Water quality data

Parameters: Alkalinity, bacteria, BOD5, BOD60, CBOD, CCHLA, CHLA, CHLB, CHLC, color, conductivity, DO, NBOD, NH3, NO2+NO3, NOX, pH, phaeophyton, PO4-P, Q, secchi disk transparency, TBOD, temperature, TKN, TP.

Development of Nutrient Criteria - Review of Electronic Data Sources

State (if applicable): New Hampshire
Agency: EPA, MODERNIZED STORET
Primary Contact: Anonymous for EPA; Gregg Comstock for NHDES
Phone or e-mail: STORET@epa.gov; gcomstock@des.state.nh.us

Quality Assurance Checklist: Each data notation should include the following metadata information

I. Location and Description of Waterbody

		Comment:
Waterbody Name:	X	
Ecoregion:		
State:	X	
County:		
City/Town:	X	
Locale Type:	X	
Watershed or USGS HUC:		
Latitude:	X	
Longitude:	X	
River Reach/Mile or Stream Reach:		
Size of Waterbody:		
Salinity Condition (e.g. freshwater):		
Type of Waterbody (e.g. lake or reservoir):		
(Rivers) Waterbody Subtype:		
Average Depth of water:		
Maximum Depth of Water:		
Average width or diameter:		
Area in acres:		
Hydraulic Residence (or Flushing Rate)		
Stream Flow		
Velocity		
Human Impact to Shore:		
Human Impact on Watershed:		
Point Source:		
Non-Point Source:		
Description of Riparian Zone:		

II. Sampling Site Description

Water Depth:		
Sample Depth (location in Water Column):		
Depth Units:		
Station:	X	
Distance from Shore Sampling Code (A-F):		
Sampling Date & Time:	X	Both date and time
Qualifiers:	X	

III. Source of data

Name of Contact:		
Agency Conducting the Study :		
Phone Number/ E-mail for Contact:		
Laboratory:		
Analysis Method :		
Sampling Method (Composite/Grab):	X	
Detection Limits:	X	

IV. Water quality data

Parameters: Alkalinity, aluminum, arsenic, BOD, BOD-UC, cadmium, calcium, chl-a, chloride, shromium, COD, copper, DO, DOS, Enterococcus, Eschericia coli, flow, gen_obs, hardness, iron, lead, manganese, nickel, Kjeldahl-N, NH3-N, NO3-N, pH, secchi disk transparency,selenium, specific conductance, fecal Streptococcus, sulfate, air temperature, water temperature, total coliform, total fecal coliform, TP, TS, TSS, turbidity, water appearance, weather comments, zinc.

Development of Nutrient Criteria - Metadata Review for Data Completeness

State (if applicable): Maine
Agency: Penobscot Indian Nation
Primary Contact: Dan Kusnierz
Phone or e-mail: pinwater@penobscotnation.org

Quality Assurance Checklist: Each data notation should include the following metadata information

I. Location and Description of Waterbody

		Comment:
Waterbody Name:	X	
Ecoregion:		
State:	X	
County:		
City/Town:		
Locale Type:	X	
Watershed or USGS HUC:		
Latitude:		
Longitude:		
River Reach/Mile or Stream Reach:		
Size of Waterbody:		
Salinity Condition (e.g. freshwater):		
Type of Waterbody (e.g. lake or reservoir):		
(Rivers) Waterbody Subtype:		
Average Depth of water:		
Maximum Depth of Water:		
Average width or diameter:		
Area in acres:		
Hydraulic Residence (or Flushing Rate)		
Stream Flow		
Velocity		
Human Impact to Shore:		
Human Impact on Watershed:		
Point Source:		
Non-Point Source:		
Description of Riparian Zone:		

II. Sampling Site Description

Water Depth:		
Sample Depth (location in Water Column):		
Depth Units:		
Station:	X	
Distance from Shore Sampling Code (A-F):		
Sampling Date & Time:	X	Date only
Analysis Date:		

III. Source of data

Name of Contact:	
Agency Conducting the Study :	
Phone Number/ E-mail for Contact:	
Laboratory:	
Analysis Method :	
Sampling Method (Composite/Grab):	
Detection Limits:	

IV. Water quality data

Parameters: Chl-a, conductivity, DOC, NH3, NO2, NO3, secchi disk transparency, temperature, TN, TP, TSS, turbidity.

Development of Nutrient Criteria - Review of Electronic Data Sources

State (if applicable): Rhode Island
Agency: Department of Environmental Management
Primary Contact: Connie Carey
Phone or e-mail: ccarey@doa.state.ri.us

Quality Assurance Checklist: Each data notation should include the following metadata information

I. Location and Description of Waterbody

		Comment:
Waterbody Name:	X	River name and ID
Ecoregion:		
State:	X	Inferred from source
County:		
City/Town:		
Locale Type:		
Watershed or USGS HUC:	X	Basin name
Latitude:	X	
Longitude:	X	
River Reach/Mile or Stream Reach:		
Size of Waterbody:		
Salinity Condition (e.g. freshwater):		
Type of Waterbody (e.g. lake or reservoir):		
(Rivers) Waterbody Subtype:		
Average Depth of water:		
Maximum Depth of Water:		
Average width or diameter:		
Area in acres:		
Hydraulic Residence (or Flushing Rate)		
Stream Flow		
Velocity		
Human Impact to Shore:		
Human Impact on Watershed:		
Point Source:		
Non-Point Source:		
Description of Riparian Zone:		

II. Sampling Site Description

Water Depth:		
Sample Depth (location in Water Column):		
Depth Units:		
Station:	X	Station name and location
Distance from Shore Sampling Code (A-F):		
Sampling Date & Time:	X	Date only
Qualifiers:		

III. Source of data

Name of Contact:		
Agency Conducting the Study :		
Phone Number/ E-mail for Contact:		
Laboratory:		
Analysis Method :		
Sampling Method (Composite/Grab):		
Detection Limits:	X	

IV. Water quality data

Parameters: Conductivity, DO, NH3, NO2+NO3-D, NO3, NO3-D, pH, temperature, TP, TSS

Development of Nutrient Criteria - Metadata Review for Data Completeness

State (if applicable): RI
Agency: USGS
Primary Contact:
Phone or e-mail:

Quality Assurance Checklist: Each data notation should include the following metadata information

I. Location and Description of Waterbody

		Comment:
Waterbody Name:	X	
Ecoregion:		
State:	X	
County:		
City/Town:		
Locale Type:		
Watershed or USGS HUC:		
Latitude:	X	
Longitude:	X	
River Reach/Mile or Stream Reach:		
Size of Waterbody:		
Salinity Condition (e.g. freshwater):		
Type of Waterbody (e.g. lake or reservoir):		
(Rivers) Waterbody Subtype:		
Average Depth of water:		
Maximum Depth of Water:		
Average width or diameter:		
Area in acres:		
Hydraulic Residence (or Flushing Rate)		
Stream Flow		
Velocity		
Human Impact to Shore:		
Human Impact on Watershed:		
Point Source:		
Non-Point Source:		
Description of Riparian Zone:		

II. Sampling Site Description

Water Depth:		
Sample Depth (location in Water Column):		
Depth Units:		
Station:	X	
Distance from Shore Sampling Code (A-F):		
Sampling Date & Time:	x	Date only
Analysis Date:		

III. Source of data

Name of Contact:		
Agency Conducting the Study :		
Phone Number/ E-mail for Contact:		
Laboratory:		
Analysis Method :		
Sampling Method (Composite/Grab):		
Detection Limits:		

IV. Water quality data

Parameters: DO, NH3, NO2+NO3-D, NO3, NO3-D, pH, temperature, TP.

State (if applicable): NA - National
Agency: EPA, STORET
Primary Contact: Dan Parker
Phone or e-mail: PARKER.DAN@epamail.epa.gov

Quality Assurance Checklist: Each data notation should include the following metadata information

I. Location and Description of Waterbody

		Comment:
Waterbody Name:	X	
Ecoregion:		
State:	X	
County:	X	
City/Town:	X	
Locale Type:	X	
Watershed or USGS HUC:	X	
Latitude:	X	
Longitude:	X	
River Reach/Mile or Stream Reach:		
Size of Waterbody:		
Salinity Condition (e.g. freshwater):		
Type of Waterbody (e.g. lake or reservoir):		
(Rivers) Waterbody Subtype:		
Average Depth of water:		
Maximum Depth of Water:		
Average width or diameter:		
Area in acres:		
Hydraulic Residence (or Flushing Rate)		
Stream Flow	X	
Velocity		
Human Impact to Shore:		
Human Impact on Watershed:		
Point Source:		
Non-Point Source:		
Description of Riparian Zone:		

II. Sampling Site Description

Water Depth:		
Sample Depth (location in Water Column):	X	
Depth Units:		Not in electronic file
Station:	X	Station ID and location description
Distance from Shore Sampling Code (A-F):		
Sampling Date & Time:	X	Both date and time
Qualifiers:		

III. Source of data

Name of Contact:	
Agency Conducting the Study :	
Phone Number/ E-mail for Contact:	
Laboratory:	
Analysis Method :	
Sampling Method (Composite/Grab):	
Detection Limits:	

IV. Water quality data

Parameters: DO, NH3+NH4, NO2, NO2+NO3, secchi disk transparency, temperature, TKN, TP, turbidity.

Development of Nutrient Criteria - Review of Electronic Data Sources

State (if applicable): Rhode Island
Agency: University of Rhode Island Watershed Watch
Primary Contact: Linda Green
Phone or e-mail: lgreen@uri.edu

Quality Assurance Checklist: Each data notation should include the following metadata information

I. Location and Description of Waterbody

		Comment:
Waterbody Name:	X	
Ecoregion:		
State:	X	
County:		
City/Town:		
Locale Type:		
Watershed or USGS HUC:		
Latitude:		
Longitude:		
River Reach/Mile or Stream Reach:		
Size of Waterbody:		
Salinity Condition (e.g. freshwater):		
Type of Waterbody (e.g. lake or reservoir):		
(Rivers) Waterbody Subtype:		
Average Depth of water:		
Maximum Depth of Water:		
Average width or diameter:		
Area in acres:		
Hydraulic Residence (or Flushing Rate)		
Stream Flow		
Velocity		
Human Impact to Shore:		
Human Impact on Watershed:		
Point Source:		
Non-Point Source:		
Description of Riparian Zone:		

II. Sampling Site Description

Water Depth:		
Sample Depth (location in Water Column):	X	For selected samples (others deep/shallow)
Depth Units:	X	Meters when available
Station:	X	Station ID and description
Distance from Shore Sampling Code (A-F):		
Sampling Date & Time:	X	Date only
Qualifiers:		

III. Source of data

Name of Contact:	
Agency Conducting the Study :	
Phone Number/ E-mail for Contact:	
Laboratory:	
Analysis Method :	
Sampling Method (Composite/Grab):	
Detection Limits:	

IV. Water quality data

Parameters: Chlorophyl-a, secchi disk transparency, TN, TP.

Development of Nutrient Criteria - Review of Electronic Data Sources

State (if applicable): Vermont
Agency: Department of Environmental Conservation
Primary Contact: Eric Smeltzer
Phone or e-mail: eric.Smeltzer@dec.anr.state.vt.us

Quality Assurance Checklist: Each data notation should include the following metadata information

I. Location and Description of Waterbody

		Comment:
Waterbody Name:	X	
Ecoregion:		
State:	X	
County:		
City/Town:		
Locale Type:		
Watershed or USGS HUC:	X	Basin ID
Latitude:	X	Coords in ddmmss
Longitude:	X	Coords in ddmmss
River Reach/Mile or Stream Reach:		
Size of Waterbody:		
Salinity Condition (e.g. freshwater):		
Type of Waterbody (e.g. lake or reservoir):		None. Inferred from name
(Rivers) Waterbody Subtype:		
Average Depth of water:		in meters
Maximum Depth of Water:		in meters
Average width or diameter:		
Area in acres:		Lake area in acres. Also basin area.
Hydraulic Residence (or Flushing Rate)		
Stream Flow	X	
Velocity		
Human Impact to Shore:		
Human Impact on Watershed:		
Point Source:		
Non-Point Source:		Landuse. Tributary data has nutrient loads
Description of Riparian Zone:		

II. Sampling Site Description

Water Depth:		
Sample Depth (location in Water Column):		Sampling depth provided
Depth Units:		No units indicated
Station:	X	Storet number provided.
Distance from Shore Sampling Code (A-F):		
Sampling Date & Time:	X	Both date and time
Qualifiers:		

III. Source of data

Name of Contact:		
Agency Conducting the Study :		
Phone Number/ E-mail for Contact:		
Laboratory:		
Analysis Method :	X	
Sampling Method (Composite/Grab):		
Detection Limits:		

IV. Water quality data

Parameters: Alkalinity, chl-a, DP, TCL, TN, TNOX, TP, TSS.

APPENDIX B

MAIN DATA TABLES

WATERBODY Table Structure

Key	Field Name	Data Type	Description
	Unique_NO	Number (Long)	Database waterbody sequence number
**	Waterbody_ID	Text	Unique waterbody identifier
	Waterbody_Name	Text	Waterbody name
	Waterbody_Type	Text	Waterbody type (link to table)
	Waterbody_Number	Text	Waterbody number in original source for data
	Waterbody_Description	Text	General description of waterbody
	State	Text	State
	Town	Text	Town
	County	Text	County
	Map	Text	Name of USGS quad map
	Lake_Elev	Number (Single)	Elevation of the lake (m)
	Coords_Latitude	Number (Double)	Latitude of lake center (decimal degrees)
	Coords_Longitude	Number (Double)	Longitude of lake center (decimal degrees)
	Epa_Ecoregion	Text	EPA Nutrient Ecoregion name
	Lake_Area	Number (Single)	Lake area (ha)
	Lake_Volume	Number (Single)	Lake volume (cu-m)
	Basin_Area	Number (Single)	Area of basin contributing to lake (ha)
	Lake_Max_Depth	Number (Single)	Lake maximum depth (m)
	Lake_Mean_Depth	Number (Single)	Lake mean depth (m)
	Runoff_Avg	Number (Single)	Average runoff
	Retention_Time	Number (Single)	Lake retention time (yrs)
	Wq_Classification	Text	Classification based on water quality
	Acidification_Cat	Text	Lake acidification category
	Lake_Size_Cat	Text	Lake size category (small, medium, large – as per EMAP)
	Lake_Trophic_Cat	Text	Lake trophic category (low, medium, high – as per EMAP)
	Lake_Population_Cat	Text	Lake population category (low, medium, high – as per EMAP)
	Geologic_Zone	Text	Name of geologic zone
	Tributary_Code	Text	River/stream tributary code
	Used	Text	Selected for refined database (yes/no)
	Scoring_Results	Number (Integer)	Scoring results for nutrient parameters (0-4)
	Designated Water Use	Text	Designated water use
	IMPAIRED_303d	Text	Listed on the 303d list
	WQEvaluation	Text	Qualitative general evaluation of water quality by state contacts
	Reference_Stats75	Text	Assessment based on 75th percentile from database (REF, TEST, IMP)
	Assessment	Text	Assessment by state contacts (REF, TEST, IMP)

Key	Field Name	Data Type	Description
	Assessment_Comments	Memo	Basis for the assessment
	Lu_Residential	Number (Double)	Residential land within 5 km buffer (%)
	Lu_Commercial	Number (Double)	Commercial land use within 5 km buffer (%)
	Lu_Barren	Number (Double)	Barren land fraction within 5 km buffer (%)
	Lu_Forested	Number (Double)	Forested land within 5 km buffer (%)
	Lu_Shrubland	Number (Double)	Shrubland land within 5 km buffer (%)
	Lu_Woody	Number (Double)	Woody land within 5 km buffer (%)
	Lu_Agricultural	Number (Double)	Agricultural land within 5 km buffer (%)
	Lu_Recreational	Number (Double)	Recreational land within 5 km buffer (%)
	Lu_Wetland	Number (Double)	Wetland land within 5 km buffer (%)
	Comments	Memo	General comments on waterbody

STATION Table Structure

Key	Field Name	Data Type	Description
**	Station_ID	Text	Database unique station identifier
	Waterbody_ID	Text	Waterbody (link to table)
	Location_Descrip	Memo	Brief description of location
	Latitude	Number (Double)	Latitude (decimal degrees)
	Longitude	Number (Double)	Longitude (decimal degrees)
	Elevation	Number (Double)	Elevation from MWL
	Locale_Type	Text	Type of locale (link to table)
	Locale_Name	Text	Town/city name
	County	Text	County name
	State	Text	State
	Agency_Station_ID	Text	Station ID used by monitoring agency
	Agency_Name	Text	Name of monitoring agency
	Station_Type	Text	Type of station
	Gis_Huc_Code	Text	Hydrologic Unit Code (8-digit) – from GIS
	Watershed_Name	Text	Name of watershed
	Waterbody_Subtype	Text	Waterbody subtype (link to table)
	Waterbody_Class	Text	Waterbody class
	Tributary_Code	Text	Tributary code
	Mileage	Number (Double)	River mile
	Rf3_Unit	Text	Reach File Unit
	Rf3_Code	Number (Integer)	Reach File Code
	Epa_Ecoregion	Text	EPA Nutrient Ecoregion name
	Riparian_Zone	Text	Riparian zone (link to table)
	Microecoregion	Text	50
	Human_Impact_Shoreline	Text	Human impact to shoreline (link to table)
	Point_Source_Impact	Text	Point source impact (link to table)
	Nonpoint_Source_Impact_ID	Text	Non-point source impact (link to table)
	Impact_Remarks	Text	Comments on impacts assessment
	Contact_Name	Text	Name of contact for station
	Contact_Phone	Text	Phone of contact for station
	Contact_Address	Text	Address of contact for station
	Flow_Mean	Number (Double)	Mean flow (7Q10)
	Data_Source	Text	Source of data for ancillary data on station
	Comments	Text	General comments on station

SAMPLE Table Structure

Key[1]	Field Name	Data Type	Description
	Sample_ID	Number (Long)	Sample ID database sequence number
**	Station_ID	Text	Station (link to Station table)
	Agency_SampleID	Text	Sample ID used by monitoring agency
	Agency_ID	Text	Monitoring agency
**	Sampling_Date	Date/Time	Sampling Date
**	Sampling_Time	Date/Time	Sampling Time (12:00 AM if missing)
**	Sampling_Method	Text	Sampling Method (link to table)
**	Sample_Type	Text	Sample type (link to table)
	Sampling_Conditions	Text	Sampling conditions (link to table)
**	Sample_Depth	Number (Double)	Depth of sample (-9999 if missing)
	WaterDepth	Number (Double)	Water depth at time of sampling
	DataSource	Text	Source the data was obtained from
	Comments	Text	Additional comments

[1] A combination of the StationID, Sampling Date, Sampling Time, Sampling Method, Sample Type, and Sample Depth fields is used to define a unique record.

WQDATA Table Structure

Key[1]	Field Name	Data Type	Description
	Wqdata_ID	Number (Long)	Database water quality data sequence number
**	SampleID	Number (Long)	Unique database sample ID
**	Parameter	Text	Parameter (link to table)
	Analysis_Date	Text	Date analyzed
	Analysis_Time	Text	Time analyzed
	Analysis_Method	Number (Long)	Analysis method (link to table)
	Analysis_Method_Remarks	Text	Remarks on analysis method
	Reported_Value	Number (Double)	Value reported
	Reported_Qualifier	Text	Qualifier (link to table)
	Unit_Of_Measure	Text	Unit
	Detection_Limit	Number (Double)	Reported detection limit
	Measurement_Uncertainty	Number (Double)	Uncertainty on measurement
	Data_Source	Text	Source the data was obtained from
	Comments	Text	General comment on the water quality data

[1] A combination of the SampleID and Parameter fields are used to define a unique record.

APPENDIX C

SUMMARY OF WATER QUALITY AND WATERSHED DATA FOR RIVERS AND STREAMS IN NEW ENGLAND

Guide to the Summary of Water Quality and Watershed Data for Rivers and Streams in the New England Nutrient Database

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
ASHUELOT RIVER, NH	NEH	WINCHESTER	385	Impacted

Agency Station ID: **07-ASH**
ENSR Station ID: **NHDES-07-ASH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	920	920	920	2	1993	1997	810	9	Su
TP	ug/L	38	123	75	3	1993	1997	51	9	Su
CHLA	ug/L									

ASHUELOT RIVER, NH	NEH	WINCHESTER	385	Impacted

Agency Station ID: **07A-ASH**
ENSR Station ID: **NHDES-07A-ASH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	970	970	970	1	1993	1993	810	9	Su
TP	ug/L	51	51	51	1	1993	1993	51	9	Su
CHLA	ug/L									

ASHUELOT RIVER, NH	NEH	WINCHESTER	385	Impacted

Agency Station ID: **08-ASH**
ENSR Station ID: **NHDES-08-ASH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	780	780	780	1	1997	1997	810	9	Su
TP	ug/L	42	89	66	2	1997	1997	51	9	Su
CHLA	ug/L									

This appendix provides a summary of TN, TP and CHL-A data from each water quality sampling station. A description of the information included in the summary follows:

Waterbody – Name of river or stream and state where sampling station is located.
Ecoregion – Level 3 Non-Aggregated Ecoregion.
Town – Town closest to sampling station.
Station Watershed Area – Watershed area for a sampling station. Data proveded by USGS SPARROW model.
River Status – A waterbody-wide designation. Status categories used were Impacted (based on a state agency designation or 303(d) listing for a nutrient-related impairment), Reference (based on a state agency designation) or Test (waterbodies not designated Impaired or Reference).
Agency Station ID – Sampling station identifier reported by the contributing agency.
ENSR Station ID – Primary sampling station identifier used in the New England Rivers and Streams Nutrient Database. ENSR Station ID was created from the agency name and Agency Station ID to prevent duplication of sampling station IDs when more than one agency used the same station ID.
Parameter – Total Nitrogen (TN), Total Phosphorus (TP) and Chlorophyll-a (CHLA). An asterisk (*) next to TN indicates that the TN value was calculated by ENSR from constituent parameters.
Unit – Unit of measure.
Min. – Minimum value reported reported for the parameter from the sampling station.

Max. – Maximum value reported reported for the parameter from the sampling station.
Avg. – Average value reported reported for the parameter from the sampling station.
Count – Number of samples reported for the parameter from the sampling station.
Years Sampled – Earliest (Min.) and latest (Max.) year that data was reported for the parameter from the sampling station.
River Grand Median – A waterbody-wide median (Median) value for the parameter. Also reported are the number of sampling stations (Stations) contributing data to the calculation and seasons (Seasons) the data were sampled in. Note that separate River Grand Medians were calculated for waterbody segments when the waterbody spanned one or more states and/or ecoregions.

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
ASPETUCK RIVER, CT	NECZ	FAIRFIELD	23	Test

Agency Station ID: **1**
ENSR Station ID: **CTDEP-1**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	20	20	2	1998	1998	20	1	F/Su
CHLA	ug/L									

BANTAM RIVER, CT	NECZ	MORRIS	43	Test

Agency Station ID: **2**
ENSR Station ID: **CTDEP-2**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	10	10	2	1997	1997	10	2	F/Sp
CHLA	ug/L									

BANTAM RIVER, CT	NECZ	MORRIS	51	Test

Agency Station ID: **3**
ENSR Station ID: **CTDEP-3**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	320	320	320	1	1997	1997	10	2	F/Sp
CHLA	ug/L									

BIGELOW BROOK, CT	NEH	EASTFORD	1	Test

Agency Station ID: **468**
ENSR Station ID: **CTDEP-468**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	40	23	4	1999	2000	25	1	F/Sp/Su
CHLA	ug/L									

BLACKBERRY RIVER, CT	NEH	NORTH CANAAN	46	Test

Agency Station ID: **7**
ENSR Station ID: **CTDEP-7**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	10	10	2	1997	1997	10	1	F/Sp
CHLA	ug/L									

BLACKLEDGE RIVER, CT	NECZ	COLCHESTER	4	Test

Agency Station ID: **12**
ENSR Station ID: **CTDEP-12**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	50	18	5	1998	1999	10	1	F/Sp/Su
CHLA	ug/L									

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
BLACKWELL BROOK, CT	NECZ	CANTERBURY	23	Test

Agency Station ID: **478**
ENSR Station ID: **CTDEP-478**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	30	25	4	1999	2000	25	1	F/Sp/Su/W
CHLA	ug/L									

BLADDENS RIVER, CT	NECZ	SEYMOUR	11	Test

Agency Station ID: **13**
ENSR Station ID: **CTDEP-13**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	30	15	6	1997	2000	10	1	F/Sp/Su
CHLA	ug/L									

BLADDENS RIVER, CT	NECZ	SEYMOUR	11	Test

Agency Station ID: **14**
ENSR Station ID: **CTDEP-14**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	30	20	2	1997	1999	10	1	F/Sp/Su
CHLA	ug/L									

BRANCH BROOK, CT	NECZ	WATERTOWN	23	Test

Agency Station ID: **20**
ENSR Station ID: **CTDEP-20**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	10	10	7	1997	2002	10	1	F/Sp/Su
CHLA	ug/L									

BRANFORD RIVER, CT	NECZ	NORTH BRANFORD	13	Test

Agency Station ID: **21**
ENSR Station ID: **CTDEP-21**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	20	20	2	1998	1998	20	1	F/Su
CHLA	ug/L									

BRIDE BROOK, CT	NECZ	EAST LYME	4	Test

Agency Station ID: **617**
ENSR Station ID: **CTDEP-617**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	300	95	4	2000	2001	30	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
BROAD BROOK, CT	NECZ	EAST WINDSOR	16	Impacted

Agency Station ID: **22**
ENSR Station ID: **CTDEP-22**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	50	150	90	5	1998	1999	40	3	F/Sp/Su/W
CHLA	ug/L									

BROAD BROOK, CT	NECZ	PRESTON	15	Impacted

Agency Station ID: **479**
ENSR Station ID: **CTDEP-479**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	30	50	40	4	1999	2000	40	3	F/Sp/Su/W
CHLA	ug/L									

BROAD BROOK, CT	NECZ	BROAD BROOK	16	Impacted

Agency Station ID: **01184490**
ENSR Station ID: **ST-01184490**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	560	130	41	1993	1995	40	3	F/Sp/Su/W
CHLA	ug/L									

BROOKSVALE STREAM, CT	NECZ		1	Test

Agency Station ID: **01196589**
ENSR Station ID: **ST-01196589**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	20	20	1	1995	1995	20	1	Su
CHLA	ug/L									

BUNGEE BROOK, CT	NECZ	EASTFORD	17	Test

Agency Station ID: **466**
ENSR Station ID: **CTDEP-466**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	70	36	5	1999	2000	30	1	F/Sp/Su
CHLA	ug/L									

BURLINGTON BROOK, CT	NECZ	BURLINGTON	4	Test

Agency Station ID: **23**
ENSR Station ID: **CTDEP-23**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	20	14	4	1998	1999	9	2	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
BURLINGTON BROOK, CT	NECZ	BURLINGTON	4	Test

Agency Station ID: **01188000**
ENSR Station ID: **ST-01188000**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	100	1930	551	11	1990	1992	462	1	F/Sp/Su/W
TP	ug/L	5	120	16	28	1990	1997	9	2	F/Sp/Su/W
CHLA	ug/L									

BYRAM RIVER, CT	NECZ	GREENWICH	26	Test

Agency Station ID: **25**
ENSR Station ID: **CTDEP-25**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	30	60	43	4	1997	1998	42	1	F/Su
CHLA	ug/L									

COGINCHAUG RIVER, CT	NECZ	MIDDLETOWN	39	Impacted

Agency Station ID: **28**
ENSR Station ID: **CTDEP-28**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	60	40	3	1999	1999	50	1	F/Sp/Su
CHLA	ug/L									

COMSTOCK BROOK, CT	NECZ	WILTON	7	Test

Agency Station ID: **31**
ENSR Station ID: **CTDEP-31**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	40	50	45	2	1998	1998	45	1	F/Su
CHLA	ug/L									

CONGINCHAUG RIVER, CT	NECZ	MIDDLEFIELD	31	Test

Agency Station ID: **01192883**
ENSR Station ID: **ST-01192883**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	40	90	65	2	1994	1994	65	1	F/Su
CHLA	ug/L									

CONNECTICUT RIVER, CT	NECZ	THOMPSONVILLE	9650	Test

Agency Station ID: **01184000**
ENSR Station ID: **ST-01184000**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	190	1710	683	43	1990	1992	605	2	F/Sp/Su/W
TP	ug/L	5	480	48	101	1990	1997	35	2	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
CONNECTICUT RIVER, CT	NECZ	HARTFORD	10480	Test

Agency Station ID: **01190070**
ENSR Station ID: **ST-01190070**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	360	1360	711	31	1990	1992	605	2	F/Sp/Su/W
TP	ug/L	5	200	53	63	1990	1997	35	2	F/Sp/Su/W
CHLA	ug/L									

COOPER POND BROOK, CT	NECZ	RIDGEFIELD	2	Test

Agency Station ID: **32**
ENSR Station ID: **CTDEP-32**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	30	60	45	2	1998	1998	45	1	F/Su
CHLA	ug/L									

COPPERMINE BROOK, CT	NECZ	BRISTOL	19	Test

Agency Station ID: **33**
ENSR Station ID: **CTDEP-33**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	40	23	4	1998	1999	20	1	F/Sp/Su
CHLA	ug/L									

COPPS BROOK, CT	NECZ	STONINGTON	7	Test

Agency Station ID: **39**
ENSR Station ID: **CTDEP-39**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	450	130	4	2000	2001	30	1	F/Sp/Su/W
CHLA	ug/L									

EAST ASPETUCK RIVER, CT	NECZ	NEW MILFORD	25	Test

Agency Station ID: **58**
ENSR Station ID: **CTDEP-58**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	30	30	30	1	1997	1997	30	1	Sp
CHLA	ug/L									

EAST BRANCH EIGHT MILE RIVER, CT	NECZ	LYME	23	Test

Agency Station ID: **49**
ENSR Station ID: **CTDEP-49**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	20	14	5	1998	1999	15	1	F/Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
EAST BRANCH NAUGATUCK RIVER, CT	NEH	TORRINGTON	14	Test

Agency Station ID: **54**
ENSR Station ID: **CTDEP-54**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	30	14	5	1997	1997	10	1	F/Sp/Su
CHLA	ug/L									

EAST SWAMP BROOK, CT	NECZ	BETHEL	4	Test

Agency Station ID: **59**
ENSR Station ID: **CTDEP-59**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	30	30	30	1	1997	1997	30	1	Sp
CHLA	ug/L									

EATON BROOK, CT	NECZ		2	Test

Agency Station ID: **01196619**
ENSR Station ID: **ST-01196619**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	20	20	1	1995	1995	20	1	Su
CHLA	ug/L									

EIGHTMILE RIVER, CT	NECZ	LYME	43	Test

Agency Station ID: **62**
ENSR Station ID: **CTDEP-62**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	10	10	4	1998	1999	10	4	F/Sp/Su
CHLA	ug/L									

EIGHTMILE RIVER, CT	NECZ	SOUTHINGTON	15	Test

Agency Station ID: **63**
ENSR Station ID: **CTDEP-63**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	420	113	4	1998	2001	10	4	F/Sp/Su
CHLA	ug/L									

EIGHTMILE RIVER, CT	NECZ	SOUTHINGTON	8	Test

Agency Station ID: **64**
ENSR Station ID: **CTDEP-64**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	10	10	2	1998	1998	10	4	F/Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
EIGHTMILE RIVER, CT	NECZ	SOUTHINGTON	4	Test

Agency Station ID: **65**
ENSR Station ID: **CTDEP-65**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	10	10	3	1998	1998	10	4	F/Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
FACTORY BROOK, CT	NEH	SALISBURY	9	Impacted

Agency Station ID: **395**
ENSR Station ID: **CTDEP-395**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	110	45	4	1997	1999	60	1	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
FALLS RIVER, CT	NECZ	DEEP RIVER	5	Test

Agency Station ID: **380**
ENSR Station ID: **CTDEP-380**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	10	10	4	1999	1999	10	2	F/Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
FALLS RIVER, CT	NECZ	ESSEX	5	Test

Agency Station ID: **381**
ENSR Station ID: **CTDEP-381**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	15	12	3	1999	1999	10	2	F/Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
FARM RIVER, CT	NECZ	NORTH BRANFORD	13	Impacted

Agency Station ID: **69**
ENSR Station ID: **CTDEP-69**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	50	35	4	1998	2000	40	1	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
FARMILL RIVER, CT	NECZ	STRATFORD	26	Test

Agency Station ID: **70**
ENSR Station ID: **CTDEP-70**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	20	20	2	1997	1997	20	2	Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
FARMILL RIVER, CT	NECZ	SHELTON	24	Test

Agency Station ID: **71**
ENSR Station ID: **CTDEP-71**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	20	20	2	1997	1997	20	2	Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
FARMINGTON RIVER, CT	NECZ	FARMINGTON	389	Test

Agency Station ID: **72**
ENSR Station ID: **CTDEP-72**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	30	18	5	1998	1999	44	6	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
FARMINGTON RIVER, CT	NECZ	AVON	480	Test

Agency Station ID: **73**
ENSR Station ID: **CTDEP-73**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	230	103	4	1998	1999	44	6	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
FARMINGTON RIVER, CT	NECZ	UNIONVILLE	377	Test

Agency Station ID: **01188085**
ENSR Station ID: **ST-01188085**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	285	830	465	19	1990	1991	678	4	F/Sp/Su/W
TP	ug/L	5	50	23	19	1990	1991	44	6	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
FARMINGTON RIVER, CT	NECZ	UNIONVILLE	377	Test

Agency Station ID: **01188090**
ENSR Station ID: **ST-01188090**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	180	420	294	12	1991	1992	678	4	F/Sp/Su/W
TP	ug/L	5	100	20	47	1991	1997	44	6	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
FARMINGTON RIVER, CT	NECZ	AVON	480	Test

Agency Station ID: **01189120**
ENSR Station ID: **ST-01189120**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	790	1140	999	7	1990	1991	678	4	F/Sp/Su/W
TP	ug/L	70	130	91	7	1990	1991	44	6	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
FARMINGTON RIVER, CT	NECZ	TARIFFVILLE	576	Test

Agency Station ID: **01189995**
ENSR Station ID: **ST-01189995**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	570	1970	978	30	1990	1992	678	4	F/Sp/Su/W
TP	ug/L	20	270	92	69	1990	1997	44	6	F/Sp/Su/W
CHLA	ug/L									

FENGER BROOK, CT	NECZ	NEW LONDON	3	Test

Agency Station ID: **609**
ENSR Station ID: **CTDEP-609**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	30	1300	340	7	2000	2001	218	1	F/Sp/Su/W
CHLA	ug/L									

FENTON RIVER, CT	NECZ	MANSFIELD	28	Test

Agency Station ID: **470**
ENSR Station ID: **CTDEP-470**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	30	20	4	1999	2000	20	1	F/Sp/Su
CHLA	ug/L									

FIVE MILE RIVER, CT	NECZ	NEW CANAAN	6	Impacted

Agency Station ID: **76**
ENSR Station ID: **CTDEP-76**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	30	50	40	3	1997	1998	42	2	F/Su
CHLA	ug/L									

FIVE MILE RIVER, CT	NECZ	NEW CANAAN	6	Impacted

Agency Station ID: **77**
ENSR Station ID: **CTDEP-77**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	180	2300	997	3	1997	1998	42	2	F/Su
CHLA	ug/L									

FIVEMILE RIVER, CT	NEH	KILLINGLY	10	Test

Agency Station ID: **79**
ENSR Station ID: **CTDEP-79**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	50	33	3	2000	2000	30	1	Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
FIVEMILE RIVER, CT	NECZ	KILLINGLY	58	Test

Agency Station ID: **80**
ENSR Station ID: **CTDEP-80**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	10	10	1	1999	1999	10	1	F
CHLA	ug/L									

FRENCH RIVER, CT	NECZ	THOMPSON	108	Impacted

Agency Station ID: **81**
ENSR Station ID: **CTDEP-81**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	40	70	58	4	1999	2000	48	3	F/Sp/Su/W
CHLA	ug/L									

FRENCH RIVER, CT	NECZ	GROSVENORDALE	102	Impacted

Agency Station ID: **01125100**
ENSR Station ID: **ST-01125100**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	580	1870	1052	13	1991	1992	930	2	F/Sp/Su/W
TP	ug/L	5	300	92	45	1991	1997	48	3	F/Sp/Su/W
CHLA	ug/L									

FRENCH RIVER, CT	NECZ	MECHANICSVILLE	0	Impacted

Agency Station ID: **01125150**
ENSR Station ID: **ST-01125150**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	680	1980	1204	18	1990	1991	930	2	F/Sp/Su/W
TP	ug/L	30	270	120	18	1990	1991	48	3	F/Sp/Su/W
CHLA	ug/L									

FULLING MILL BROOK, CT	NECZ	NAUGATUCK	210	Test

Agency Station ID: **84**
ENSR Station ID: **CTDEP-84**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	30	12	9	1997	2001	10	1	F/Su
CHLA	ug/L									

FURNACE BROOK, CT	NECZ	STAFFORD	16	Test

Agency Station ID: **490**
ENSR Station ID: **CTDEP-490**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	100	31	8	1999	2002	20	2	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
FURNACE BROOK, CT	NECZ	STAFFORD	16	Test

Agency Station ID: **89**
ENSR Station ID: **CTDEP-89**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	50	24	7	1999	2001	20	2	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
GARDNER BROOK, CT	NECZ	BOZRAH	14	Test

Agency Station ID: **625**
ENSR Station ID: **CTDEP-625**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	400	115	4	2000	2001	25	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
GREEN FALL RIVER, CT	NECZ	NORTH STONINGTON	7	Test

Agency Station ID: **606**
ENSR Station ID: **CTDEP-606**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	210	48	6	2000	2001	25	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
HAMMONASSET RIVER, CT	NECZ	KILLINGWORTH	14	Test

Agency Station ID: **95**
ENSR Station ID: **CTDEP-95**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	40	40	40	2	1998	1998	10	2	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
HAMMONASSET RIVER, CT	NECZ	MADISON	23	Test

Agency Station ID: **96**
ENSR Station ID: **CTDEP-96**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	10	10	3	1997	1998	10	2	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
HANCOCK BROOK, CT	NECZ	WATERBURY	15	Test

Agency Station ID: **97**
ENSR Station ID: **CTDEP-97**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	170	63	3	1997	1997	10	2	Su
CHLA	ug/L									

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
HANCOCK BROOK, CT	NECZ		12	Test

Agency Station ID:
ENSR Station ID: **EMAP_CT751L**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	348	348	348	1	1994	1994	348	1	Su
TP	ug/L	12	12	12	1	1994	1994	10	2	Su
CHLA	ug/L	2.80	2.80	2.80	1	1994	1994	3	1	Su

HARBOR BROOK, CT	NECZ	MERIDEN	12	Test

Agency Station ID: **101**
ENSR Station ID: **CTDEP-101**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	110	65	2	1998	1998	65	1	F/Su
CHLA	ug/L									

HEWITT BROOK (POQUETANUCK BROOK), CT	NECZ	PRESTON	18	Test

Agency Station ID: **619**
ENSR Station ID: **CTDEP-619**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	60	35	4	2000	2001	35	1	F/Sp/Su/W
CHLA	ug/L									

HOCKANUM BROOK, CT	NECZ	BEACON FALLS	5	Test

Agency Station ID: **104**
ENSR Station ID: **CTDEP-104**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	10	10	1	1997	1997	10	1	Sp/Su
CHLA	ug/L									

HOCKANUM BROOK, CT	NECZ	BEACON FALLS	5	Test

Agency Station ID: **105**
ENSR Station ID: **CTDEP-105**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	20	12	5	1997	1997	10	1	Sp/Su
CHLA	ug/L									

HOCKANUM RIVER, CT	NECZ	EAST HARTFORD	74	Impacted

Agency Station ID: **110**
ENSR Station ID: **CTDEP-110**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	250	950	524	7	1998	1999	258	7	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
HOCKANUM RIVER, CT	NECZ	ELLINGTON	19	Impacted

Agency Station ID: **113**
ENSR Station ID: **CTDEP-113**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	130	45	4	1998	1999	258	7	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
HOCKANUM RIVER, CT	NECZ	VERNON	27	Impacted

Agency Station ID: **116**
ENSR Station ID: **CTDEP-116**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	140	810	520	4	1998	1999	258	7	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
HOCKANUM RIVER, CT	NECZ	VERNON	13	Impacted

Agency Station ID: **117**
ENSR Station ID: **CTDEP-117**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	110	850	468	4	1998	1999	258	7	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
HOCKANUM RIVER, CT	NECZ	MANCHESTER	56	Impacted

Agency Station ID: **119**
ENSR Station ID: **CTDEP-119**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	350	350	350	1	1998	1998	258	7	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
HOCKANUM RIVER, CT	NECZ	ROCKVILLE	27	Impacted

Agency Station ID: **01192050**
ENSR Station ID: **ST-01192050**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	40	470	118	18	1995	1997	258	7	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
HOCKANUM RIVER, CT	NECZ	HARTFORD	74	Impacted

Agency Station ID: **01192500**
ENSR Station ID: **ST-01192500**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	2510	6320	4250	11	1991	1992	4005	1	F/Sp/Su/W
TP	ug/L	90	1000	429	66	1991	1997	258	7	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
HOLLENBECK RIVER, CT	NEH	CANAAN	19	Test

Agency Station ID: **122**
ENSR Station ID: **CTDEP-122**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	10	10	2	1997	1997	10	1	F/Sp
CHLA	ug/L									

HOP BROOK, CT	NECZ	SIMSBURY	11	Test

Agency Station ID: **379**
ENSR Station ID: **CTDEP-379**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	30	23	4	1999	1999	20	1	F/Sp/Su
CHLA	ug/L									

HOP RIVER, CT	NECZ	COVENTRY	80	Test

Agency Station ID: **464**
ENSR Station ID: **CTDEP-464**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	30	18	4	1999	2000	20	1	F/Sp/Su
CHLA	ug/L									

HOUSATONIC RIVER, CT	NEH	CANAAN	585	Test

Agency Station ID: **01198550**
ENSR Station ID: **ST-01198550**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	590	1460	928	8	1990	1990	790	2	F/Sp/Su/W
TP	ug/L	20	80	45	8	1990	1990	25	2	F/Sp/Su/W
CHLA	ug/L									

HOUSATONIC RIVER, CT	NEH	MILFORD	1022	Test

Agency Station ID: **01200600**
ENSR Station ID: **ST-01200600**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	480	1970	902	18	1990	1991	790	2	F/Sp/Su/W
TP	ug/L	5	570	51	66	1990	1997	25	2	F/Sp/Su/W
CHLA	ug/L									

HOUSATONIC RIVER, CT	NECZ	STEVENSON	1540	Test

Agency Station ID: **01205500**
ENSR Station ID: **ST-01205500**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	500	6600	888	43	1990	1992	742	1	F/Sp/Su/W
TP	ug/L	5	190	33	69	1990	1997	30	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
JEREMY RIVER, CT	NECZ	COLCHESTER	43	Test

Agency Station ID: **135**
ENSR Station ID: **CTDEP-135**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	20	13	4	1998	1999	10	1	F/Sp/Su
CHLA	ug/L									

KAHN BROOK, CT	NECZ	BOZRAH	55	Test

Agency Station ID: **138**
ENSR Station ID: **CTDEP-138**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	40	500	153	6	2000	2002	60	1	F/Sp/Su/W
CHLA	ug/L									

KONKAPOT RIVER, CT	NEH		62	Test

Agency Station ID: **01198185**
ENSR Station ID: **ST-01198185**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	5	5	5	1	1994	1994	5	2	F
CHLA	ug/L									

KONKAPOT RIVER, CT	NEH		62	Test

Agency Station ID: **01198190**
ENSR Station ID: **ST-01198190**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	20	20	1	1994	1994	5	2	F
CHLA	ug/L									

LATIMER BROOK, CT	NECZ	EAST LYME	12	Test

Agency Station ID: **614**
ENSR Station ID: **CTDEP-614**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	30	870	253	4	2000	2001	55	1	F/Sp/Su/W
CHLA	ug/L									

LITTLE RIVER, CT	NECZ	WOODSTOCK	37	Impacted

Agency Station ID: **150**
ENSR Station ID: **CTDEP-150**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	40	50	43	3	2000	2000	36	3	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
LITTLE RIVER, CT	NECZ	WOODSTOCK	37	Impacted

Agency Station ID: **151**
ENSR Station ID: **CTDEP-151**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	50	35	4	1999	2000	36	3	F/Sp/Su/W
CHLA	ug/L									

LITTLE RIVER, CT	NECZ	SPRAGUE	35	Impacted

Agency Station ID: **152**
ENSR Station ID: **CTDEP-152**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	140	53	4	1999	2000	36	3	F/Sp/Su/W
CHLA	ug/L									

LITTLE RIVER, CT	NECZ	SPRAGUE	42	Impacted

Agency Station ID: **153**
ENSR Station ID: **CTDEP-153**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	2300	258	10	1999	2001	36	3	F/Sp/Su/W
CHLA	ug/L									

LITTLE RIVER, CT	NECZ	SEYMOUR	298	Impacted

Agency Station ID: **154**
ENSR Station ID: **CTDEP-154**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	30	23	3	1997	1997	36	3	F/Sp/Su/W
CHLA	ug/L									

LYMAN BROOK, CT	NECZ	MARLBOROUGH	23	Test

Agency Station ID: **156**
ENSR Station ID: **CTDEP-156**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	10	10	3	1999	1999	10	1	F/Sp/Su
CHLA	ug/L									

MAD RIVER, CT	NEH	WINCHESTER	32	Impacted

Agency Station ID: **158**
ENSR Station ID: **CTDEP-158**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	30	16	5	1998	1999	20	1	F/Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MAD RIVER, CT	NECZ	WATERBURY	26	Impacted

Agency Station ID: **159**
ENSR Station ID: **CTDEP-159**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	200	48	13	1997	2001	20	1	F/Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MASHAMOQUET BROOK, CT	NECZ	POMFRET	29	Impacted

Agency Station ID: **477**
ENSR Station ID: **CTDEP-477**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	30	18	5	1999	2000	20	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MATTABASSET RIVER, CT	NECZ	EAST BERLIN	46	Impacted

Agency Station ID: **01192704**
ENSR Station ID: **ST-01192704**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	5	180	47	20	1995	1997	38	5	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MATTABASSET RIVER, CT	NECZ	WAWA	56	Impacted

Agency Station ID: **41360807**
ENSR Station ID: **ST-413608072420701**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	40	40	40	1	1995	1995	38	5	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MATTABASSET RIVER, CT	NECZ		48	Impacted

Agency Station ID: **41361507**
ENSR Station ID: **ST-413615072425401**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	60	60	60	1	1995	1995	38	5	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MATTABASSET RIVER, CT	NECZ	EAST BERLIN	46	Impacted

Agency Station ID: **41370807**
ENSR Station ID: **ST-413708072424801**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	60	60	60	1	1995	1995	38	5	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MATTABASSET RIVER, CT	NECZ		39	Impacted

Agency Station ID: **41383007**
ENSR Station ID: **ST-413830072431301**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	50	50	50	1	1995	1995	38	5	F/Sp/Su/W
CHLA	ug/L									

MATTABESSET RIVER, CT	NECZ	BERLIN	9	Test

Agency Station ID: **161**
ENSR Station ID: **CTDEP-161**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	30	23	3	1999	1999	30	2	F/Sp/Su
CHLA	ug/L									

MATTABESSET RIVER, CT	NECZ	CROMWELL	46	Test

Agency Station ID: **163**
ENSR Station ID: **CTDEP-163**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	50	38	4	1999	1999	30	2	F/Sp/Su
CHLA	ug/L									

MENUNKETESUCK RIVER, CT	NECZ	CLINTON	11	Test

Agency Station ID: **164**
ENSR Station ID: **CTDEP-164**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	30	20	2	1998	1998	20	1	F/Su
CHLA	ug/L									

MERRICK BROOK, CT	NECZ	SCOTLAND	21	Test

Agency Station ID: **480**
ENSR Station ID: **CTDEP-480**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	30	23	4	1999	2000	20	1	F/Sp/Su/W
CHLA	ug/L									

MIANUS RIVER, CT	NECZ	STAMFORD	29	Impacted

Agency Station ID: **168**
ENSR Station ID: **CTDEP-168**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	20	13	3	1997	1998	12	1	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MIDDLE RIVER, CT	NECZ	STAFFORD	34	Test

Agency Station ID: **461**
ENSR Station ID: **CTDEP-461**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	210	50	10	1999	2002	10	2	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MIDDLE RIVER, CT	NECZ	STAFFORD	13	Test

Agency Station ID: **489**
ENSR Station ID: **CTDEP-489**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	20	13	7	1999	2001	10	2	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MILL BROOK, CT	NECZ	PLAINFIELD	9	Test

Agency Station ID: **169**
ENSR Station ID: **CTDEP-169**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	15	90	33	5	1999	2000	20	2	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MILL BROOK, CT	NECZ	PLAINFIELD	9	Test

Agency Station ID: **171**
ENSR Station ID: **CTDEP-171**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	15	100	49	4	1999	2000	20	2	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MILL RIVER, CT	NECZ	FAIRFIELD	19	Test

Agency Station ID: **173**
ENSR Station ID: **CTDEP-173**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	50	25	4	1997	1998	21	4	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MILL RIVER, CT	NECZ	FAIRFIELD	28	Test

Agency Station ID: **174**
ENSR Station ID: **CTDEP-174**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	20	15	2	1998	1998	21	4	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MILL RIVER, CT	NECZ	HAMDEN	22	Test

Agency Station ID: **175**
ENSR Station ID: **CTDEP-175**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	30	23	3	1997	1998	21	4	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MILL RIVER, CT	NECZ	HAMDEN	11136	Test

Agency Station ID: **176**
ENSR Station ID: **CTDEP-176**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	20	17	3	1997	1998	21	4	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MILL RIVER, CT	NECZ	HAMDEN	29	Test

Agency Station ID: **01196620**
ENSR Station ID: **ST-01196620**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	40	40	40	1	1995	1995	21	4	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MILL RIVER, CT	NECZ		29	Test

Agency Station ID: **01196623**
ENSR Station ID: **ST-0119662350**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	30	30	30	1	1995	1995	21	4	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MILL RIVER, CT	NECZ		33	Test

Agency Station ID: **01196623**
ENSR Station ID: **ST-0119662380**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	10	10	1	1995	1995	21	4	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MOOSUP RIVER, CT	NECZ	PLAINFIELD	84	Test

Agency Station ID: **472**
ENSR Station ID: **CTDEP-472**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	25	21	4	1999	2000	20	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MOUNT HOPE RIVER, CT	NECZ	MANSFIELD	37	Test

Agency Station ID: **469**
ENSR Station ID: **CTDEP-469**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	70	30	4	1999	2000	20	1	F/Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MUDDY BROOK, CT	NECZ	SUFFIELD	20	Impacted

Agency Station ID: **178**
ENSR Station ID: **CTDEP-178**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	50	35	4	1998	1999	25	2	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MUDDY BROOK, CT	NECZ	WOODSTOCK	5	Impacted

Agency Station ID: **180**
ENSR Station ID: **CTDEP-180**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	70	32	5	1999	2000	25	2	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MUDDY RIVER, CT	NECZ	WALLINGFORD	7	Test

Agency Station ID: **184**
ENSR Station ID: **CTDEP-184**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	20	17	3	1997	1998	18	3	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MUDDY RIVER, CT	NECZ	NORTH HAVEN	18	Test

Agency Station ID: **185**
ENSR Station ID: **CTDEP-185**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	30	23	4	1997	1998	18	3	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MUDDY RIVER, CT	NECZ		18	Test

Agency Station ID: **01196580**
ENSR Station ID: **ST-01196580**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	60	60	60	1	1994	1994	18	3	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MUDGE POND BROOK, CT	NEH	SHARON	12	Test

Agency Station ID: **186**
ENSR Station ID: **CTDEP-186**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	20	20	1	1997	1997	45	1	F/Sp
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MUDGE POND BROOK, CT	NEH	SHARON	18	Test

Agency Station ID: **187**
ENSR Station ID: **CTDEP-187**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	30	100	55	4	1997	1997	45	1	F/Sp
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MYRON KINNEY BROOK, CT	NECZ	VOLUNTOWN	6	Test

Agency Station ID: **475**
ENSR Station ID: **CTDEP-475**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	40	23	4	1999	2000	20	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
NATCHAUG RIVER, CT	NECZ	CHAPLIN	77	Reference

Agency Station ID: **189**
ENSR Station ID: **CTDEP-189**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	270	58	9	1997	2001	5	2	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
NATCHAUG RIVER, CT	NECZ	CHAPLIN	77	Reference

Agency Station ID: **01120800**
ENSR Station ID: **ST-01120800**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	5	20	8	18	1995	1997	5	2	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
NAUGATUCK RIVER, CT	NECZ	WATERTOWN	140	Impacted

Agency Station ID: **191**
ENSR Station ID: **CTDEP-191**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	60	420	203	24	1997	2002	148	8	F/Sp/Su/W
CHLA	ug/L									

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
NAUGATUCK RIVER, CT	NECZ	BEACON FALLS	260	Impacted

Agency Station ID: **192**
ENSR Station ID: **CTDEP-192**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	140	630	427	3	1997	1999	148	8	F/Sp/Su/W
CHLA	ug/L									

NAUGATUCK RIVER, CT	NECZ	ANSONIA	305	Impacted

Agency Station ID: **193**
ENSR Station ID: **CTDEP-193**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	440	800	620	2	2000	2001	148	8	F/Sp/Su/W
CHLA	ug/L									

NAUGATUCK RIVER, CT	NEH	HARWINTON	66	Impacted

Agency Station ID: **194**
ENSR Station ID: **CTDEP-194**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	30	670	345	6	2001	2002	290	1	F/Su/W
CHLA	ug/L									

NAUGATUCK RIVER, CT	NECZ	WATERBURY	140	Impacted

Agency Station ID: **198**
ENSR Station ID: **CTDEP-198**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	70	440	177	9	2000	2002	148	8	F/Sp/Su/W
CHLA	ug/L									

NAUGATUCK RIVER, CT	NECZ	WATERBURY	207	Impacted

Agency Station ID: **204**
ENSR Station ID: **CTDEP-204**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	0	2900	123	149	1997	2002	148	8	F/Sp/Su/W
CHLA	ug/L									

NAUGATUCK RIVER, CT	NECZ	NAUGATUCK	216	Impacted

Agency Station ID: **207**
ENSR Station ID: **CTDEP-207**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	580	1100	760	3	1997	1999	148	8	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
NAUGATUCK RIVER, CT	NEH	TORRINGTON	55	Impacted

Agency Station ID: **216**
ENSR Station ID: **CTDEP-216**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	50	23	3	1997	1997	290	1	F/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
NAUGATUCK RIVER, CT	NEH	HARWINTON	57	Impacted

Agency Station ID: **223**
ENSR Station ID: **CTDEP-223**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	230	450	360	3	1997	1997	290	1	F/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
NAUGATUCK RIVER, CT	NECZ	WATERVILLE	140	Impacted

Agency Station ID: **01208049**
ENSR Station ID: **ST-01208049**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	680	4095	1469	30	1990	1992	1218	2	F/Sp/Su/W
TP	ug/L	30	450	128	64	1990	1997	148	8	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
NAUGATUCK RIVER, CT	NECZ	BEACON FALLS	260	Impacted

Agency Station ID: **01208500**
ENSR Station ID: **ST-01208500**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	110	5100	2097	39	1990	1992	1218	2	F/Sp/Su/W
TP	ug/L	70	2300	469	79	1990	1997	148	8	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
NEPAUG RIVER, CT	NEH	NEW HARTFORD	24	Test

Agency Station ID: **224**
ENSR Station ID: **CTDEP-224**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	20	16	5	1998	1999	20	1	F/Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
NOROTON RIVER, CT	NECZ	STAMFORD	10	Test

Agency Station ID: **233**
ENSR Station ID: **CTDEP-233**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	60	43	4	1998	2000	45	1	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
NORTH BRANCH PARK RIVER, CT	NECZ	HARTFORD	29	Test

Agency Station ID: **377**
ENSR Station ID: **CTDEP-377**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	30	50	43	4	1999	1999	40	2	F/Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
NORTH BRANCH PARK RIVER, CT	NECZ	HARTFORD	29	Test

Agency Station ID: **378**
ENSR Station ID: **CTDEP-378**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	50	37	3	1999	1999	40	2	F/Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
NORWALK RIVER, CT	NECZ	RIDGEFIELD	12	Impacted

Agency Station ID: **235**
ENSR Station ID: **CTDEP-235**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	330	390	363	3	1997	1998	55	9	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
NORWALK RIVER, CT	NECZ	NORWALK	33	Impacted

Agency Station ID: **236**
ENSR Station ID: **CTDEP-236**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	30	40	38	4	1997	1999	55	9	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
NORWALK RIVER, CT	NECZ	RIDGEFIELD	5	Impacted

Agency Station ID: **238**
ENSR Station ID: **CTDEP-238**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	250	730	547	3	1997	1998	55	9	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
NORWALK RIVER, CT	NECZ	REDDING	16	Impacted

Agency Station ID: **239**
ENSR Station ID: **CTDEP-239**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	83	83	83	1	1997	1997	55	9	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
NORWALK RIVER, CT	NECZ	WILTON	16	Impacted

Agency Station ID: **241**
ENSR Station ID: **CTDEP-241**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	130	180	147	3	1998	1999	55	9	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
NORWALK RIVER, CT	NECZ	WILTON	18	Impacted

Agency Station ID: **244**
ENSR Station ID: **CTDEP-244**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	90	100	93	3	1997	1998	55	9	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
NORWALK RIVER, CT	NECZ	REDDING	27	Impacted

Agency Station ID: **245**
ENSR Station ID: **CTDEP-245**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	50	100	70	4	1997	1999	55	9	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
NORWALK RIVER, CT	NECZ	NORWALK	58	Impacted

Agency Station ID: **246**
ENSR Station ID: **CTDEP-246**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	35	60	48	3	1997	1998	55	9	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
NORWALK RIVER, CT	NECZ	WILTON	18	Impacted

Agency Station ID: **445**
ENSR Station ID: **CTDEP-445**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	80	80	80	1	1999	1999	55	9	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
NORWALK RIVER, CT	NECZ	WINNIPAUK	33	Impacted

Agency Station ID: **01209710**
ENSR Station ID: **ST-01209710**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	355	2295	806	43	1990	1992	802	1	F/Sp/Su/W
TP	ug/L	5	310	48	133	1990	1997	55	9	F/Sp/Su/W
CHLA	ug/L									

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
OXOBOXO BROOK, CT	NECZ	MONTVILLE	12	Impacted

Agency Station ID: **608**
ENSR Station ID: **CTDEP-608**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	80	28	4	2000	2001	10	3	F/Sp/Su/W
CHLA	ug/L									

OXOBOXO BROOK, CT	NECZ	MONTVILLE	7	Impacted

Agency Station ID: **610**
ENSR Station ID: **CTDEP-610**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	400	133	4	2000	2001	10	3	F/Sp/Su/W
CHLA	ug/L									

OXOBOXO BROOK, CT	NECZ	MONTVILLE	12	Impacted

Agency Station ID: **620**
ENSR Station ID: **CTDEP-620**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	20	13	4	2000	2001	10	3	F/Sp/Su/W
CHLA	ug/L									

PACHAUG RIVER, CT	NECZ	GRISWOLD	63	Test

Agency Station ID: **474**
ENSR Station ID: **CTDEP-474**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	60	26	5	1999	2000	25	1	F/Sp/Su/W
CHLA	ug/L									

PADANARAM BROOK, CT	NECZ	DANBURY	14	Test

Agency Station ID: **613**
ENSR Station ID: **CTDEP-613**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	60	37	3	2001	2001	30	1	Sp/Su/W
CHLA	ug/L									

PATAGANSETT RIVER, CT	NECZ	EAST LYME	7	Test

Agency Station ID: **615**
ENSR Station ID: **CTDEP-615**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	300	90	4	2000	2001	20	2	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
PATAGANSETT RIVER, CT	NECZ	EAST LYME	6	Test

Agency Station ID: **616**
ENSR Station ID: **CTDEP-616**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	300	118	4	2000	2001	20	2	F/Sp/Su/W
CHLA	ug/L									

PATTACONK BROOK, CT	NECZ	CHESTER	8	Test

Agency Station ID: **252**
ENSR Station ID: **CTDEP-252**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	30	16	5	1998	1999	10	1	F/Sp/Su
CHLA	ug/L									

PAWCATUCK RIVER, CT	NECZ	STONINGTON	1	Test

Agency Station ID: **254**
ENSR Station ID: **CTDEP-254**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	60	34	5	2000	2001	32	1	F/Sp/Su/W
CHLA	ug/L									

PEQUABUCK RIVER, CT	NECZ	PLYMOUTH	18	Impacted

Agency Station ID: **264**
ENSR Station ID: **CTDEP-264**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	30	19	4	1998	1999	478	7	F/Sp/Su/W
CHLA	ug/L									

PEQUABUCK RIVER, CT	NECZ	BRISTOL	18	Impacted

Agency Station ID: **265**
ENSR Station ID: **CTDEP-265**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	140	640	512	5	1998	1999	478	7	F/Sp/Su/W
CHLA	ug/L									

PEQUABUCK RIVER, CT	NECZ	BRISTOL	26	Impacted

Agency Station ID: **266**
ENSR Station ID: **CTDEP-266**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	80	580	313	4	1998	1999	478	7	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
PEQUABUCK RIVER, CT	NECZ	BRISTOL	49	Impacted

Agency Station ID: **267**
ENSR Station ID: **CTDEP-267**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	300	1800	1072	5	1998	1999	478	7	F/Sp/Su/W
CHLA	ug/L									

PEQUABUCK RIVER, CT	NECZ	FARMINGTON	58	Impacted

Agency Station ID: **268**
ENSR Station ID: **CTDEP-268**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	260	930	534	5	1998	1999	478	7	F/Sp/Su/W
CHLA	ug/L									

PEQUABUCK RIVER, CT	NECZ	FORESTVILLE	49	Impacted

Agency Station ID: **01189000**
ENSR Station ID: **ST-01189000**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	70	1800	709	40	1993	1995	478	7	F/Sp/Su/W
CHLA	ug/L									

PEQUABUCK RIVER, CT	NECZ	FARMINGTON	58	Impacted

Agency Station ID: **01189030**
ENSR Station ID: **ST-01189030**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	1560	6680	3675	31	1990	1992	3115	1	F/Sp/Su/W
TP	ug/L	110	1400	537	65	1990	1997	478	7	F/Sp/Su/W
CHLA	ug/L									

PEQUONNOCK RIVER, CT	NECZ	TRUMBULL	22	Test

Agency Station ID: **269**
ENSR Station ID: **CTDEP-269**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	90	28	5	1997	2000	15	2	F/Su
CHLA	ug/L									

PEQUONNOCK RIVER, CT	NECZ	TRUMBULL	11	Test

Agency Station ID: **270**
ENSR Station ID: **CTDEP-270**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	20	20	1	1997	1997	15	2	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
PINE BROOK, CT	NECZ	EAST HADDAM	16	Test

Agency Station ID: **271**
ENSR Station ID: **CTDEP-271**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	1000	258	4	1998	1999	10	1	F/Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
PIPER BROOK, CT	NECZ	NEWINGTON	15	Test

Agency Station ID: **272**
ENSR Station ID: **CTDEP-272**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	120	47	6	1998	2000	30	1	F/Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
POCOTOPAUG CREEK, CT	NECZ	EAST HAMPTON	9	Test

Agency Station ID: **275**
ENSR Station ID: **CTDEP-275**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	30	14	5	1998	1999	10	1	F/Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
POMPERAUG RIVER, CT	NECZ	SOUTHBURY	80	Reference

Agency Station ID: **279**
ENSR Station ID: **CTDEP-279**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	20	20	1	1997	1997	100	1	Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
POMPERAUG RIVER, CT	NECZ	SOUTHBURY	76	Reference

Agency Station ID: **01204000**
ENSR Station ID: **ST-01204000**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	180	180	180	1	1994	1994	100	1	Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
POOTATUCK RIVER, CT	NECZ	NEWTOWN	25	Impacted

Agency Station ID: **280**
ENSR Station ID: **CTDEP-280**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	30	30	30	1	1997	1997	30	1	Sp
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
QAQC SITE, CT	NEH		7	Test

Agency Station ID: **01192526**
ENSR Station ID: **ST-01192526001**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	115	120	118	2	1991	1992	118	1	F/W
TP	ug/L	5	5	5	2	1991	1992	5	1	F/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
QUANDOCK BROOK, CT	NECZ		1	Test

Agency Station ID: **01126123**
ENSR Station ID: **ST-01126123**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	5	5	5	1	1994	1994	5	1	F
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
QUANDUCK BROOK, CT	NECZ	STERLING	19	Test

Agency Station ID: **473**
ENSR Station ID: **CTDEP-473**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	30	18	5	1999	2000	15	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
QUINEBAUG RIVER, CT	NECZ	THOMPSON	151	Impacted

Agency Station ID: **285**
ENSR Station ID: **CTDEP-285**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	470	140	4	1999	2000	46	7	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
QUINEBAUG RIVER, CT	NECZ	GRISWOLD	63	Impacted

Agency Station ID: **476**
ENSR Station ID: **CTDEP-476**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	40	60	47	6	1999	2000	46	7	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
QUINEBAUG RIVER, CT	NECZ	PUTNAM	325	Impacted

Agency Station ID: **492**
ENSR Station ID: **CTDEP-492**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	40	80	58	4	1999	2000	46	7	F/Sp/Su/W
CHLA	ug/L									

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
QUINEBAUG RIVER, CT	NECZ	QUINEBAUG	151	Impacted

Agency Station ID: **01124000**
ENSR Station ID: **ST-01124000**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	290	1560	709	31	1990	1992	598	2	F/Sp/Su/W
TP	ug/L	5	210	60	64	1990	1997	46	7	F/Sp/Su/W
CHLA	ug/L									

QUINEBAUG RIVER, CT	NECZ	POMFRET LANDING	337	Impacted

Agency Station ID: **01125520**
ENSR Station ID: **ST-01125520**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	5	120	50	16	1995	1997	46	7	F/Sp/Su/W
CHLA	ug/L									

QUINEBAUG RIVER, CT	NECZ		372	Impacted

Agency Station ID: **01125720**
ENSR Station ID: **ST-01125720**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	120	58	13	1995	1996	46	7	F/Sp/Su/W
CHLA	ug/L									

QUINEBAUG RIVER, CT	NECZ	JEWETT CITY	644	Impacted

Agency Station ID: **01126890**
ENSR Station ID: **ST-01126890**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	726	1014	899	4	1990	1990	598	2	F/Sp/Su/W
TP	ug/L	43	57	49	4	1990	1990	46	7	F/Sp/Su/W
CHLA	ug/L									

QUINEBAUG RIVER, CT	NECZ	JEWETT CITY	709	Impacted

Agency Station ID: **01127000**
ENSR Station ID: **ST-01127000**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	490	2240	904	42	1990	1992	598	2	F/Sp/Su/W
TP	ug/L	5	220	51	77	1990	1997	46	7	F/Sp/Su/W
CHLA	ug/L									

QUINNIPIAC RIVER, CT	NECZ	WALLINGFORD	111	Impacted

Agency Station ID: **289**
ENSR Station ID: **CTDEP-289**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	680	680	680	1	1997	1997	265	3	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
QUINNIPIAC RIVER, CT	NECZ	MERIDEN	77	Impacted

Agency Station ID: **01196222**
ENSR Station ID: **ST-01196222**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	1750	5560	3170	31	1990	1992	2852	2	F/Sp/Su/W
TP	ug/L	40	1400	362	65	1990	1997	265	3	F/Sp/Su/W
CHLA	ug/L									

QUINNIPIAC RIVER, CT	NECZ	MERIDEN	95	Impacted

Agency Station ID: **01196270**
ENSR Station ID: **ST-01196270**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	1824	3752	3143	4	1990	1990	2852	2	F/Sp/Su/W
TP	ug/L	182	411	328	4	1990	1990	265	3	F/Sp/Su/W
CHLA	ug/L									

QUINNIPIAC RIVER, CT	NECZ	WALLINGFORD	111	Impacted

Agency Station ID: **01196500**
ENSR Station ID: **ST-01196500**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	1770	5740	3135	43	1990	1992	2852	2	F/Sp/Su/W
TP	ug/L	100	1200	356	79	1990	1997	265	3	F/Sp/Su/W
CHLA	ug/L									

RAINBOW BROOK, CT	NECZ	WINDSOR LOCKS	596	Test

Agency Station ID: **305**
ENSR Station ID: **CTDEP-305**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	50	20	5	1998	1999	10	1	F/Sp/Su
CHLA	ug/L									

RIDGEFIELD BROOK, CT	NECZ	RIDGEFIELD	5	Test

Agency Station ID: **237**
ENSR Station ID: **CTDEP-237**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	360	880	625	4	1997	1998	755	1	F/Su
CHLA	ug/L									

RIPPOWAM RIVER, CT	NECZ	STAMFORD	37	Impacted

Agency Station ID: **307**
ENSR Station ID: **CTDEP-307**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	50	30	3	1998	2000	12	2	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
RIPPOWAM RIVER, CT	NECZ		37	Impacted

Agency Station ID: **01209901**
ENSR Station ID: **ST-01209901**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	5	5	5	1	1994	1994	12	2	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
ROARING BROOK, CT	NECZ	GLASTONBURY	26	Test

Agency Station ID: **308**
ENSR Station ID: **CTDEP-308**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	15	11	5	1998	1999	12	2	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
ROARING BROOK, CT	NECZ	WILLINGTON	58	Test

Agency Station ID: **462**
ENSR Station ID: **CTDEP-462**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	80	36	8	1999	2001	12	2	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
ROOSTER RIVER, CT	NECZ	FAIRFIELD	13	Test

Agency Station ID: **01208873**
ENSR Station ID: **ST-01208873**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	5	410	60	35	1993	1995	28	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SALMON BROOK, CT	NECZ	EAST GRANBY	67	Test

Agency Station ID: **310**
ENSR Station ID: **CTDEP-310**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	20	14	5	1998	1999	18	4	F/Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SALMON BROOK, CT	NECZ	GLASTONBURY	10	Test

Agency Station ID: **311**
ENSR Station ID: **CTDEP-311**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	30	22	6	1998	1999	18	4	F/Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SALMON BROOK, CT	NECZ	GLASTONBURY	10	Test

Agency Station ID: **312**
ENSR Station ID: **CTDEP-312**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	40	23	4	1998	1999	18	4	F/Sp/Su
CHLA	ug/L									

SALMON BROOK, CT	NECZ	GLASTONBURY	10	Test

Agency Station ID: **313**
ENSR Station ID: **CTDEP-313**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	20	15	3	1999	1999	18	4	F/Sp/Su
CHLA	ug/L									

SALMON CREEK, CT	NEH	SALISBURY	33	Impacted

Agency Station ID: **314**
ENSR Station ID: **CTDEP-314**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	10	10	3	1997	1997	10	1	F/Sp
CHLA	ug/L									

SALMON RIVER, CT	NECZ	COLCHESTER	85	Reference

Agency Station ID: **316**
ENSR Station ID: **CTDEP-316**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	160	42	5	1997	2001	8	2	F/Sp/Su/W
CHLA	ug/L									

SALMON RIVER, CT	NECZ	EAST HAMPTON	107	Reference

Agency Station ID: **01193500**
ENSR Station ID: **ST-01193500**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	250	1070	542	31	1990	1992	515	1	F/Sp/Su/W
TP	ug/L	5	110	17	63	1990	1997	8	2	F/Sp/Su/W
CHLA	ug/L									

SANDY BROOK, CT	NEH	COLEBROOK	37	Test

Agency Station ID: **317**
ENSR Station ID: **CTDEP-317**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	280	41	9	1997	2001	10	1	F/Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SASCO BROOK, CT	NECZ	SOUTHPORT	8	Test

Agency Station ID: **01208950**
ENSR Station ID: **ST-01208950**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	5	180	41	59	1994	1997	20	2	F/Sp/Su/W
CHLA	ug/L									

SASCO BROOK, CT	NECZ	SOUTHPORT	10	Test

Agency Station ID: **01208960**
ENSR Station ID: **ST-01208960**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	5	110	33	32	1994	1997	20	2	F/Sp/Su/W
CHLA	ug/L									

SAUGATUCK RIVER, CT	NECZ	WESTON	41	Reference

Agency Station ID: **318**
ENSR Station ID: **CTDEP-318**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	15	13	2	1998	1998	12	4	F/Sp/Su/W
CHLA	ug/L									

SAUGATUCK RIVER, CT	NECZ	REDDING	21	Reference

Agency Station ID: **319**
ENSR Station ID: **CTDEP-319**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	130	33	8	1997	2001	12	4	F/Sp/Su/W
CHLA	ug/L									

SAUGATUCK RIVER, CT	NECZ	WESTPORT	80	Reference

Agency Station ID: **320**
ENSR Station ID: **CTDEP-320**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	20	15	2	1998	1998	12	4	F/Sp/Su/W
CHLA	ug/L									

SAUGATUCK RIVER, CT	NECZ	REDDING	21	Reference

Agency Station ID: **01208990**
ENSR Station ID: **ST-01208990**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	105	1220	449	32	1990	1992	361	1	F/Sp/Su/W
TP	ug/L	5	100	20	65	1990	1997	12	4	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SCANTIC RIVER, CT	NECZ	EAST WINDSOR	101	Test

Agency Station ID: **321**
ENSR Station ID: **CTDEP-321**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	70	45	4	1998	1999	30	2	F/Sp/Su/W
CHLA	ug/L									

SCANTIC RIVER, CT	NECZ		99	Test

Agency Station ID: **01184500**
ENSR Station ID: **ST-01184500**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	5	200	55	22	1994	1997	30	2	F/Sp/Su/W
CHLA	ug/L									

SETH WILLIAMS BROOK, CT	NECZ	LEDYARD	7	Impacted

Agency Station ID: **611**
ENSR Station ID: **CTDEP-611**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	60	43	4	2000	2001	45	1	F/Sp/Su/W
CHLA	ug/L									

SEYMOUR HOLLOW BROOK, CT	NECZ	WINDSOR LOCKS	596	Test

Agency Station ID: **323**
ENSR Station ID: **CTDEP-323**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	20	13	4	1998	1999	10	1	F/Sp/Su
CHLA	ug/L									

SHEPARD BROOK, CT	NECZ		3	Test

Agency Station ID: **01196623**
ENSR Station ID: **ST-0119662375**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	30	30	30	1	1995	1995	30	1	Su
CHLA	ug/L									

SHEPAUG RIVER, CT	NECZ	ROXBURY	132	Reference

Agency Station ID: **325**
ENSR Station ID: **CTDEP-325**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	200	64	5	1998	2001	25	2	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SHEPAUG RIVER, CT	NECZ	ROXBURY	132	Reference

Agency Station ID: **01203000**
ENSR Station ID: **ST-01203000**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	195	1450	692	31	1990	1992	670	1	F/Sp/Su/W
TP	ug/L	5	320	34	68	1990	1997	25	2	F/Sp/Su/W
CHLA	ug/L									

SHERMAN BROOK, CT	NECZ	COLCHESTER	8	Test

Agency Station ID: **623**
ENSR Station ID: **CTDEP-623**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	500	158	4	2000	2001	60	1	F/Sp/Su/W
CHLA	ug/L									

SHETUCKET RIVER, CT	NECZ	WINDHAM	418	Test

Agency Station ID: **326**
ENSR Station ID: **CTDEP-326**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	200	78	5	1999	2000	30	2	F/Sp/Su/W
CHLA	ug/L									

SHETUCKET RIVER, CT	NECZ	WINDHAM	418	Test

Agency Station ID: **01122610**
ENSR Station ID: **ST-01122610**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	380	2240	779	43	1990	1992	642	1	F/Sp/Su/W
TP	ug/L	5	200	41	76	1990	1997	30	2	F/Sp/Su/W
CHLA	ug/L									

SHUNOCK RIVER, CT	NECZ	NORTH STONINGTON	17	Test

Agency Station ID: **607**
ENSR Station ID: **CTDEP-607**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	100	48	4	2000	2001	40	1	F/Sp/Su/W
CHLA	ug/L									

SILVERMINE RIVER, CT	NECZ	NORWALK	21	Test

Agency Station ID: **327**
ENSR Station ID: **CTDEP-327**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	30	100	52	5	1997	2000	25	2	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SILVERMINE RIVER, CT	NECZ		21	Test

Agency Station ID: **01209750**
ENSR Station ID: **ST-01209750**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	10	10	1	1994	1994	25	2	F/Su
CHLA	ug/L									

SKUNGAMAUG RIVER, CT	NECZ	COVENTRY	31	Test

Agency Station ID: **463**
ENSR Station ID: **CTDEP-463**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	15	40	27	5	1999	2000	28	1	F/Sp/Su
CHLA	ug/L									

SPRUCE BROOK, CT	NECZ	NAUGATUCK	260	Test

Agency Station ID: **328**
ENSR Station ID: **CTDEP-328**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	10	10	4	1997	1997	10	1	Sp/Su
CHLA	ug/L									

STEELE BROOK, CT	NECZ	WATERBURY	17	Impacted

Agency Station ID: **331**
ENSR Station ID: **CTDEP-331**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	600	120	12	1997	2002	30	3	F/Sp/Su/W
CHLA	ug/L									

STEELE BROOK, CT	NECZ	WATERBURY	17	Impacted

Agency Station ID: **514**
ENSR Station ID: **CTDEP-514**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	800	136	16	1997	2002	30	3	F/Sp/Su/W
CHLA	ug/L									

STEELE BROOK, CT	NECZ	WATERTOWN	1	Impacted

Agency Station ID: **602**
ENSR Station ID: **CTDEP-602**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	170	71	11	2000	2002	30	3	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
STILL RIVER, CT	NECZ	BROOKFIELD	59	Impacted

Agency Station ID: **333**
ENSR Station ID: **CTDEP-333**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	80	600	261	8	1997	2001	128	6	F/Sp/Su/W
CHLA	ug/L									

STILL RIVER, CT	NEH	WINCHESTER	44	Impacted

Agency Station ID: **334**
ENSR Station ID: **CTDEP-334**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	30	19	6	1998	2000	45	5	F/Sp/Su/W
CHLA	ug/L									

STILL RIVER, CT	NEH	WINCHESTER	46	Impacted

Agency Station ID: **335**
ENSR Station ID: **CTDEP-335**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	600	203	4	1998	1999	45	5	F/Sp/Su/W
CHLA	ug/L									

STILL RIVER, CT	NEH	COLEBROOK	86	Impacted

Agency Station ID: **336**
ENSR Station ID: **CTDEP-336**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	50	35	4	1998	1999	45	5	F/Sp/Su/W
CHLA	ug/L									

STILL RIVER, CT	NECZ	DANBURY	31	Impacted

Agency Station ID: **337**
ENSR Station ID: **CTDEP-337**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	30	90	68	4	2000	2001	128	6	F/Sp/Su/W
CHLA	ug/L									

STILL RIVER, CT	NECZ	DANBURY	16	Impacted

Agency Station ID: **338**
ENSR Station ID: **CTDEP-338**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	100	38	4	2000	2001	128	6	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
STILL RIVER, CT	NECZ	DANBURY	39	Impacted

Agency Station ID: **339**
ENSR Station ID: **CTDEP-339**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	100	63	3	2001	2001	128	6	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
STILL RIVER, CT	NECZ	EASTFORD	33	Impacted

Agency Station ID: **467**
ENSR Station ID: **CTDEP-467**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	50	25	4	1999	2000	128	6	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
STILL RIVER, CT	NEH	WINCHESTER	46	Impacted

Agency Station ID: **599**
ENSR Station ID: **CTDEP-599**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	70	70	70	1	2000	2000	45	5	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
STILL RIVER, CT	NEH	ROBERTSVILLE	86	Impacted

Agency Station ID: **01186500**
ENSR Station ID: **ST-01186500**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	120	120	120	1	1994	1994	45	5	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
STILL RIVER, CT	NEH	RIVERTON	87	Impacted

Agency Station ID: **01186800**
ENSR Station ID: **ST-01186800**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	230	2180	887	19	1990	1991	782	1	F/Sp/Su/W
TP	ug/L	20	200	67	19	1990	1991	45	5	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
STILL RIVER, CT	NECZ	BROOKFIELD JUNCTIO	61	Impacted

Agency Station ID: **01201485**
ENSR Station ID: **ST-01201485**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	1210	3600	2037	19	1990	1992	1675	2	F/Sp/Su/W
TP	ug/L	130	640	286	31	1990	1994	128	6	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
STILL RIVER, CT	NECZ	BROOKFIELD CENTER	64	Impacted

Agency Station ID: **01201487**
ENSR Station ID: **ST-01201487**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	1650	1650	1650	1	1992	1992	1675	2	F/Sp/Su/W
TP	ug/L	20	1000	233	36	1992	1997	128	6	F/Sp/Su/W
CHLA	ug/L									

STONY BROOK, CT	NECZ	SUFFIELD	11	Test

Agency Station ID: **340**
ENSR Station ID: **CTDEP-340**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	70	38	4	1998	1999	32	2	F/Sp/Su/W
CHLA	ug/L									

STONY BROOK, CT	NECZ	WEST SUFFIELD	11	Test

Agency Station ID: **01184100**
ENSR Station ID: **ST-01184100**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	740	1220	961	10	1990	1991	970	1	F/Sp/Su/W
TP	ug/L	20	90	53	12	1990	1994	32	2	F/Sp/Su/W
CHLA	ug/L									

SUSQUETONSCUT BROOK, CT	NECZ	FRANKLIN	15	Test

Agency Station ID: **626**
ENSR Station ID: **CTDEP-626**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	80	35	4	2000	2001	25	2	F/Sp/Su/W
CHLA	ug/L									

SUSQUETONSCUT BROOK, CT	NECZ		15	Test

Agency Station ID: **01127400**
ENSR Station ID: **ST-01127400**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	30	30	30	1	1994	1994	25	2	F/Sp/Su/W
CHLA	ug/L									

SYMPAUG BROOK, CT	NECZ	DANBURY	7	Test

Agency Station ID: **342**
ENSR Station ID: **CTDEP-342**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	40	200	87	6	1997	2001	75	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SYMPAUG BROOK, CT	NECZ	BETHEL	4	Test

Agency Station ID: **343**
ENSR Station ID: **CTDEP-343**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	40	200	120	2	1997	2001	75	1	F/Sp/Su/W
CHLA	ug/L									

TANKERHOOSEN RIVER, CT	NECZ	VERNON	32	Test

Agency Station ID: **344**
ENSR Station ID: **CTDEP-344**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	20	13	4	1998	1999	10	1	F/Sp/Su
CHLA	ug/L									

TEN MILE RIVER, CT	NEH	SHERMAN	206	Test

Agency Station ID: **346**
ENSR Station ID: **CTDEP-346**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	40	40	40	1	1997	1997	40	1	Sp
CHLA	ug/L									

TEN MILE RIVER, CT	NECZ	SOUTHINGTON	20	Test

Agency Station ID: **347**
ENSR Station ID: **CTDEP-347**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	30	25	2	1998	1998	10	2	F/Sp/Su
CHLA	ug/L									

TEN MILE RIVER, CT	NECZ	CHESHIRE	7	Test

Agency Station ID: **348**
ENSR Station ID: **CTDEP-348**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	10	10	3	1998	1999	10	2	F/Sp/Su
CHLA	ug/L									

TENMILE RIVER, CT	NECZ	LEBANON	17	Test

Agency Station ID: **465**
ENSR Station ID: **CTDEP-465**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	100	49	5	1999	2000	60	1	F/Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
TRADING COVE BROOK, CT	NECZ	NORWICH	11	Test

Agency Station ID: **618**
ENSR Station ID: **CTDEP-618**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	20	15	4	2000	2001	15	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
TRANSYLVANIA BROOK, CT	NECZ	SOUTHBURY	8	Test

Agency Station ID: **349**
ENSR Station ID: **CTDEP-349**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	140	140	140	1	1997	1997	140	1	Sp
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
TRIBUTARY TO LIMEKILN BROOK, CT	NECZ	DANBURY	13	Test

Agency Station ID: **149**
ENSR Station ID: **CTDEP-149**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	2200	1059	7	1997	2001	1100	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
TROUT BROOK, CT	NECZ	WEST HARTFORD	22	Test

Agency Station ID: **354**
ENSR Station ID: **CTDEP-354**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	15	50	35	5	1998	2000	30	1	F/Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
WEBETUCK CREEK, CT	NEH	SHARON	34	Test

Agency Station ID: **511**
ENSR Station ID: **CTDEP-511**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	20	20	1	1997	1997	20	1	Sp
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
WEPAWAUG RIVER, CT	NECZ	MILFORD	20	Test

Agency Station ID: **361**
ENSR Station ID: **CTDEP-361**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	30	20	3	1997	1998	20	2	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
WEPAWAUG RIVER, CT	NECZ	MILFORD	20	Test

Agency Station ID: **362**
ENSR Station ID: **CTDEP-362**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	30	40	35	2	1998	1998	20	2	F/Su
CHLA	ug/L									

WEST ASPETUCK RIVER, CT	NEH	NEW MILFORD	25	Impacted

Agency Station ID: **363**
ENSR Station ID: **CTDEP-363**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	20	20	1	1997	1997	20	1	Sp
CHLA	ug/L									

WEST BRANCH FARMINGTON RIVER, CT	NEH	RIVERTON	129	Test

Agency Station ID: **01186000**
ENSR Station ID: **ST-01186000**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	5	5	5	1	1994	1994	5	1	Su
CHLA	ug/L									

WEST BRANCH NAUGATUCK RIVER, CT	NEH	TORRINGTON	32	Impacted

Agency Station ID: **357**
ENSR Station ID: **CTDEP-357**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	50	22	9	1997	1999	20	1	F/Sp/Su
CHLA	ug/L									

WEST BRANCH SALMON BROOK, CT	NECZ	GRANBY	20	Test

Agency Station ID: **359**
ENSR Station ID: **CTDEP-359**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	10	10	4	1998	1999	10	1	F/Sp/Su
CHLA	ug/L									

WEST BRANCH SAUGATUCK RIVER, CT	NECZ		12	Test

Agency Station ID: **01209400**
ENSR Station ID: **ST-01209400**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	10	10	1	1994	1994	10	1	F
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
WEST RIVER, CT	NECZ	NEW HAVEN	19	Test

Agency Station ID: **364**
ENSR Station ID: **CTDEP-364**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	20	13	3	1998	1998	10	3	F/Su
CHLA	ug/L									

WEST RIVER, CT	NECZ	GUILFORD	11	Test

Agency Station ID: **365**
ENSR Station ID: **CTDEP-365**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	10	10	3	1997	1998	10	3	F/Su
CHLA	ug/L									

WEST RIVER, CT	NECZ	GUILFORD	11	Test

Agency Station ID: **366**
ENSR Station ID: **CTDEP-366**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	10	10	1	1997	1997	10	3	F/Su
CHLA	ug/L									

WHETSTONE BROOK, CT	NECZ	KILLINGLY	14	Test

Agency Station ID: **471**
ENSR Station ID: **CTDEP-471**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	30	17	6	1999	2000	15	1	F/Sp/Su/W
CHLA	ug/L									

WHITFORD BROOK, CT	NECZ	GROTON	16	Test

Agency Station ID: **612**
ENSR Station ID: **CTDEP-612**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	60	30	6	2000	2001	35	1	F/Sp/Su/W
CHLA	ug/L									

WILLIMANTIC RIVER, CT	NECZ	MANSFIELD	99	Test

Agency Station ID: **367**
ENSR Station ID: **CTDEP-367**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	200	74	10	1999	2002	30	5	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
WILLIMANTIC RIVER, CT	NECZ	STAFFORD	54	Test

Agency Station ID: **457**
ENSR Station ID: **CTDEP-457**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	200	46	10	1999	2002	30	5	F/Sp/Su/W
CHLA	ug/L									

WILLIMANTIC RIVER, CT	NECZ	WILLINGTON	54	Test

Agency Station ID: **458**
ENSR Station ID: **CTDEP-458**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	300	73	16	1999	2002	30	5	F/Sp/Su/W
CHLA	ug/L									

WILLIMANTIC RIVER, CT	NECZ	MANSFIELD	126	Test

Agency Station ID: **460**
ENSR Station ID: **CTDEP-460**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	110	55	8	1999	2001	30	5	F/Sp/Su/W
CHLA	ug/L									

WILLIMANTIC RIVER, CT	NECZ	MERROW	99	Test

Agency Station ID: **01119375**
ENSR Station ID: **ST-01119375**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	340	2290	808	31	1990	1992	695	1	F/Sp/Su/W
TP	ug/L	5	200	26	65	1990	1997	30	5	F/Sp/Su/W
CHLA	ug/L									

WILLOW BROOK, CT	NECZ	BERLIN	30	Test

Agency Station ID: **376**
ENSR Station ID: **CTDEP-376**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	50	28	4	1999	2000	20	1	F/Sp/Su
CHLA	ug/L									

WILLOW BROOK, CT	NECZ		12	Test

Agency Station ID: **01196618**
ENSR Station ID: **ST-01196618**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	20	20	1	1995	1995	20	1	F/Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
WOOD RIVER, CT	NECZ	STERLING	5	Test

Agency Station ID: **374**
ENSR Station ID: **CTDEP-374**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	40	340	190	4	2000	2001	190	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
WYASSUP BROOK, CT	NECZ	NORTH STONINGTON	7	Test

Agency Station ID: **605**
ENSR Station ID: **CTDEP-605**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	50	23	4	2000	2001	15	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
YANTIC RIVER, CT	NECZ	BOZRAH	39	Test

Agency Station ID: **621**
ENSR Station ID: **CTDEP-621**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	30	20	4	2000	2001	20	3	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
YANTIC RIVER, CT	NECZ	NORWICH	94	Test

Agency Station ID: **622**
ENSR Station ID: **CTDEP-622**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	800	155	6	2000	2001	20	3	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
YANTIC RIVER, CT	NECZ		39	Test

Agency Station ID: **01127290**
ENSR Station ID: **ST-01127290**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	30	30	30	1	1994	1994	20	3	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
ALDER BROOK, MA	NECZ	NEEDHAM	2	Impacted

Agency Station ID: **AB01**
ENSR Station ID: **MADEP-AB01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	18	90	42	10	1997	1998	40	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
ALEWIFE BROOK, MA	NECZ	GLOUCESTER	1	Impacted

Agency Station ID: **AL01**
ENSR Station ID: **MADEP-AL01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	90	90	90	1	1997	1997	90	1	Su
CHLA	ug/L									

BEAR RIVER, MA	NEH	CONWAY	12	Test

Agency Station ID: **BE**
ENSR Station ID: **MADEP-BE**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	60	22	11	1995	1996	18	1	F/Sp/Su/W
CHLA	ug/L									

BEAVER BROOK, MA	NECZ	WALTHAM	250	Impacted

Agency Station ID: **BE00**
ENSR Station ID: **MADEP-BE00**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	41	159	97	5	1997	1998	53	2	F/Sp/Su/W
CHLA	ug/L									

BEAVER BROOK, MA	NECZ	WALTHAM	8	Impacted

Agency Station ID: **BE01**
ENSR Station ID: **MADEP-BE01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	150	161	156	2	1997	1997	53	2	F/Sp/Su/W
CHLA	ug/L									

BEAVER BROOK, MA	NECZ	DANVERS	2	Impacted

Agency Station ID: **CR03**
ENSR Station ID: **MADEP-CR03_BE**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	45	60	51	3	1997	1997	53	2	F/Sp/Su/W
CHLA	ug/L									

BLACK BROOK, MA	NECZ		3	Test

Agency Station ID: **BB01**
ENSR Station ID: **MADEP-BB01_BL**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	50	50	50	1	1995	1995	50	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
BLACKSTONE RIVER, MA	NECZ	WILKINSONVILLE	85	Impacted

Agency Station ID: **01109830**
ENSR Station ID: **ST-01109830**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	150	150	150	1	1993	1993	170	2	F/Sp/Su/W
CHLA	ug/L									

BLACKSTONE RIVER, MA	NECZ	MILLVILLE	262	Impacted

Agency Station ID: **01111230**
ENSR Station ID: **ST-01111230**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	800	4160	1695	35	1990	1992	1510	1	F/Sp/Su/W
TP	ug/L	40	860	212	72	1990	1997	170	2	F/Sp/Su/W
CHLA	ug/L									

BLACKSTONE RIVER, MA	NECZ	BLACKSTONE	357	Impacted

Agency Station ID: **01112000**
ENSR Station ID: **ST-01112000**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	40	260	200	6	1993	1994	170	2	F/Sp/Su/W
CHLA	ug/L									

BOSTON BROOK, MA	NECZ	MIDDLETON	8	Test

Agency Station ID: **BO01**
ENSR Station ID: **MADEP-BO01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	50	50	50	1	1995	1995	50	1	F
CHLA	ug/L									

BOZRAH BROOK, MA	NEH	CHARLEMONT	4	Test

Agency Station ID: **BO**
ENSR Station ID: **MADEP-BO**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	10	10	2	1996	1996	10	1	Sp
CHLA	ug/L									

BUNGAY RIVER, MA	NECZ	ATTLEBOROUGH	7	Test

Agency Station ID: **01109369**
ENSR Station ID: **ST-01109369**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	5	60	32	3	1993	1994	30	1	F/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
CADY BROOK, MA	NECZ		13	Impacted

Agency Station ID: **QR04**
ENSR Station ID: **MADEP-QR04**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	100	100	100	1	1994	1994	50	2	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
CADY BROOK, MA	NECZ		5	Impacted

Agency Station ID: **QR12**
ENSR Station ID: **MADEP-QR12**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	50	50	50	1	1994	1994	50	2	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
CAT BROOK, MA	NECZ	MANCHESTER	12	Test

Agency Station ID: **SM01**
ENSR Station ID: **MADEP-SM01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	14	110	42	8	1997	1998	34	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
CAT BROOK, MA	NECZ	MANCHESTER	4	Test

Agency Station ID: **SM02**
ENSR Station ID: **MADEP-SM02**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	62	62	62	1	1997	1997	34	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
CHARLES RIVER, MA	NECZ	WATERTOWN	296	Impacted

Agency Station ID: **CR00**
ENSR Station ID: **MADEP-CR00**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	34	90	55	3	1997	1998	45	3	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
CHARLES RIVER, MA	NEH	WATERTOWN	30	Impacted

Agency Station ID: **CR01**
ENSR Station ID: **MADEP-CR01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	44	82	60	5	1997	1997	58	1	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
CHARLES RIVER, MA	NECZ	WELLESLEY/DOVER	156	Impacted

Agency Station ID: **CR02**
ENSR Station ID: **MADEP-CR02**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	23	110	64	8	1997	1998	45	3	F/Sp/Su/W
CHLA	ug/L									

CHARLES RIVER, MA	NECZ	MEDWAY	65	Impacted

Agency Station ID: **CR03**
ENSR Station ID: **MADEP-CR03**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	70	44	8	1997	1998	45	3	F/Sp/Su/W
CHLA	ug/L									

CHARLES RIVER, MA	NECZ	DOVER	184	Impacted

Agency Station ID: **01103500**
ENSR Station ID: **ST-01103500**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	380	1440	1018	8	1991	1992	1052	1	F/Sp/Su/W
TP	ug/L	5	180	60	19	1990	1994	45	3	F/Sp/Su/W
CHLA	ug/L									

CHEESE CAKE BROOK, MA	NECZ	NEWTON	296	Impacted

Agency Station ID: **CB01**
ENSR Station ID: **MADEP-CB01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	19	107	48	8	1997	1998	45	1	F/Sp/Su/W
CHLA	ug/L									

CHICKLEY RIVER, MA	NEH	CHARLEMONT	27	Test

Agency Station ID: **CH**
ENSR Station ID: **MADEP-CH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	20	20	1	1996	1996	20	1	Sp
CHLA	ug/L									

CLARK BROOK, MA	NEH	BUCKLAND	3	Test

Agency Station ID: **CK**
ENSR Station ID: **MADEP-CK**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	10	10	1	1996	1996	10	1	Sp
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
CLESSON BROOK, MA	NEH	BUCKLAND	18	Test

Agency Station ID: **CL**
ENSR Station ID: **MADEP-CL**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	20	20	1	1996	1996	20	1	Sp
CHLA	ug/L									

COLD RIVER, MA	NEH	FLORIDA	30	Test

Agency Station ID: **CO**
ENSR Station ID: **MADEP-CO**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	20	20	1	1996	1996	20	1	Sp
CHLA	ug/L									

CRANE BROOK, MA	NECZ	DANVERS	3	Impacted

Agency Station ID: **CR02**
ENSR Station ID: **MADEP-CR02_CR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	40	51	44	3	1997	1997	24	2	F/Sp/Su
CHLA	ug/L									

CRANE BROOK, MA	NECZ	DANVERS	3	Impacted

Agency Station ID: **CR04**
ENSR Station ID: **MADEP-CR04**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	22	40	29	3	1997	1998	24	2	F/Sp/Su
CHLA	ug/L									

CRANE RIVER, MA	NECZ	DANVERS	5	Test

Agency Station ID: **CR01**
ENSR Station ID: **MADEP-CR01_CR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	25	99	60	7	1997	1998	46	1	F/Sp/Su/W
CHLA	ug/L									

DEERFIELD RIVER, MA	NECZ	GREENFIELD	663	Test

Agency Station ID: **5-10**
ENSR Station ID: **MADEP-5-10**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	19	160	56	9	1995	1996	22	3	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
DEERFIELD RIVER, MA	NECZ	DEERFIELD	571	Test

Agency Station ID: **LD**
ENSR Station ID: **MADEP-LD**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	70	27	13	1995	1996	22	3	F/Sp/Su/W
CHLA	ug/L									

DEERFIELD RIVER, MA	NEH	FLORIDA	263	Test

Agency Station ID: **UD01**
ENSR Station ID: **MADEP-UD01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	50	21	8	1995	1996	9	3	F/Sp/Su/W
CHLA	ug/L									

DEERFIELD RIVER, MA	NEH		263	Test

Agency Station ID: **UD02**
ENSR Station ID: **MADEP-UD02**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	12	20	16	3	1995	1996	9	3	F/Sp/Su/W
CHLA	ug/L									

DEERFIELD RIVER, MA	NEH	ZOAR	263	Test

Agency Station ID: **01168160**
ENSR Station ID: **ST-01168160**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	5	5	5	1	1995	1995	9	3	F/Sp/Su/W
CHLA	ug/L									

DEERFIELD RIVER, MA	NEH	CHARLEMONT	363	Test

Agency Station ID: **01168500**
ENSR Station ID: **ST-01168500**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	5	5	5	1	1995	1995	9	3	F/Sp/Su/W
CHLA	ug/L									

DEERFIELD RIVER, MA	NEH	WEST DEERFIELD	571	Test

Agency Station ID: **01170000**
ENSR Station ID: **ST-01170000**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	5	5	5	1	1994	1994	9	3	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
DEERFIELD RIVER, MA	NECZ	DEERFIELD	663	Test

Agency Station ID: **01170490**
ENSR Station ID: **ST-01170490**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	30	30	30	1	1995	1995	22	3	F/Sp/Su/W
CHLA	ug/L									

EAST BRANCH NORTH RIVER, MA	NEH		54	Test

Agency Station ID: **01168810**
ENSR Station ID: **ST-01168810**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	20	20	1	1994	1994	20	1	F
CHLA	ug/L									

EAST BRANCH, MA	NECZ		9	Test

Agency Station ID:
ENSR Station ID: **EMAP_MA001L**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	400	400	400	1	1991	1991	400	1	Su
TP	ug/L	36	36	36	1	1991	1991	36	1	Su
CHLA	ug/L	27.20	27.20	27.20	1	1991	1991	27	1	Su

ELM BROOK, MA	NECZ	BEDFORD	6	Test

Agency Station ID: **EB02**
ENSR Station ID: **MADEP-EB02**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	50	60	53	4	1995	1995	50	1	F/Su
CHLA	ug/L									

FARMINGTON RIVER - WEST BRANCH, MA	NEH	OTIS	59	Test

Agency Station ID: **FR02**
ENSR Station ID: **MADEP-FR02**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	21	15	7	1996	1996	10	2	F/Sp/Su/W
CHLA	ug/L									

FARMINGTON RIVER - WEST BRANCH, MA	NEH	OTIS	59	Test

Agency Station ID: **FR02B**
ENSR Station ID: **MADEP-FR02B**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	9	20	13	4	1996	1997	10	2	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
FARMINGTON RIVER - WEST BRANCH, MA	NEH	ROOSTERVILLE (SAND	95	Test

Agency Station ID: **FR03**
ENSR Station ID: **MADEP-FR03**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	23	14	18	1996	1997	10	2	F/Sp/Su/W
CHLA	ug/L									

FISH BROOK, MA	NECZ	TOPSFIELD/BOXFORD	18	Test

Agency Station ID: **FB01**
ENSR Station ID: **MADEP-FB01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	40	50	45	2	1995	1995	20	2	Su
CHLA	ug/L									

FISH BROOK, MA	NECZ	BOXFORD	15	Test

Agency Station ID: **FB02**
ENSR Station ID: **MADEP-FB02**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	20	20	1	1995	1995	20	2	Su
CHLA	ug/L									

FOREST RIVER, MA	NECZ	SALEM	3	Test

Agency Station ID: **FR01**
ENSR Station ID: **MADEP-FR01_FO**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	19	90	55	2	1997	1998	54	1	Sp/Su
CHLA	ug/L									

FORT RIVER, MA	NECZ		37	Test

Agency Station ID: **01171300**
ENSR Station ID: **ST-01171300**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	20	15	2	1994	1994	15	1	F/Su
CHLA	ug/L									

FRENCH RIVER, MA	NECZ		94	Impacted

Agency Station ID: **FR94-10**
ENSR Station ID: **MADEP-FR94-10**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	270	270	270	1	1994	1994	50	8	F
CHLA	ug/L									

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
FRENCH RIVER, MA	NECZ		15	Impacted

Agency Station ID: **FR94-3**
ENSR Station ID: **MADEP-FR94-3**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	50	50	50	1	1994	1994	50	8	F
CHLA	ug/L									

FRENCH RIVER, MA	NECZ		15	Impacted

Agency Station ID: **FR94-4**
ENSR Station ID: **MADEP-FR94-4**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	50	50	50	1	1994	1994	50	8	F
CHLA	ug/L									

FRENCH RIVER, MA	NECZ		21	Impacted

Agency Station ID: **FR94-5**
ENSR Station ID: **MADEP-FR94-5**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	50	50	50	1	1994	1994	50	8	F
CHLA	ug/L									

FRENCH RIVER, MA	NECZ		25	Impacted

Agency Station ID: **FR94-6**
ENSR Station ID: **MADEP-FR94-6**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	80	80	80	1	1994	1994	50	8	F
CHLA	ug/L									

FRENCH RIVER, MA	NECZ		32	Impacted

Agency Station ID: **FR94-7**
ENSR Station ID: **MADEP-FR94-7**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	50	50	50	1	1994	1994	50	8	F
CHLA	ug/L									

FRENCH RIVER, MA	NECZ		44	Impacted

Agency Station ID: **FR94-8**
ENSR Station ID: **MADEP-FR94-8**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	50	50	50	1	1994	1994	50	8	F
CHLA	ug/L									

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
FRENCH RIVER, MA	NECZ		60	Impacted

Agency Station ID: **FR94-9**
ENSR Station ID: **MADEP-FR94-9**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	30	30	30	1	1994	1994	50	8	F
CHLA	ug/L									

FROST FISH BROOK, MA	NEH	DANVERS	19	Test

Agency Station ID: **FF01**
ENSR Station ID: **MADEP-FF01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	32	32	32	1	1997	1997	32	1	Su
CHLA	ug/L									

FROST FISH BROOK, MA	NECZ	DANVERS	3	Test

Agency Station ID: **PR01**
ENSR Station ID: **MADEP-PR01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	12	136	56	10	1997	1998	33	1	F/Sp/Su/W
CHLA	ug/L									

FULLER BROOK, MA	NECZ	WELLESLEY	16	Impacted

Agency Station ID: **FB01**
ENSR Station ID: **MADEP-FB01_FU**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	24	60	46	11	1997	1998	37	1	F/Sp/Su/W
CHLA	ug/L									

GOLDTHWAIT BROOK, MA	NECZ	PEABODY	6	Test

Agency Station ID: **GB01**
ENSR Station ID: **MADEP-GB01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	15	52	30	3	1997	1998	24	1	F/Sp/W
CHLA	ug/L									

GRAVELLY BROOK, MA	NECZ	IPSWICH	2	Test

Agency Station ID: **GB01**
ENSR Station ID: **MADEP-GB01_GR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	50	50	50	1	1995	1995	50	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
GREEN RIVER, MA	NEH	WILLIAMSTOWN	43	Test

Agency Station ID: **GN01**
ENSR Station ID: **MADEP-GN01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	13	11	4	1997	1997	5	2	F/Sp/Su/W
CHLA	ug/L									

GREEN RIVER, MA	NECZ	GREENFIELD	90	Test

Agency Station ID: **GR**
ENSR Station ID: **MADEP-GR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	140	43	17	1995	1996	26	3	F/Sp/Su/W
CHLA	ug/L									

GREEN RIVER, MA	NEH	COLRAIN	42	Test

Agency Station ID: **01170100**
ENSR Station ID: **ST-01170100**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	5	40	10	35	1993	1995	5	2	F/Sp/Su/W
CHLA	ug/L									

GREEN RIVER, MA	NECZ	GREENFIELD	72	Test

Agency Station ID: **01170230**
ENSR Station ID: **ST-01170230**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	5	5	5	1	1995	1995	26	3	F/Sp/Su/W
CHLA	ug/L									

GREEN RIVER, MA	NECZ	GREENFIELD	90	Test

Agency Station ID: **01170485**
ENSR Station ID: **ST-01170485**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	600	600	600	1	1995	1995	26	3	F/Sp/Su/W
CHLA	ug/L									

GREEN RIVER, MA	NEH	BARRINGTON	53	Test

Agency Station ID: **01198000**
ENSR Station ID: **ST-01198000**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	20	20	1	1994	1994	5	2	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
HAWKES BROOK, MA	NECZ	NORTH SAUGUS	2	Test

Agency Station ID: **HB01**
ENSR Station ID: **MADEP-HB01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	42	96	64	6	1997	1998	57	2	F/Su/W
CHLA	ug/L									

HAWKES BROOK, MA	NECZ	LYNNFIELD	1	Test

Agency Station ID: **HB02**
ENSR Station ID: **MADEP-HB02**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	50	202	101	4	1997	1997	57	2	F/Su/W
CHLA	ug/L									

HOOSIC RIVER - NORTH BRANCH, MA	NEH	NORTH ADAMS	44	Test

Agency Station ID: **HR09A**
ENSR Station ID: **MADEP-HR09A**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	18	60	39	2	1997	1997	39	1	F/Su
CHLA	ug/L									

HOOSIC RIVER, MA	NEH	WILLIAMSTOWN	210	Test

Agency Station ID: **HR02**
ENSR Station ID: **MADEP-HR02**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	25	74	50	4	1997	1997	23	5	F/Su
CHLA	ug/L									

HOOSIC RIVER, MA	NEH	WILLIAMSTOWN	178	Test

Agency Station ID: **HR03**
ENSR Station ID: **MADEP-HR03**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	18	20	19	2	1997	1997	23	5	F/Su
CHLA	ug/L									

HOOSIC RIVER, MA	NEH	WILLIAMSTOWN	178	Test

Agency Station ID: **HR03D**
ENSR Station ID: **MADEP-HR03D**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	30	50	40	2	1997	1997	23	5	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
HOOSIC RIVER, MA	NEH	NORTH ADAMS	74	Test

Agency Station ID: **HR07**
ENSR Station ID: **MADEP-HR07**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	18	40	29	3	1997	1997	23	5	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
HOOSIC RIVER, MA	NEH	ADAMS	74	Test

Agency Station ID: **HR07A**
ENSR Station ID: **MADEP-HR07A**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	11	20	15	4	1997	1997	23	5	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
HOOSIC RIVER, MA	NEH	CHESHIRE	15	Test

Agency Station ID: **HR08A**
ENSR Station ID: **MADEP-HR08A**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	16	30	24	4	1997	1997	23	5	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
HOOSIC RIVER, MA	NEH	WILLIAMSTOWN	210	Test

Agency Station ID: **01333300**
ENSR Station ID: **ST-01333300**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	30	25	2	1993	1994	23	5	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
HOUSATONIC RIVER, MA	NEH	ASHLEY FALLS	468	Test

Agency Station ID: **01198125**
ENSR Station ID: **ST-01198125**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	450	1410	922	13	1991	1992	762	2	F/Sp/Su/W
TP	ug/L	5	140	50	50	1991	1997	30	2	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
HOUSATONIC RIVER, MA	NEH	SODOM	473	Test

Agency Station ID: **01198135**
ENSR Station ID: **ST-01198135**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	470	1760	958	18	1990	1991	762	2	F/Sp/Su/W
TP	ug/L	20	90	45	18	1990	1991	30	2	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
HOWLETT BROOK, MA	NECZ	TOPSFIELD	10	Test

Agency Station ID: **HB02**
ENSR Station ID: **MADEP-HB02_HO**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	50	50	50	1	1995	1995	50	1	Su
CHLA	ug/L									

IPSWICH RIVER, MA	NECZ	NORTH READING/REA	18	Impacted

Agency Station ID: **IP02**
ENSR Station ID: **MADEP-IP02**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	80	120	95	4	1995	1995	24	5	F/Sp/Su/W
CHLA	ug/L									

IPSWICH RIVER, MA	NECZ	NORTH READING	38	Impacted

Agency Station ID: **IP04.5**
ENSR Station ID: **MADEP-IP04.5**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	50	50	50	1	1995	1995	24	5	F/Sp/Su/W
CHLA	ug/L									

IPSWICH RIVER, MA	NECZ	PEABODY/MIDDLETON	47	Impacted

Agency Station ID: **IP06**
ENSR Station ID: **MADEP-IP06**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	50	32	14	1995	1996	24	5	F/Sp/Su/W
CHLA	ug/L									

IPSWICH RIVER, MA	NECZ	MIDDLETON	75	Impacted

Agency Station ID: **IP09**
ENSR Station ID: **MADEP-IP09**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	50	50	50	1	1995	1995	24	5	F/Sp/Su/W
CHLA	ug/L									

IPSWICH RIVER, MA	NECZ	IPSWICH	122	Impacted

Agency Station ID: **IP15.5**
ENSR Station ID: **MADEP-IP15.5**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	14	50	25	18	1995	1996	24	5	F/Sp/Su/W
CHLA	ug/L									

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
IPSWICH RIVER, MA	NECZ	IPSWICH	122	Impacted

Agency Station ID: **IP16**
ENSR Station ID: **MADEP-IP16**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	50	32	5	1995	1996	24	5	F/Sp/Su/W
CHLA	ug/L									

IPSWICH RIVER, MA	NECZ	IPSWICH	150	Impacted

Agency Station ID: **IP17**
ENSR Station ID: **MADEP-IP17**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	30	30	30	1	1995	1995	24	5	F/Sp/Su/W
CHLA	ug/L									

KIMBALL BROOK, MA	NECZ		4	Impacted

Agency Station ID: **KB01**
ENSR Station ID: **MADEP-KB01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	40	30	2	1995	1995	30	1	F
CHLA	ug/L									

KONKAPOT RIVER, MA	NEH	SHEFFIELD, (LOCALITY	62	Test

Agency Station ID: **KR01**
ENSR Station ID: **MADEP-KR01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	11	17	15	5	1997	1997	10	7	F/Su
CHLA	ug/L									

KONKAPOT RIVER, MA	NEH	NEW MARLBOROUGH	39	Test

Agency Station ID: **KR07**
ENSR Station ID: **MADEP-KR07**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	26	13	6	1997	1997	10	7	F/Su
CHLA	ug/L									

KONKAPOT RIVER, MA	NEH	MONTEREY	4	Test

Agency Station ID: **KR12**
ENSR Station ID: **MADEP-KR12**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	12	18	15	5	1997	1997	10	7	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
KONKAPOT RIVER, MA	NEH		39	Test

Agency Station ID: **01198158**
ENSR Station ID: **ST-01198158**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	5	5	5	1	1994	1994	10	7	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
KONKAPOT RIVER, MA	NEH		39	Test

Agency Station ID: **01198159**
ENSR Station ID: **ST-01198159**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	5	5	5	1	1994	1994	10	7	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
KONKAPOT RIVER, MA	NEH	CLAYTON	62	Test

Agency Station ID: **01198180**
ENSR Station ID: **ST-01198180**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	10	10	1	1994	1994	10	7	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
KONKAPOT RIVER, MA	NEH	ASHLEY FALLS	62	Test

Agency Station ID: **01198200**
ENSR Station ID: **ST-01198200**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	10	10	1	1994	1994	10	7	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
LABOR IN VAIN CREEK, MA	NECZ		1	Impacted

Agency Station ID: **LV01**
ENSR Station ID: **MADEP-LV01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	70	100	85	2	1995	1995	60	2	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
LABOR IN VAIN CREEK, MA	NECZ		2	Impacted

Agency Station ID: **LV03**
ENSR Station ID: **MADEP-LV03**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	50	50	50	1	1995	1995	60	2	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
LONG CAUSEWAY BROOK, MA	NECZ		1	Test

Agency Station ID: **MR04**
ENSR Station ID: **MADEP-MR04**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	140	140	140	1	1995	1995	140	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
LUBBERS BROOK, MA	NECZ	WILMINGTON	6	Test

Agency Station ID: **LB02**
ENSR Station ID: **MADEP-LB02**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	50	50	50	1	1995	1995	50	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MAPLE MEADOW BROOK, MA	NECZ	WILMINGTON	8	Test

Agency Station ID: **MM01**
ENSR Station ID: **MADEP-MM01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	50	50	50	1	1995	1995	50	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MARSH BROOK, MA	NEH		4	Test

Agency Station ID: **01197300**
ENSR Station ID: **ST-01197300**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	40	40	40	1	1994	1994	40	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MARTINS BROOK, MA	NECZ	NORTH READING	9	Impacted

Agency Station ID: **MB01**
ENSR Station ID: **MADEP-MB01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	40	50	45	2	1995	1995	42	1	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MARTINS BROOK, MA	NECZ	NORTH READING	14	Impacted

Agency Station ID: **MB02**
ENSR Station ID: **MADEP-MB02**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	40	50	45	2	1995	1995	42	1	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MERRIMACK RIVER, MA	NECZ	LOWELL	4126	Impacted

Agency Station ID: **01096550**
ENSR Station ID: **ST-01096550**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	240	1010	559	12	1991	1992	528	1	F/Sp/Su/W
TP	ug/L	20	200	72	30	1990	1995	58	1	F/Sp/Su/W
CHLA	ug/L									

MILES RIVER, MA	NECZ		16	Impacted

Agency Station ID: **MR01**
ENSR Station ID: **MADEP-MR01_MI**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	30	50	43	4	1995	1995	42	1	F/Su
CHLA	ug/L									

MILL BROOK, MA	NEH	CHARLEMONT	360	Test

Agency Station ID: **MI**
ENSR Station ID: **MADEP-MI**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	10	10	1	1996	1996	10	1	Sp
CHLA	ug/L									

MILL RIVER, MA	NECZ	WAKEFIELD	20	Test

Agency Station ID: **MR01**
ENSR Station ID: **MADEP-MR01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	30	214	104	4	1997	1998	46	5	F/Su/W
CHLA	ug/L									

MILL RIVER, MA	NECZ	WAKEFIELD	16	Test

Agency Station ID: **MR03**
ENSR Station ID: **MADEP-MR03**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	30	126	91	3	1997	1997	46	5	F/Su/W
CHLA	ug/L									

MILL RIVER, MA	NECZ	WAKEFIELD	16	Test

Agency Station ID: **MRP1**
ENSR Station ID: **MADEP-MRP1**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	33	59	46	2	1997	1997	46	5	F/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MILL RIVER, MA	NECZ	WAKEFIELD	16	Test

Agency Station ID: **MRP2**
ENSR Station ID: **MADEP-MRP2**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	27	27	27	1	1997	1997	46	5	F/Su/W
CHLA	ug/L									

MILL RIVER, MA	NECZ	NORTHAMPTON	55	Test

Agency Station ID: **01171500**
ENSR Station ID: **ST-01171500**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	1800	1800	1800	1	1994	1994	46	5	F/Su/W
CHLA	ug/L									

MILL RIVER, MA	NECZ	SPRINGFIELD	34	Test

Agency Station ID: **01178000**
ENSR Station ID: **ST-01178000**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	40	40	40	1	1994	1994	46	5	F/Su/W
CHLA	ug/L									

MILLERS RIVER, MA	NEH		24	Impacted

Agency Station ID: **01161400**
ENSR Station ID: **ST-01161400**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	10	10	1	1994	1994	28	2	F/Su
CHLA	ug/L									

MILLERS RIVER, MA	NEH		56	Impacted

Agency Station ID: **01161470**
ENSR Station ID: **ST-01161470**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	20	20	1	1994	1994	28	2	F/Su
CHLA	ug/L									

MILLERS RIVER, MA	NEH	WINCHENDON	86	Impacted

Agency Station ID: **01162000**
ENSR Station ID: **ST-01162000**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	30	60	45	2	1994	1994	28	2	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MOOSE BROOK, MA	NECZ		10	Test

Agency Station ID: **01173315**
ENSR Station ID: **ST-01173315**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	30	30	30	1	1994	1994	30	1	F
CHLA	ug/L									

MUDDY BROOK, MA	NECZ		8	Test

Agency Station ID:
ENSR Station ID: **EMAP_MA501L**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	296	296	296	1	1993	1993	296	1	Su
TP	ug/L	30	30	30	1	1993	1993	30	1	Su
CHLA	ug/L	7.20	7.20	7.20	1	1993	1993	7	1	Su

NASHUA RIVER, MA	NECZ	EAST PEPPERELL	434	Impacted

Agency Station ID: **01096500**
ENSR Station ID: **ST-01096500**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	40	100	65	4	1993	1994	60	1	F/Su/W
CHLA	ug/L									

NEMASKET RIVER, MA	NECZ	MIDDLEBORO	51	Test

Agency Station ID: **NK01**
ENSR Station ID: **MADEP-NK01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	12	31	20	6	1996	1996	43	7	F/Su
CHLA	ug/L									

NEMASKET RIVER, MA	NECZ	MIDDLEBORO	70	Test

Agency Station ID: **NK01A**
ENSR Station ID: **MADEP-NK01A**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	17	67	41	5	1996	1996	43	7	F/Su
CHLA	ug/L									

NEMASKET RIVER, MA	NECZ	MIDDLEBORO	70	Test

Agency Station ID: **NK02**
ENSR Station ID: **MADEP-NK02**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	19	71	43	6	1996	1996	43	7	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
NEMASKET RIVER, MA	NECZ	MIDDLEBORO	70	Test

Agency Station ID: **NK03**
ENSR Station ID: **MADEP-NK03**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	17	57	39	5	1996	1996	43	7	F/Su
CHLA	ug/L									

NEMASKET RIVER, MA	NECZ	MIDDLEBORO	70	Test

Agency Station ID: **NK03A**
ENSR Station ID: **MADEP-NK03A**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	64	44	6	1996	1996	43	7	F/Su
CHLA	ug/L									

NEMASKET RIVER, MA	NECZ	MIDDLEBORO	70	Test

Agency Station ID: **NK04**
ENSR Station ID: **MADEP-NK04**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	28	107	67	6	1996	1996	43	7	F/Su
CHLA	ug/L									

NEMASKET RIVER, MA	NECZ	MIDDLEBORO	70	Test

Agency Station ID: **NK05**
ENSR Station ID: **MADEP-NK05**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	31	105	79	6	1996	1996	43	7	F/Su
CHLA	ug/L									

NORRIS BROOK, MA	NECZ	PEABODY	4	Impacted

Agency Station ID: **NB01**
ENSR Station ID: **MADEP-NB01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	40	80	60	3	1995	1995	55	1	F/Su
CHLA	ug/L									

NORTH RIVER, MA	NEH	COLRAIN	91	Impacted

Agency Station ID: **NO**
ENSR Station ID: **MADEP-NO**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	260	74	13	1995	1996	38	4	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
NORTH RIVER, MA	NEH	PEABODY	93	Impacted

Agency Station ID: **NR01**
ENSR Station ID: **MADEP-NR01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	29	138	71	10	1997	1998	38	4	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
NORTH RIVER, MA	NEH	GRISWOLDVILLE	91	Impacted

Agency Station ID: **01168992**
ENSR Station ID: **ST-01168992**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	70	70	70	1	1994	1994	38	4	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
NORTH RIVER, MA	NEH	SHATTUCKVILLE	91	Impacted

Agency Station ID: **01169000**
ENSR Station ID: **ST-01169000**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	100	370	235	2	1994	1995	38	4	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
OTTER RIVER, MA	NEH	GARDNER	21	Impacted

Agency Station ID: **M01**
ENSR Station ID: **MADEP-M01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	50	90	63	12	1995	1995	668	1	Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
OTTER RIVER, MA	NEH	GARDNER/TEMPLETO	21	Impacted

Agency Station ID: **M02**
ENSR Station ID: **MADEP-M02**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	140	240	199	14	1995	1995	668	1	Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
OTTER RIVER, MA	NEH	TEMPLETON	34	Impacted

Agency Station ID: **M03**
ENSR Station ID: **MADEP-M03**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	140	250	187	9	1995	1995	668	1	Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
OTTER RIVER, MA	NEH	TEMPLETON	46	Impacted

Agency Station ID: **M04**
ENSR Station ID: **MADEP-M04**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	60	260	128	9	1995	1995	668	1	Sp/Su
CHLA	ug/L									

OTTER RIVER, MA	NEH	TEMPLETON	46	Impacted

Agency Station ID: **M05**
ENSR Station ID: **MADEP-M05**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	80	150	117	9	1995	1995	668	1	Sp/Su
CHLA	ug/L									

OTTER RIVER, MA	NEH	TEMPLETON	46	Impacted

Agency Station ID: **M06**
ENSR Station ID: **MADEP-M06**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	220	410	328	9	1995	1995	668	1	Sp/Su
CHLA	ug/L									

OTTER RIVER, MA	NEH	WINCHENDON	62	Impacted

Agency Station ID: **M07**
ENSR Station ID: **MADEP-M07**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	90	1100	253	9	1995	1995	668	1	Sp/Su
CHLA	ug/L									

OTTER RIVER, MA	NEH		46	Impacted

Agency Station ID: **MA010034**
ENSR Station ID: **MADEP-MA0100340**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	1000	1400	1200	2	1996	1996	668	1	Sp/Su
CHLA	ug/L									

OTTER RIVER, MA	NEH	OTTER RIVER	34	Impacted

Agency Station ID: **01163200**
ENSR Station ID: **ST-01163200**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	90	90	90	1	1994	1994	668	1	Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
PARKER RIVER, MA	NECZ	BYFIELD	22	Test

Agency Station ID: **01101000**
ENSR Station ID: **ST-01101000**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	20	20	1	1993	1993	20	1	F
CHLA	ug/L									

PELHAM BROOK, MA	NEH	CHARLEMONT	14	Test

Agency Station ID: **PE**
ENSR Station ID: **MADEP-PE**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	10	10	1	1996	1996	10	1	Sp
CHLA	ug/L									

POWISSETT BROOK, MA	NECZ	DOVER	2	Test

Agency Station ID: **PB01**
ENSR Station ID: **MADEP-PB01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	15	70	35	4	1997	1998	35	1	Sp/Su
CHLA	ug/L									

PRIEST BROOK, MA	NEH	WINCHENDON	20	Test

Agency Station ID: **01162500**
ENSR Station ID: **ST-01162500**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	50	50	50	1	1994	1994	50	1	Su
CHLA	ug/L									

QUINEBAUG RIVER, MA	NECZ		66	Impacted

Agency Station ID: **QR01**
ENSR Station ID: **MADEP-QR01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	50	50	50	1	1994	1994	65	6	Su
CHLA	ug/L									

QUINEBAUG RIVER, MA	NECZ		76	Impacted

Agency Station ID: **QR02**
ENSR Station ID: **MADEP-QR02**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	60	60	60	1	1994	1994	65	6	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
QUINEBAUG RIVER, MA	NECZ		104	Impacted

Agency Station ID: **QR03**
ENSR Station ID: **MADEP-QR03**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	70	70	70	1	1994	1994	65	6	Su
CHLA	ug/L									

QUINEBAUG RIVER, MA	NECZ		1	Impacted

Agency Station ID: **QR05**
ENSR Station ID: **MADEP-QR05**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	120	120	120	1	1994	1994	65	6	Su
CHLA	ug/L									

QUINEBAUG RIVER, MA	NECZ		132	Impacted

Agency Station ID: **QR08**
ENSR Station ID: **MADEP-QR08**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	60	60	60	2	1994	1994	65	6	Su
CHLA	ug/L									

QUINEBAUG RIVER, MA	NECZ		141	Impacted

Agency Station ID: **QR09**
ENSR Station ID: **MADEP-QR09**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	100	100	100	1	1994	1994	65	6	Su
CHLA	ug/L									

RAWSON BROOK, MA	NEH		9	Test

Agency Station ID: **01198151**
ENSR Station ID: **ST-01198151**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	5	5	5	1	1994	1994	5	1	F
CHLA	ug/L									

ROCK MEADOW BROOK, MA	NECZ	WESTWOOD	3	Test

Agency Station ID: **RM01**
ENSR Station ID: **MADEP-RM01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	22	50	33	6	1997	1998	29	1	Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
ROGERS BROOK, MA	NECZ		4	Test

Agency Station ID: **RB01**
ENSR Station ID: **MADEP-RB01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	50	110	65	4	1995	1995	50	2	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
ROGERS BROOK, MA	NECZ	ANDOVER	1	Test

Agency Station ID: **RB02**
ENSR Station ID: **MADEP-RB02**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	50	50	50	4	1995	1995	50	2	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SAUGUS RIVER, MA	NECZ	WAKEFIELD	16	Impacted

Agency Station ID: **SD01**
ENSR Station ID: **MADEP-SD01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	42	71	57	2	1997	1997	61	4	F/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SAUGUS RIVER, MA	NECZ	SAUGUS	34	Impacted

Agency Station ID: **SR01**
ENSR Station ID: **MADEP-SR01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	21	80	43	12	1997	1998	61	4	F/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SAUGUS RIVER, MA	NECZ	SAUGUS	24	Impacted

Agency Station ID: **SR02**
ENSR Station ID: **MADEP-SR02**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	26	73	54	5	1997	1998	61	4	F/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SAUGUS RIVER, MA	NECZ	WAKEFIELD/LYNNFIEL	16	Impacted

Agency Station ID: **SR03**
ENSR Station ID: **MADEP-SR03**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	24	100	55	6	1997	1998	61	4	F/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SAUGUS RIVER, MA	NECZ		1	Impacted

Agency Station ID: **SR04**
ENSR Station ID: **MADEP-SR04**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	80	140	110	2	1997	1997	61	4	F/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SAWMILL BROOK, MA	NECZ		3	Impacted

Agency Station ID: **SB01**
ENSR Station ID: **MADEP-SB01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	51	274	126	6	1997	1998	110	1	Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SHALES BROOK, MA	NEH	BECKET	3	Test

Agency Station ID: **SH04**
ENSR Station ID: **MADEP-SH04**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	30	20	2	1996	1996	20	1	Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SHAWSHEEN RIVER, MA	NECZ	BEDFORD	8	Impacted

Agency Station ID: **SH01**
ENSR Station ID: **MADEP-SH01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	50	50	50	4	1995	1995	50	10	F/Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SHAWSHEEN RIVER, MA	NECZ	BEDFORD	3	Impacted

Agency Station ID: **SH01A-MA**
ENSR Station ID: **MADEP-SH01A-MA**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	50	50	50	3	1995	1995	50	10	F/Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SHAWSHEEN RIVER, MA	NECZ	BEDFORD	3	Impacted

Agency Station ID: **SH01A-US**
ENSR Station ID: **MADEP-SH01A-US**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	50	50	50	3	1995	1995	50	10	F/Sp/Su
CHLA	ug/L									

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
SHAWSHEEN RIVER, MA	NECZ	LINCOLN	3	Impacted

Agency Station ID: **SH01B**
ENSR Station ID: **MADEP-SH01B**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	50	50	50	4	1995	1995	50	10	F/Sp/Su
CHLA	ug/L									

SHAWSHEEN RIVER, MA	NECZ	BEDFORD	14	Impacted

Agency Station ID: **SH02**
ENSR Station ID: **MADEP-SH02**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	50	50	50	4	1995	1995	50	10	F/Sp/Su
CHLA	ug/L									

SHAWSHEEN RIVER, MA	NECZ	BILLERICA	31	Impacted

Agency Station ID: **SH06**
ENSR Station ID: **MADEP-SH06**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	50	60	53	7	1995	1995	50	10	F/Sp/Su
CHLA	ug/L									

SHAWSHEEN RIVER, MA	NECZ		37	Impacted

Agency Station ID: **SH07**
ENSR Station ID: **MADEP-SH07**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	50	50	50	4	1995	1995	50	10	F/Sp/Su
CHLA	ug/L									

SHAWSHEEN RIVER, MA	NECZ	ANDOVER	66	Impacted

Agency Station ID: **SH08**
ENSR Station ID: **MADEP-SH08**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	50	50	50	4	1995	1995	50	10	F/Sp/Su
CHLA	ug/L									

SHAWSHEEN RIVER, MA	NECZ	ANDOVER	71	Impacted

Agency Station ID: **SH10**
ENSR Station ID: **MADEP-SH10**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	50	50	50	3	1995	1995	50	10	F/Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SHAWSHEEN RIVER, MA	NECZ	NORTH ANDOVER/LAW	78	Impacted

Agency Station ID: **SH11**
ENSR Station ID: **MADEP-SH11**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	50	50	50	3	1995	1995	50	10	F/Sp/Su
CHLA	ug/L									

SHAWSHEEN RIVER, MA	NECZ	BEDFORD	3	Impacted

Agency Station ID: **01100568**
ENSR Station ID: **ST-01100568**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	210	90	3	1995	1996	50	10	F/Sp/Su
CHLA	ug/L									

SOUTH MEADOW BROOK, MA	NECZ	NEWTON	212	Test

Agency Station ID: **SM01**
ENSR Station ID: **MADEP-SM01_SO**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	28	198	90	8	1997	1998	74	1	F/Sp/Su/W
CHLA	ug/L									

SOUTH RIVER, MA	NEH	CONWAY	26	Test

Agency Station ID: **SO**
ENSR Station ID: **MADEP-SO**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	130	30	15	1995	1996	10	2	F/Sp/Su/W
CHLA	ug/L									

SOUTH RIVER, MA	NEH	CONWAY	26	Test

Agency Station ID: **01169900**
ENSR Station ID: **ST-01169900**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	5	5	5	2	1994	1994	10	2	F/Sp/Su/W
CHLA	ug/L									

STONY BROOK, MA	NECZ	WESTON	11	Impacted

Agency Station ID: **ST01**
ENSR Station ID: **MADEP-ST01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	80	28	5	1997	1997	18	1	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
STRONG WATER BROOK, MA	NECZ	TEWKSBURY	47	Test

Agency Station ID: **SW01**
ENSR Station ID: **MADEP-SW01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	70	100	80	3	1995	1995	70	1	Su
CHLA	ug/L									

SUDBURY RIVER, MA	NECZ	ASHLAND	35	Test

Agency Station ID: **01097480**
ENSR Station ID: **ST-01097480**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	5	30	13	3	1994	1994	30	2	F/Sp/Su
CHLA	ug/L									

SUDBURY RIVER, MA	NECZ	WAYLAND	142	Test

Agency Station ID: **01098805**
ENSR Station ID: **ST-01098805**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	5	80	56	4	1994	1994	30	2	F/Sp/Su
CHLA	ug/L									

TAUNTON RIVER, MA	NECZ	BRIDGEWATER	272	Impacted

Agency Station ID: **01108000**
ENSR Station ID: **ST-01108000**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	100	100	100	1	1996	1996	100	1	F
CHLA	ug/L									

TEN MILE RIVER, MA	NECZ	HEBRONVILLE	27	Impacted

Agency Station ID: **01109382**
ENSR Station ID: **ST-01109382**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	120	140	130	2	1993	1993	130	1	F/W
CHLA	ug/L									

TOWN MEADOW BROOK, MA	NECZ		4	Test

Agency Station ID: **FR94-2**
ENSR Station ID: **MADEP-FR94-2**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	50	50	50	1	1994	1994	50	1	F
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
TROUT BROOK, MA	NECZ	DOVER	4	Test

Agency Station ID: **TB01**
ENSR Station ID: **MADEP-TB01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	10	29	16	8	1997	1998	15	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
UNNAMED WHITEHALL TRIBUTARY, MA	NECZ		4	Test

Agency Station ID: **01097457**
ENSR Station ID: **ST-010974573**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	20	20	1	1994	1994	20	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
VINE BROOK, MA	NECZ	BEDFORD	10	Test

Agency Station ID: **VB01**
ENSR Station ID: **MADEP-VB01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	50	60	55	4	1995	1995	55	1	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
WABAN BROOK, MA	NECZ	WELLESLEY	16	Test

Agency Station ID: **WB01**
ENSR Station ID: **MADEP-WB01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	15	61	26	7	1997	1998	19	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
WARE RIVER, MA	NECZ	BARRE	56	Impacted

Agency Station ID: **01172500**
ENSR Station ID: **ST-01172500**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	30	30	30	1	1994	1994	30	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
WATERS RIVER, MA	NECZ	PEABODY	2	Test

Agency Station ID: **WA01**
ENSR Station ID: **MADEP-WA01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	23	82	41	7	1997	1998	43	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
WESFIELD RIVER, MA	NEH		321	Test

Agency Station ID: **42133207**
ENSR Station ID: **ST-421332072521601**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	5	5	5	1	1995	1995	5	1	F
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
WEST BRANCH WESFIELD RIVER, MA	NEH		90	Test

Agency Station ID: **42143707**
ENSR Station ID: **ST-421437072545701**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	5	5	5	1	1995	1995	5	2	F
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
WEST BRANCH WESFIELD RIVER, MA	NEH		53	Test

Agency Station ID: **42175907**
ENSR Station ID: **ST-421759072590401**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	5	5	5	1	1995	1995	5	2	F
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
WILLIAMS RIVER, MA	NEH		44	Test

Agency Station ID: **01197802**
ENSR Station ID: **ST-01197802**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	20	20	1	1994	1994	20	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
WILLS BROOK, MA	NECZ	LYNNFIELD	2	Impacted

Agency Station ID: **WB01**
ENSR Station ID: **MADEP-WB01_WI**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	50	50	50	1	1995	1995	50	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
ANDROSCOGGIN RIVER, ME	LPH	BRUNSWICK	3444	Test

Agency Station ID: **01059400**
ENSR Station ID: **ST-01059400**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	200	880	529	14	1990	1992	485	1	F/Sp/Su/W
TP	ug/L	20	390	60	25	1990	1995	40	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
CARRABASSETT STREAM, ME	LPH		85	Test

Agency Station ID: **CT**
ENSR Station ID: **MEDEP-Ken_CT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	15	16	15	4	1997	1998	15	1	Su
CHLA	ug/L	1.19	1.70	1.46	4	1997	1998	1	1	Su

CASCADE BROOK, ME	LPH		26	Test

Agency Station ID: **CaS**
ENSR Station ID: **MEDEP-PISC_CAS**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	13	13	13	1	1997	1997	13	1	Su
CHLA	ug/L	1.71	1.71	1.71	1	1997	1997	2	1	Su

COBBOSSEECONTE STREAM, ME	LPH		216	Test

Agency Station ID: **CB**
ENSR Station ID: **MEDEP-Ken_CB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	22	28	25	6	1997	1998	24	1	Su
CHLA	ug/L	1.77	14.02	7.94	6	1997	1998	8	1	Su

COCHECO RIVER, ME	NECZ		178	Test

Agency Station ID: **Coch**
ENSR Station ID: **MEDEP-SAL_COCH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	59	150	102	7	1991	1992	120	1	Su
CHLA	ug/L	3.20	51.60	19.01	7	1991	1992	8	1	Su

COLLINS POND OUTLET BROOK, ME	NECZ		1	Test

Agency Station ID: **43493707**
ENSR Station ID: **ST-434937070253501**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	5	5	5	1	1996	1996	5	1	Su
CHLA	ug/L									

CROOKED RIVER, ME	NEH	NAPLES	149	Test

Agency Station ID: **01063100**
ENSR Station ID: **ST-01063100**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	5	5	5	2	1996	1996	5	1	Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
EAST BRANCH PENOBSCOT, ME	LPH		1116	Test

Agency Station ID: **EBPn**
ENSR Station ID: **MEDEP-PEN-EBPn**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	7	10	8	3	1998	1998	7	1	Su
CHLA	ug/L	0.90	1.10	0.97	3	1998	1998	1	1	Su

GREAT WORKS RIVER, ME	NECZ		66	Test

Agency Station ID: **GWR**
ENSR Station ID: **MEDEP-SAL_GWR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	29	33	31	4	1992	1992	32	1	Su
CHLA	ug/L	4.90	56.60	20.28	6	1992	1992	9	1	Su

KENDUSKEAG RIVER, ME	LPH		175	Test

Agency Station ID: **KeS**
ENSR Station ID: **MEDEP-PEN-KeS**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	13	13	13	1	1998	1998	13	1	Su
CHLA	ug/L	1.80	1.80	1.80	1	1998	1998	2	1	Su

KENNEBEC RIVER, ME	LPH	MADISON	5	Impacted

Agency Station ID: **K1**
ENSR Station ID: **MEDEP-Ken_K1**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	6	7	7	6	1997	1998	30	1	F/Sp/Su/W
CHLA	ug/L	0.54	1.07	0.89	5	1997	1998	3	11	Su

KENNEBEC RIVER, ME	LPH		5394	Impacted

Agency Station ID: **K10**
ENSR Station ID: **MEDEP-Ken_K10**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	40	49	45	7	1997	1998	30	1	F/Sp/Su/W
CHLA	ug/L	1.80	7.77	3.89	7	1997	1998	3	11	Su

KENNEBEC RIVER, ME	LPH		5470	Impacted

Agency Station ID: **K12**
ENSR Station ID: **MEDEP-Ken_K12**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	41	50	44	7	1997	1998	30	1	F/Sp/Su/W
CHLA	ug/L	2.55	10.87	6.14	7	1997	1998	3	11	Su

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
KENNEBEC RIVER, ME	LPH		3877	Impacted

Agency Station ID: **K3**
ENSR Station ID: **MEDEP-Ken_K3**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	13	29	20	6	1997	1998	30	1	F/Sp/Su/W
CHLA	ug/L	0.94	2.02	1.46	6	1997	1998	3	11	Su

KENNEBEC RIVER, ME	LPH	SKOWHEGAN	3889	Impacted

Agency Station ID: **K4**
ENSR Station ID: **MEDEP-Ken_K4**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L									
CHLA	ug/L	0.98	3.51	1.89	6	1997	1998	3	11	Su

KENNEBEC RIVER, ME	LPH		4057	Impacted

Agency Station ID: **K5**
ENSR Station ID: **MEDEP-Ken_K5**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	12	25	20	6	1997	1998	30	1	F/Sp/Su/W
CHLA	ug/L	0.64	4.22	2.22	6	1997	1998	3	11	Su

KENNEBEC RIVER, ME	LPH		4225	Impacted

Agency Station ID: **K7**
ENSR Station ID: **MEDEP-Ken_K7**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	27	46	38	6	1997	1998	30	1	F/Sp/Su/W
CHLA	ug/L	1.48	6.50	3.13	6	1997	1998	3	11	Su

KENNEBEC RIVER, ME	LPH		4225	Impacted

Agency Station ID: **K8**
ENSR Station ID: **MEDEP-Ken_K8**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	26	42	35	6	1997	1998	30	1	F/Sp/Su/W
CHLA	ug/L	1.49	7.19	3.43	8	1997	1998	3	11	Su

KENNEBEC RIVER, ME	LPH	AUGUSTA	5518	Impacted

Agency Station ID: **KE1**
ENSR Station ID: **MEDEP-Ken_KE1**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	39	50	43	7	1997	1998	30	1	F/Sp/Su/W
CHLA	ug/L	3.29	9.72	5.85	7	1997	1998	3	11	Su

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
KENNEBEC RIVER, ME	LPH		5534	Impacted

Agency Station ID: **KE3**
ENSR Station ID: **MEDEP-Ken_KE3**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	40	56	46	7	1997	1998	30	1	F/Sp/Su/W
CHLA	ug/L	4.58	10.83	6.59	7	1997	1998	3	11	Su

KENNEBEC RIVER, ME	LPH		5820	Impacted

Agency Station ID: **KE5**
ENSR Station ID: **MEDEP-Ken_KE5**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	41	60	49	6	1997	1998	30	1	F/Sp/Su/W
CHLA	ug/L	5.53	10.76	8.12	6	1997	1998	3	11	Su

KENNEBEC RIVER, ME	LPH	NORTH SIDNEY	5404	Impacted

Agency Station ID: **01049265**
ENSR Station ID: **ST-01049265**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	185	720	399	14	1990	1992	370	1	F/Sp/Su/W
TP	ug/L	5	90	30	25	1990	1995	30	1	F/Sp/Su/W
CHLA	ug/L									

LITTLE ANDROSCOGGIN RIVER, ME	LPH		312	Impacted

Agency Station ID: **HackM**
ENSR Station ID: **MEDEP-LIT_HackM**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	37	69	51	6	1989	1989	46	1	F/Su
CHLA	ug/L	3.33	5.70	4.85	3	1989	1989	4	1	F/Su

LITTLE ANDROSCOGGIN RIVER, ME	NEH		152	Impacted

Agency Station ID: **LA1**
ENSR Station ID: **MEDEP-LIT_LA1**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	50	63	55	5	1989	1989	86	7	F/Su
CHLA	ug/L	2.34	4.58	3.46	2	1989	1989	3	7	F/Su

LITTLE ANDROSCOGGIN RIVER, ME	NEH		201	Impacted

Agency Station ID: **LA2**
ENSR Station ID: **MEDEP-LIT_LA2**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	110	210	152	6	1989	1989	86	7	F/Su
CHLA	ug/L	1.87	1.97	1.92	2	1989	1989	3	7	F/Su

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
LITTLE ANDROSCOGGIN RIVER, ME	NEH		201	Impacted

Agency Station ID: **LA3**
ENSR Station ID: **MEDEP-LIT_LA3**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	100	170	127	6	1989	1989	86	7	F/Su
CHLA	ug/L	2.45	2.90	2.67	2	1989	1989	3	7	F/Su

LITTLE ANDROSCOGGIN RIVER, ME	NEH		216	Impacted

Agency Station ID: **LA4**
ENSR Station ID: **MEDEP-LIT_LA4**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	63	160	104	6	1989	1989	86	7	F/Su
CHLA	ug/L	2.31	3.05	2.68	2	1989	1989	3	7	F/Su

LITTLE ANDROSCOGGIN RIVER, ME	NEH		217	Impacted

Agency Station ID: **LA5**
ENSR Station ID: **MEDEP-LIT_LA5**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	79	120	101	5	1989	1989	86	7	F/Su
CHLA	ug/L	2.51	5.28	3.98	3	1989	1989	3	7	F/Su

LITTLE ANDROSCOGGIN RIVER, ME	NEH		253	Impacted

Agency Station ID: **MecF**
ENSR Station ID: **MEDEP-LIT_MecF**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	30	80	51	6	1989	1989	86	7	F/Su
CHLA	ug/L	2.49	3.48	3.04	3	1989	1989	3	7	F/Su

LITTLE ANDROSCOGGIN RIVER, ME	NEH		230	Impacted

Agency Station ID: **Saw**
ENSR Station ID: **MEDEP-LIT_Saw**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	51	95	72	6	1989	1989	86	7	F/Su
CHLA	ug/L	1.44	2.50	1.97	2	1989	1989	3	7	F/Su

MATTAWAMKEAG RIVER, ME	LPH		1508	Test

Agency Station ID: **MaR**
ENSR Station ID: **MEDEP-PEN-MaR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	8	11	10	3	1998	1998	10	1	Su
CHLA	ug/L	0.60	0.70	0.63	3	1998	1998	1	1	Su

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MEDUXNEKEAG RIVER, ME	LPH		86	Impacted

Agency Station ID: **MDX1**
ENSR Station ID: **MEDEP-MED_MDX1**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	15	13	4	1997	1997	18	8	Su
CHLA	ug/L									

MEDUXNEKEAG RIVER, ME	LPH		229	Impacted

Agency Station ID: **MDX11**
ENSR Station ID: **MEDEP-MED_MDX11**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	12	18	15	4	1997	1997	18	8	Su
CHLA	ug/L									

MEDUXNEKEAG RIVER, ME	LPH		104	Impacted

Agency Station ID: **XSEC4**
ENSR Station ID: **MEDEP-MED_XSEC4**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	18	18	18	1	1990	1990	18	8	Su
CHLA	ug/L	1.29	1.29	1.29	1	1990	1990	1	3	Su

MEDUXNEKEAG RIVER, ME	LPH		173	Impacted

Agency Station ID: **XSEC9**
ENSR Station ID: **MEDEP-MED_XSEC9**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	11	25	18	2	1993	1995	18	8	Su
CHLA	ug/L	0.96	1.86	1.41	2	1993	1995	1	3	Su

MESSALONSKEE STREAM, ME	LPH		208	Impacted

Agency Station ID: **ME**
ENSR Station ID: **MEDEP-Ken_ME**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	17	23	20	6	1997	1998	20	1	Su
CHLA	ug/L	3.10	3.96	3.57	6	1997	1998	4	1	Su

MILLINOCKET STREAM, ME	LPH		149	Test

Agency Station ID: **MiS**
ENSR Station ID: **MEDEP-PEN-MiS**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	7	8	8	3	1998	1998	8	1	Su
CHLA	ug/L	0.90	1.90	1.53	3	1998	1998	2	1	Su

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
NORTH WINDHAM OUTLET BROOK, ME	NEH		1	Test

Agency Station ID: **43504107**
ENSR Station ID: **ST-435041070272101**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	40	40	40	1	1996	1996	40	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
PASSADUMKEAG RIVER, ME	LPH		399	Test

Agency Station ID: **PaR**
ENSR Station ID: **MEDEP-PEN-PaR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L									
CHLA	ug/L	1.40	1.40	1.40	1	1998	1998	1	1	Su

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
PENOBSCOT RIVER, ME	LPH		3356	Test

Agency Station ID: **Pn1**
ENSR Station ID: **MEDEP-PEN-Pn1**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	27	30	28	3	1998	1998	20	1	F/Sp/Su/W
CHLA	ug/L	7.80	10.50	8.80	3	1998	1998	2	10	Su

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
PENOBSCOT RIVER, ME	LPH		7766	Test

Agency Station ID: **Pn12**
ENSR Station ID: **MEDEP-PEN-Pn12**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	14	17	16	3	1998	1998	20	1	F/Sp/Su/W
CHLA	ug/L	2.20	2.60	2.33	3	1998	1998	2	10	Su

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
PENOBSCOT RIVER, ME	LPH		7798	Test

Agency Station ID: **Pn13**
ENSR Station ID: **MEDEP-PEN-Pn13**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	14	18	15	3	1998	1998	20	1	F/Sp/Su/W
CHLA	ug/L	2.30	3.70	2.83	3	1998	1998	2	10	Su

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
PENOBSCOT RIVER, ME	LPH		4958	Test

Agency Station ID: **Pn3**
ENSR Station ID: **MEDEP-PEN-Pn3**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	22	21	3	1998	1998	20	1	F/Sp/Su/W
CHLA	ug/L	1.70	1.70	1.70	3	1998	1998	2	10	Su

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
PENOBSCOT RIVER, ME	LPH		5097	Test

Agency Station ID: **Pn4**
ENSR Station ID: **MEDEP-PEN-Pn4**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	18	23	20	3	1998	1998	20	1	F/Sp/Su/W
CHLA	ug/L	1.80	2.10	1.97	3	1998	1998	2	10	Su

PENOBSCOT RIVER, ME	LPH	5215	Test

Agency Station ID: **Pn5**
ENSR Station ID: **MEDEP-PEN-Pn5**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	22	23	22	3	1998	1998	20	1	F/Sp/Su/W
CHLA	ug/L	1.90	2.00	1.97	3	1998	1998	2	10	Su

PENOBSCOT RIVER, ME	LPH	7335	Test

Agency Station ID: **Pn9**
ENSR Station ID: **MEDEP-PEN-Pn9**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	12	13	12	3	1998	1998	20	1	F/Sp/Su/W
CHLA	ug/L	2.00	2.40	2.13	3	1998	1998	2	10	Su

PENOBSCOT RIVER, ME	LPH	20	Test

Agency Station ID: **Pne2**
ENSR Station ID: **MEDEP-PEN-Pne2**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	16	18	17	3	1998	1998	20	1	F/Sp/Su/W
CHLA	ug/L	2.50	3.10	2.80	3	1998	1998	2	10	Su

PENOBSCOT RIVER, ME	LPH	8219	Test

Agency Station ID: **Pne5**
ENSR Station ID: **MEDEP-PEN-Pne5**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	26	29	28	3	1998	1998	20	1	F/Sp/Su/W
CHLA	ug/L	4.60	5.10	4.90	3	1998	1998	2	10	Su

PENOBSCOT RIVER, ME	LPH	8219	Test

Agency Station ID: **Pne7**
ENSR Station ID: **MEDEP-PEN-Pne7**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	30	34	32	3	1998	1998	20	1	F/Sp/Su/W
CHLA	ug/L	4.30	5.60	5.03	3	1998	1998	2	10	Su

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
PENOBSCOT RIVER, ME	LPH	EDDINGTON	7766	Test

Agency Station ID: **01036390**
ENSR Station ID: **ST-01036390**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	195	450	327	9	1990	1992	325	1	F/Sp/Su/W
TP	ug/L	5	110	27	19	1990	1994	20	1	F/Sp/Su/W
CHLA	ug/L									

PISCATAQUA RIVER, ME	NECZ	8	Test

Agency Station ID: **P2**
ENSR Station ID: **MEDEP-SAL_P2**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	58	86	65	9	1991	1992	56	2	Su
CHLA	ug/L	3.90	8.60	6.19	9	1991	1992	5	2	Su

PISCATAQUA RIVER, ME	NECZ	527	Test

Agency Station ID: **P3**
ENSR Station ID: **MEDEP-SAL_P3**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	41	61	54	6	1992	1992	56	2	Su
CHLA	ug/L	4.00	5.90	4.88	6	1992	1992	5	2	Su

PISCATAQUIS RIVER, ME	LPH	1459	Test

Agency Station ID: **PiS**
ENSR Station ID: **MEDEP-PEN-PiS**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	9	15	11	3	1998	1998	16	14	Su
CHLA	ug/L	2.80	3.10	2.97	3	1998	1998	3	14	Su

PISCATAQUIS RIVER, ME	LPH	267	Test

Agency Station ID: **PR1**
ENSR Station ID: **MEDEP-PISC_PR1**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	7	7	7	3	1997	1997	16	14	Su
CHLA	ug/L	1.27	1.42	1.34	4	1997	1997	3	14	Su

PISCATAQUIS RIVER, ME	LPH	381	Test

Agency Station ID: **PR11**
ENSR Station ID: **MEDEP-PISC_PR11**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	13	14	14	3	1997	1997	16	14	Su
CHLA	ug/L	2.22	3.38	2.67	4	1997	1997	3	14	Su

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
PISCATAQUIS RIVER, ME	LPH		400	Test

Agency Station ID: **PR12**
ENSR Station ID: **MEDEP-PISC_PR12**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	14	17	16	2	1997	1997	16	14	Su
CHLA	ug/L	3.40	3.78	3.64	3	1997	1997	3	14	Su

PISCATAQUIS RIVER, ME	LPH		299	Test

Agency Station ID: **PR3**
ENSR Station ID: **MEDEP-PISC_PR3**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	28	36	33	4	1997	1997	16	14	Su
CHLA	ug/L	3.18	4.26	3.62	4	1997	1997	3	14	Su

PISCATAQUIS RIVER, ME	LPH		344	Test

Agency Station ID: **PR5**
ENSR Station ID: **MEDEP-PISC_PR5**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	16	17	16	3	1997	1997	16	14	Su
CHLA	ug/L	3.98	4.62	4.20	3	1997	1997	3	14	Su

PISCATAQUIS RIVER, ME	LPH		358	Test

Agency Station ID: **PR6**
ENSR Station ID: **MEDEP-PISC_PR6**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	16	17	16	3	1997	1997	16	14	Su
CHLA	ug/L	2.46	3.91	3.35	3	1997	1997	3	14	Su

PISCATAQUIS RIVER, ME	LPH		358	Test

Agency Station ID: **PR7**
ENSR Station ID: **MEDEP-PISC_PR7**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	12	13	13	2	1997	1997	16	14	Su
CHLA	ug/L	2.13	2.54	2.33	4	1997	1997	3	14	Su

PISCATAQUIS RIVER, ME	LPH		359	Test

Agency Station ID: **PR8**
ENSR Station ID: **MEDEP-PISC_PR8**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	21	21	2	1997	1997	16	14	Su
CHLA	ug/L	3.33	3.82	3.51	3	1997	1997	3	14	Su

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
PISCATAQUIS RIVER, ME	LPH		363	Test

Agency Station ID: **PR9**
ENSR Station ID: **MEDEP-PISC_PR9**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	18	19	19	2	1997	1997	16	14	Su
CHLA	ug/L	2.33	2.98	2.66	3	1997	1997	3	14	Su

PRESUMPSCOT RIVER, ME	NECZ	WEST FALMOUTH	599	Impacted

Agency Station ID: **01064140**
ENSR Station ID: **ST-01064140**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	180	930	461	14	1990	1992	420	1	F/Sp/Su/W
TP	ug/L	5	90	39	31	1990	1995	32	1	F/Sp/Su/W
CHLA	ug/L									

PUSHAW STREAM, ME	LPH		232	Test

Agency Station ID: **PuS**
ENSR Station ID: **MEDEP-PEN-PuS**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	24	24	24	1	1998	1998	24	1	Su
CHLA	ug/L	3.60	3.60	3.60	1	1998	1998	4	1	Su

SACO RIVER, ME	NEH	CORNISH	1297	Test

Agency Station ID: **01066000**
ENSR Station ID: **ST-01066000**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	150	510	301	14	1990	1992	264	1	F/Sp/Su/W
TP	ug/L	5	50	13	31	1990	1995	10	1	F/Sp/Su/W
CHLA	ug/L									

SALMON FALLS RIVER, ME	NECZ		327	Impacted

Agency Station ID: **SF1**
ENSR Station ID: **MEDEP-SAL_SF1**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	72	190	108	9	1991	1992	86	7	Su
CHLA	ug/L	8.90	61.00	21.49	9	1991	1992	15	7	Su

SALMON FALLS RIVER, ME	NECZ		236	Impacted

Agency Station ID: **SF10**
ENSR Station ID: **MEDEP-SAL_SF10**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	45	160	110	8	1991	1992	86	7	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SALMON FALLS RIVER, ME	NECZ		232	Impacted

Agency Station ID: **SF11**
ENSR Station ID: **MEDEP-SAL_SF11**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L									
CHLA	ug/L	4.40	77.30	23.08	9	1991	1992	15	7	Su

SALMON FALLS RIVER, ME	NECZ		223	Impacted

Agency Station ID: **SF15**
ENSR Station ID: **MEDEP-SAL_SF15**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	23	92	58	8	1991	1992	86	7	Su
CHLA	ug/L									

SALMON FALLS RIVER, ME	NECZ		223	Impacted

Agency Station ID: **SF16**
ENSR Station ID: **MEDEP-SAL_SF16**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L									
CHLA	ug/L	3.30	8.70	4.51	8	1991	1992	15	7	Su

SALMON FALLS RIVER, ME	NECZ		221	Impacted

Agency Station ID: **SF19**
ENSR Station ID: **MEDEP-SAL_SF19**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	15	28	21	7	1991	1992	86	7	Su
CHLA	ug/L	3.60	9.20	5.40	8	1991	1992	15	7	Su

SALMON FALLS RIVER, ME	NECZ		327	Impacted

Agency Station ID: **SF3**
ENSR Station ID: **MEDEP-SAL_SF3**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	63	330	137	9	1991	1992	86	7	Su
CHLA	ug/L	18.80	174.00	69.87	9	1991	1992	15	7	Su

SALMON FALLS RIVER, ME	NECZ		327	Impacted

Agency Station ID: **SF5**
ENSR Station ID: **MEDEP-SAL_SF5**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	56	150	81	9	1991	1992	86	7	Su
CHLA	ug/L	14.00	107.10	35.48	9	1991	1992	15	7	Su

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SALMON FALLS RIVER, ME	NECZ		236	Impacted

Agency Station ID: **SF7**
ENSR Station ID: **MEDEP-SAL_SF7**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	60	120	86	8	1991	1992	86	7	Su
CHLA	ug/L	18.50	61.20	32.28	9	1991	1992	15	7	Su

SANDY RIVER, ME	LPH		577	Test

Agency Station ID: **SY**
ENSR Station ID: **MEDEP-Ken_SY**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	12	14	12	7	1997	1998	12	1	Su
CHLA	ug/L	1.30	1.87	1.59	7	1997	1998	2	1	Su

SOUADABSCOOK STR, ME	LPH		194	Test

Agency Station ID: **SoS**
ENSR Station ID: **MEDEP-PEN-SoS**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	22	22	22	1	1998	1998	22	1	Su
CHLA	ug/L	1.40	1.40	1.40	1	1998	1998	1	1	Su

STILLWATER RIVER, ME	LPH		7640	Test

Agency Station ID: **StR**
ENSR Station ID: **MEDEP-PEN-StR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	13	14	13	3	1998	1998	13	1	Su
CHLA	ug/L	2.20	2.70	2.40	3	1998	1998	2	1	Su

STONY BROOK, ME	NEH	EAST SEBAGO	2	Test

Agency Station ID: **01063310**
ENSR Station ID: **ST-01063310**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	10	10	1	1996	1996	10	1	Sp
CHLA	ug/L									

THOMPSON LAKE OUTLET, ME	NEH		47	Test

Agency Station ID: **AbRobMan**
ENSR Station ID: **MEDEP-LIT_AbRobMan**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	8	9	8	6	1989	1989	8	1	F/Su
CHLA	ug/L	1.30	2.12	1.71	2	1989	1989	2	1	F/Su

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
WESSERRUNSETT STREAM, ME	LPH		147	Test

Agency Station ID: **WT**
ENSR Station ID: **MEDEP-Ken_WT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	9	220	66	7	1997	1998	20	1	Su
CHLA	ug/L	0.99	4.48	2.27	7	1997	1998	2	1	Su

WEST BRANCH PENOBSCOT RIVER, ME	LPH		1895	Test

Agency Station ID: **WBP1**
ENSR Station ID: **MEDEP-PEN-WBP1**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	7	13	9	3	1998	1998	13	4	Su
CHLA	ug/L	1.70	1.80	1.73	3	1998	1998	3	4	Su

WEST BRANCH PENOBSCOT RIVER, ME	LPH		2113	Test

Agency Station ID: **WBP2**
ENSR Station ID: **MEDEP-PEN-WBP2**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	12	12	12	3	1998	1998	13	4	Su
CHLA	ug/L	1.70	1.80	1.77	3	1998	1998	3	4	Su

WEST BRANCH PENOBSCOT RIVER, ME	LPH		2120	Test

Agency Station ID: **WBP3**
ENSR Station ID: **MEDEP-PEN-WBP3**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	13	15	14	3	1998	1998	13	4	Su
CHLA	ug/L	5.50	6.30	5.87	3	1998	1998	3	4	Su

WEST BRANCH PENOBSCOT RIVER, ME	LPH		2120	Test

Agency Station ID: **WBP5**
ENSR Station ID: **MEDEP-PEN-WBP5**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	44	51	48	3	1998	1998	13	4	Su
CHLA	ug/L	3.20	3.60	3.40	3	1998	1998	3	4	Su

WILD RIVER, ME	NEH	GILEAD	70	Test

Agency Station ID: **01054200**
ENSR Station ID: **ST-01054200**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	95	620	171	9	1990	1992	118	1	F/Sp/Su/W
TP	ug/L	5	100	13	25	1990	1996	5	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
AMEY BROOK, NH	NEH	HENNIKER	12	Test

Agency Station ID: **03-AMY**
ENSR Station ID: **NHDES-03-AMY**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	380	1900	910	3	1999	1999	450	1	Su
TP	ug/L	6	20	13	3	1999	1999	12	1	Su
CHLA	ug/L									

AMMONOOSUC RIVER, NH	NEH	BATH	402	Test

Agency Station ID: **01-AMM**
ENSR Station ID: **NHDES-01-AMM**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	220	460	340	2	2000	2000	380	8	Su
TP	ug/L	8	12	10	2	2000	2000	13	10	Su
CHLA	ug/L									

AMMONOOSUC RIVER, NH	NEH	BATH	397	Test

Agency Station ID: **03-AMM**
ENSR Station ID: **NHDES-03-AMM**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	380	380	380	1	1997	1997	380	8	Su
TP	ug/L	8	18	13	2	1997	1997	13	10	Su
CHLA	ug/L									

AMMONOOSUC RIVER, NH	NEH	BATH	324	Test

Agency Station ID: **07-AMM**
ENSR Station ID: **NHDES-07-AMM**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	520	520	520	1	2000	2000	380	8	Su
TP	ug/L	6	20	12	5	1997	2000	13	10	Su
CHLA	ug/L									

AMMONOOSUC RIVER, NH	NEH	LISBON	290	Test

Agency Station ID: **10-AMM**
ENSR Station ID: **NHDES-10-AMM**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	19	19	19	1	1997	1997	13	10	Su
CHLA	ug/L									

AMMONOOSUC RIVER, NH	NEH	LISBON	256	Test

Agency Station ID: **11-AMM**
ENSR Station ID: **NHDES-11-AMM**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	13	13	13	1	1997	1997	13	10	Su
CHLA	ug/L									

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
AMMONOOSUC RIVER, NH	NEH	LISBON	143	Test

Agency Station ID: **13-AMM**
ENSR Station ID: **NHDES-13-AMM**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	220	470	333	3	2000	2000	380	8	Su
TP	ug/L	10	45	23	5	1997	2000	13	10	Su
CHLA	ug/L									

AMMONOOSUC RIVER, NH	NEH	LITTLETON	131	Test

Agency Station ID: **15-AMM**
ENSR Station ID: **NHDES-15-AMM**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	190	750	440	3	1997	2000	380	8	Su
TP	ug/L	6	17	11	5	1997	2000	13	10	Su
CHLA	ug/L									

AMMONOOSUC RIVER, NH	NEH	BETHLEHEM	105	Test

Agency Station ID: **20-AMM**
ENSR Station ID: **NHDES-20-AMM**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	760	760	760	1	1997	1997	380	8	Su
TP	ug/L	15	52	34	2	1997	1997	13	10	Su
CHLA	ug/L									

AMMONOOSUC RIVER, NH	NEH	BETHLEHEM	105	Test

Agency Station ID: **21-AMM**
ENSR Station ID: **NHDES-21-AMM**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	380	420	400	2	2000	2000	380	8	Su
TP	ug/L	15	15	15	1	2000	2000	13	10	Su
CHLA	ug/L									

AMMONOOSUC RIVER, NH	NEH	BETHLEHEM	92	Test

Agency Station ID: **22-AMM**
ENSR Station ID: **NHDES-22-AMM**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	320	320	320	1	1997	1997	380	8	Su
TP	ug/L	6	13	10	2	1997	1997	13	10	Su
CHLA	ug/L									

ANDROSCOGGIN RIVER, NH	NEH	GILEAD	1524	Test

Agency Station ID: **01-AND**
ENSR Station ID: **NHDES-01-AND**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	160	3390	561	20	1990	2000	439	4	Sp/Su
TP	ug/L	3	83	34	30	1990	2000	15	4	Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
ANDROSCOGGIN RIVER, NH	NEH	SHELBURNE	1471	Test

Agency Station ID: **03-AND**
ENSR Station ID: **NHDES-03-AND**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	380	710	565	4	1990	1998	439	4	Sp/Su
TP	ug/L	28	56	48	4	1990	1998	15	4	Sp/Su
CHLA	ug/L									

ANDROSCOGGIN RIVER, NH	NEH	GORHAM	1370	Test

Agency Station ID: **05-AND**
ENSR Station ID: **NHDES-05-AND**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	570	920	690	3	1990	1990	439	4	Sp/Su
TP	ug/L	51	64	56	3	1990	1990	15	4	Sp/Su
CHLA	ug/L									

ANDROSCOGGIN RIVER, NH	NEH	BERLIN	1338	Test

Agency Station ID: **08-AND**
ENSR Station ID: **NHDES-08-AND**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	250	710	480	5	1990	1998	439	4	Sp/Su
TP	ug/L	15	22	17	5	1990	1998	15	4	Sp/Su
CHLA	ug/L									

ANDROSCOGGIN RIVER, NH	NEH	BERLIN	1337	Test

Agency Station ID: **09A-AND**
ENSR Station ID: **NHDES-09A-AND**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	250	1990	662	6	1990	1998	439	4	Sp/Su
TP	ug/L	8	20	13	6	1990	1998	15	4	Sp/Su
CHLA	ug/L									

ANDROSCOGGIN RIVER, NH	NEH	MILAN	1272	Test

Agency Station ID: **10-AND**
ENSR Station ID: **NHDES-10-AND**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	420	460	440	2	1990	1990	439	4	Sp/Su
TP	ug/L	14	17	16	2	1990	1990	15	4	Sp/Su
CHLA	ug/L									

ANDROSCOGGIN RIVER, NH	NEH	DUMMER	1222	Test

Agency Station ID: **11-AND**
ENSR Station ID: **NHDES-11-AND**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	340	450	395	2	1990	1990	439	4	Sp/Su
TP	ug/L	13	14	14	2	1990	1990	15	4	Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
ANDROSCOGGIN RIVER, NH	NEH	ERROL	1044	Test

Agency Station ID: **12-AND**
ENSR Station ID: **NHDES-12-AND**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	200	470	357	6	1990	1998	439	4	Sp/Su
TP	ug/L	9	15	11	6	1990	1998	15	4	Sp/Su
CHLA	ug/L									

ARTIST BROOK, NH	NEH	CONWAY	2	Test

Agency Station ID: **01-ART**
ENSR Station ID: **NHDES-01-ART**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	430	430	430	1	2000	2000	430	1	Su
TP	ug/L	8	8	8	1	2000	2000	8	1	Su
CHLA	ug/L									

ASHUELOT RIVER, NH	NECZ	HINSDALE	421	Impacted

Agency Station ID: **02-ASH**
ENSR Station ID: **NHDES-02-ASH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	310	1580	655	20	1990	2000	525	3	Su
TP	ug/L	27	97	48	29	1990	2000	41	3	Su
CHLA	ug/L									

ASHUELOT RIVER, NH	NECZ	WINCHESTER	408	Impacted

Agency Station ID: **04-ASH**
ENSR Station ID: **NHDES-04-ASH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	720	970	845	2	1993	1997	525	3	Su
TP	ug/L	39	87	64	3	1993	1997	41	3	Su
CHLA	ug/L									

ASHUELOT RIVER, NH	NECZ	WINCHESTER	392	Impacted

Agency Station ID: **05-ASH**
ENSR Station ID: **NHDES-05-ASH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	720	830	775	2	1993	1997	525	3	Su
TP	ug/L	37	113	66	3	1993	1997	41	3	Su
CHLA	ug/L									

ASHUELOT RIVER, NH	NEH	WINCHESTER	390	Impacted

Agency Station ID: **06-ASH**
ENSR Station ID: **NHDES-06-ASH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	860	860	860	1	1997	1997	810	9	Su
TP	ug/L	42	51	47	2	1997	1997	51	9	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
ASHUELOT RIVER, NH	NEH	WINCHESTER	385	Impacted

Agency Station ID: **07-ASH**
ENSR Station ID: **NHDES-07-ASH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	920	920	920	2	1993	1997	810	9	Su
TP	ug/L	38	123	75	3	1993	1997	51	9	Su
CHLA	ug/L									

ASHUELOT RIVER, NH	NEH	WINCHESTER	385	Impacted

Agency Station ID: **07A-ASH**
ENSR Station ID: **NHDES-07A-ASH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	970	970	970	1	1993	1993	810	9	Su
TP	ug/L	51	51	51	1	1993	1993	51	9	Su
CHLA	ug/L									

ASHUELOT RIVER, NH	NEH	WINCHESTER	385	Impacted

Agency Station ID: **08-ASH**
ENSR Station ID: **NHDES-08-ASH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	780	780	780	1	1997	1997	810	9	Su
TP	ug/L	42	89	66	2	1997	1997	51	9	Su
CHLA	ug/L									

ASHUELOT RIVER, NH	NEH	WINCHESTER	343	Impacted

Agency Station ID: **11-ASH**
ENSR Station ID: **NHDES-11-ASH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	340	780	535	4	1997	2000	810	9	Su
TP	ug/L	30	52	44	4	1997	2000	51	9	Su
CHLA	ug/L									

ASHUELOT RIVER, NH	NEH	WINCHESTER	333	Impacted

Agency Station ID: **12-ASH**
ENSR Station ID: **NHDES-12-ASH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	810	810	810	1	1997	1997	810	9	Su
TP	ug/L	108	108	108	1	1997	1997	51	9	Su
CHLA	ug/L									

ASHUELOT RIVER, NH	NEH	SWANZEY	312	Impacted

Agency Station ID: **16-ASH**
ENSR Station ID: **NHDES-16-ASH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	290	1510	871	16	1990	1999	810	9	Su
TP	ug/L	18	263	109	22	1990	1999	51	9	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
ASHUELOT RIVER, NH	NEH	KEENE	116	Impacted

Agency Station ID: **20-ASH**
ENSR Station ID: **NHDES-20-ASH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	260	580	420	2	1997	2000	810	9	Su
TP	ug/L	7	22	13	5	1997	2000	51	9	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
ASHUELOT RIVER, NH	NEH	GILSUM	66	Impacted

Agency Station ID: **23A-ASH**
ENSR Station ID: **NHDES-23A-ASH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	180	640	410	2	1999	1999	810	9	Su
TP	ug/L	6	7	7	3	1999	1999	51	9	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
AXE HANDLE BROOK, NH	NEH	NEWBURY	19	Test

Agency Station ID: **01-AXE**
ENSR Station ID: **NHDES-01-AXE**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	620	620	620	1	2000	2000	620	1	Su
TP	ug/L	52	52	52	1	2000	2000	52	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
BAILEY BROOK, NH	NEH	STODDARD	3	Test

Agency Station ID: **01-BAI**
ENSR Station ID: **NHDES-01-BAI**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	18	21	19	3	1999	1999	19	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
BAKER RIVER, NH	NEH	PLYMOUTH	213	Test

Agency Station ID: **01-BKR**
ENSR Station ID: **NHDES-01-BKR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	4	11	7	4	1991	1999	6	8	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
BAKER RIVER, NH	NEH	PLYMOUTH	198	Test

Agency Station ID: **02-BKR**
ENSR Station ID: **NHDES-02-BKR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	4	4	4	1	1999	1999	6	8	Su
CHLA	ug/L									

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
BAKER RIVER, NH	NEH	RUMNEY	135	Test

Agency Station ID: **05-BKR**
ENSR Station ID: **NHDES-05-BKR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	210	210	210	1	1999	1999	210	1	Su
TP	ug/L	6	6	6	1	1999	1999	6	8	Su
CHLA	ug/L									

BAKER RIVER, NH	NEH	WENTWORTH	80	Test

Agency Station ID: **06A-BKR**
ENSR Station ID: **NHDES-06A-BKR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	1	1	1	1	1999	1999	6	8	Su
CHLA	ug/L									

BAKER RIVER, NH	NEH	WENTWORTH	58	Test

Agency Station ID: **07-BKR**
ENSR Station ID: **NHDES-07-BKR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	2	14	6	3	1991	1991	6	8	Su
CHLA	ug/L									

BAKER RIVER, NH	NEH	WENTWORTH	58	Test

Agency Station ID: **07A-BKR**
ENSR Station ID: **NHDES-07A-BKR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	5	5	5	1	1999	1999	6	8	Su
CHLA	ug/L									

BAKER RIVER, NH	NEH	WARREN	48	Test

Agency Station ID: **08-BKR**
ENSR Station ID: **NHDES-08-BKR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	7	7	7	1	1999	1999	6	8	Su
CHLA	ug/L									

BAKER RIVER, NH	NEH	WARREN	20	Test

Agency Station ID: **10-BKR**
ENSR Station ID: **NHDES-10-BKR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	1	19	8	4	1991	1999	6	8	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
BEAN RIVER, NH	NECZ	NOTTINGHAM	6	Test

Agency Station ID: **01-BEN**
ENSR Station ID: **NHDES-01-BEN**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	15	58	36	7	1993	1993	36	1	Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
BEAR BROOK, NH	NECZ	ALLENSTOWN	11	Test

Agency Station ID: **02-BBO**
ENSR Station ID: **NHDES-02-BBO**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	160	500	307	3	1999	1999	260	1	Su
TP	ug/L	12	27	18	3	1999	1999	15	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
BEARCAMP RIVER, NH	NEH	OSSIPEE	153	Test

Agency Station ID: **02-BCP**
ENSR Station ID: **NHDES-02-BCP**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	270	270	270	1	1998	1998	235	3	Su
TP	ug/L	7	10	9	2	1998	1998	9	3	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
BEARCAMP RIVER, NH	NEH	OSSIPEE	127	Test

Agency Station ID: **03'-BCP**
ENSR Station ID: **NHDES-03'-BCP**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	190	280	235	2	1990	1998	235	3	Su
TP	ug/L	7	13	11	3	1990	1998	9	3	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
BEARCAMP RIVER, NH	NEH	TAMWORTH	70	Test

Agency Station ID: **06-BCP**
ENSR Station ID: **NHDES-06-BCP**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	260	260	260	1	1990	1990	235	3	Su
TP	ug/L	7	17	11	4	1990	1998	9	3	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
BEAVER BROOK, NH	NECZ	AMHERST	13	Test

Agency Station ID: **01-BEA**
ENSR Station ID: **NHDES-01-BEA**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	500	560	520	3	1990	1990	585	1	F/Su
TP	ug/L	18	52	32	11	1990	1990	26	1	F/Su
CHLA	ug/L									

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
BEAVER BROOK, NH	NEH	ALTON	8	Test

Agency Station ID: **02-BAV**
ENSR Station ID: **NHDES-02-BAV**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	450	600	513	3	1999	1999	490	1	Su
TP	ug/L	18	25	22	3	1999	1999	23	1	Su
CHLA	ug/L									

BEAVER BROOK, NH	NECZ	PELHAM	74	Test

Agency Station ID: **03-BVR**
ENSR Station ID: **NHDES-03-BVR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	520	800	657	3	1999	1999	585	1	F/Su
TP	ug/L	18	20	19	3	1999	1999	26	1	F/Su
CHLA	ug/L									

BEAVER BROOK, NH	NECZ	PELHAM	55	Test

Agency Station ID: **04-BVR**
ENSR Station ID: **NHDES-04-BVR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	16	40	27	3	1991	1991	26	1	F/Su
CHLA	ug/L									

BEAVER BROOK, NH	NECZ	WINDHAM	44	Test

Agency Station ID: **07-BVR**
ENSR Station ID: **NHDES-07-BVR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	25	53	35	3	1991	1991	26	1	F/Su
CHLA	ug/L									

BEAVER BROOK, NH	NECZ	HUDSON	44	Test

Agency Station ID: **07A-BVR**
ENSR Station ID: **NHDES-07A-BVR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	600	920	726	3	1999	1999	585	1	F/Su
TP	ug/L	14	18	16	3	1999	1999	26	1	F/Su
CHLA	ug/L									

BEAVER BROOK, NH	NECZ	DERRY	27	Test

Agency Station ID: **10"-BVR**
ENSR Station ID: **NHDES-10"-BVR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	680	1000	827	3	2000	2000	585	1	F/Su
TP	ug/L	26	33	30	3	2000	2000	26	1	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
BEAVER BROOK, NH	NECZ	DERRY	27	Test

Agency Station ID: **10'-BVR**
ENSR Station ID: **NHDES-10'-BVR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	640	910	743	3	2000	2000	585	1	F/Su
TP	ug/L	17	31	25	3	2000	2000	26	1	F/Su
CHLA	ug/L									

BEAVER BROOK, NH	NECZ	LONDONDERRY	27	Test

Agency Station ID: **10-BVR**
ENSR Station ID: **NHDES-10-BVR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	590	970	753	3	2000	2000	585	1	F/Su
TP	ug/L	20	29	26	3	2000	2000	26	1	F/Su
CHLA	ug/L									

BEEBE RIVER, NH	NEH	CAMPTON	30	Test

Agency Station ID: **02-BBR**
ENSR Station ID: **NHDES-02-BBR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	6	12	8	3	1991	1991	7	1	Su
CHLA	ug/L									

BEECH RIVER, NH	NEH	OSSIPEE	34	Test

Agency Station ID: **01-BEE**
ENSR Station ID: **NHDES-01-BEE**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	29	16	4	1990	1998	12	1	Su
CHLA	ug/L									

BELLAMY RIVER, NH	NECZ	DOVER	29	Test

Agency Station ID: **05-BLM**
ENSR Station ID: **NHDES-05-BLM**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	5	5	5	1	1993	1993	28	4	Su
CHLA	ug/L									

BELLAMY RIVER, NH	NECZ	DOVER	28	Test

Agency Station ID: **06-BLM**
ENSR Station ID: **NHDES-06-BLM**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	760	870	830	3	1998	1998	515	3	Su
TP	ug/L	33	45	38	3	1998	1998	28	4	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
BELLAMY RIVER, NH	NECZ	MADBURY	24	Test

Agency Station ID: **07-BLM**
ENSR Station ID: **NHDES-07-BLM**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	470	660	540	4	1990	2000	515	3	Su
TP	ug/L	15	35	23	5	1990	2000	28	4	Su
CHLA	ug/L									

BELLAMY RIVER, NH	NECZ	MADBURY	24	Test

Agency Station ID: **08-BLM**
ENSR Station ID: **NHDES-08-BLM**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	910	910	910	1	1998	1998	515	3	Su
TP	ug/L	25	40	33	4	1990	1998	28	4	Su
CHLA	ug/L									

BERRY POND BROOK, NH	NECZ	PITTSFIELD	2	Test

Agency Station ID: **03-BPB**
ENSR Station ID: **NHDES-03-BPB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	15	25	20	2	1991	1991	20	1	Su
CHLA	ug/L									

BERRYS RIVER, NH	NECZ	STRAFFORD	13	Test

Agency Station ID: **01-BER**
ENSR Station ID: **NHDES-01-BER**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	40	40	40	1	1990	1990	40	1	Su
CHLA	ug/L									

BICKNELL BROOK, NH	NEH	ENFIELD	10	Test

Agency Station ID: **01-BIC**
ENSR Station ID: **NHDES-01-BIC**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	340	480	397	3	1999	1999	370	1	Su
TP	ug/L	7	15	10	3	1999	1999	8	1	Su
CHLA	ug/L									

BISHOP BROOK, NH	NEH	STEWARTSTOWN	22	Test

Agency Station ID: **01-BSH**
ENSR Station ID: **NHDES-01-BSH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	830	830	830	1	1997	1997	830	1	Su
TP	ug/L	22	27	25	2	1997	1997	24	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
BLACK BROOK, NH	NECZ	GOFFSTOWN	22	Test

Agency Station ID: **03-BKB**
ENSR Station ID: **NHDES-03-BKB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	24	31	28	3	1991	1991	11	3	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
BLACK BROOK, NH	NECZ	GOFFSTOWN	20	Test

Agency Station ID: **04-BKB**
ENSR Station ID: **NHDES-04-BKB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	260	440	357	3	1999	1999	370	2	Su
TP	ug/L	5	14	10	3	1999	1999	11	3	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
BLACK BROOK, NH	NECZ	MANCHESTER	22	Test

Agency Station ID: **12-BKB**
ENSR Station ID: **NHDES-12-BKB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	450	500	470	3	2000	2000	370	2	Su
TP	ug/L	15	28	21	3	2000	2000	11	3	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
BLACKWATER RIVER, NH	NEH	HOPKINTON	135	Test

Agency Station ID: **01-BKW**
ENSR Station ID: **NHDES-01-BKW**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	12	11	3	1991	1991	7	3	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
BLACKWATER RIVER, NH	NEH	WEBSTER	130	Test

Agency Station ID: **03-BKW**
ENSR Station ID: **NHDES-03-BKW**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	250	290	270	2	1999	1999	270	1	Su
TP	ug/L	6	8	7	3	1999	1999	7	3	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
BLACKWATER RIVER, NH	NEH	ANDOVER	99	Test

Agency Station ID: **09-BKW**
ENSR Station ID: **NHDES-09-BKW**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	13	17	14	3	1991	1991	7	3	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
BLODGETT BROOK, NH	NEH	LEBANON	2	Test

Agency Station ID: **01-BGT**
ENSR Station ID: **NHDES-01-BGT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	170	260	215	2	2000	2000	160	2	Su
TP	ug/L	6	6	6	1	2000	2000	6	2	Su
CHLA	ug/L									

BLODGETT BROOK, NH	NEH	LEBANON	2	Test

Agency Station ID: **03-BGT**
ENSR Station ID: **NHDES-03-BGT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	160	160	160	1	2000	2000	160	2	Su
TP	ug/L	5	6	6	2	2000	2000	6	2	Su
CHLA	ug/L									

BLOOD BROOK, NH	NEH	GOSHEN	7	Test

Agency Station ID: **02-BLD**
ENSR Station ID: **NHDES-02-BLD**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	250	410	353	3	1999	1999	400	1	Su
TP	ug/L	16	25	19	3	1999	1999	16	1	Su
CHLA	ug/L									

BLOODS BROOK, NH	NEH	PLAINFIELD	17	Test

Agency Station ID: **06-BLD**
ENSR Station ID: **NHDES-06-BLD**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	380	1030	720	4	1997	2000	735	2	Su
TP	ug/L	21	83	56	5	1997	2000	10	2	Su
CHLA	ug/L									

BLOODS BROOK, NH	NEH	PLAINFIELD	17	Test

Agency Station ID: **07-BLD**
ENSR Station ID: **NHDES-07-BLD**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	830	830	830	1	1997	1997	735	2	Su
TP	ug/L	7	12	10	2	1997	1997	10	2	Su
CHLA	ug/L									

BLOW-ME-DOWN BROOK, NH	NEH	CORNISH	28	Test

Agency Station ID: **01-BMD**
ENSR Station ID: **NHDES-01-BMD**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	470	600	530	3	2000	2000	520	1	Su
TP	ug/L	15	24	21	3	2000	2000	24	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
BOG BROOK, NH	NEH	NEW BOSTON	6	Test

Agency Station ID: **05-BOG**
ENSR Station ID: **NHDES-05-BOG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	19	61	45	3	1999	1999	54	1	Su
CHLA	ug/L									

BRADLEY BROOK, NH	NEH	ANDOVER	2	Test

Agency Station ID: **01-BRL**
ENSR Station ID: **NHDES-01-BRL**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	180	180	180	1	1999	1999	180	1	Su
TP	ug/L	2	8	5	3	1999	1999	5	1	Su
CHLA	ug/L									

BRANCH RIVER, NH	NEH	MILTON	55	Test

Agency Station ID: **01-BRA**
ENSR Station ID: **NHDES-01-BRA**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	450	450	450	2	1998	1998	405	3	Su
TP	ug/L	11	18	14	3	1998	1998	13	3	Su
CHLA	ug/L									

BRANCH RIVER, NH	NEH	WAKEFIELD	26	Test

Agency Station ID: **07-BRA**
ENSR Station ID: **NHDES-07-BRA**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	400	680	560	3	1990	1998	405	3	Su
TP	ug/L	12	26	18	5	1990	1998	13	3	Su
CHLA	ug/L									

BRANCH RIVER, NH	NEH	WAKEFIELD	6	Test

Agency Station ID: **08-BRA**
ENSR Station ID: **NHDES-08-BRA**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	310	500	405	2	1990	1990	405	3	Su
TP	ug/L	13	14	14	2	1990	1990	13	3	Su
CHLA	ug/L									

BROAD BROOK, NH	NEH	WINCHESTER	15	Test

Agency Station ID: **01-BRB**
ENSR Station ID: **NHDES-01-BRB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	350	800	593	3	1999	1999	630	1	Su
TP	ug/L	10	15	12	3	1999	1999	12	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
CHASE BROOK, NH	NEH	UNITY	3	Test

Agency Station ID: **03-CHB**
ENSR Station ID: **NHDES-03-CHB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	393	393	393	1	1997	1997	12	2	Su
CHLA	ug/L									

CHASE BROOK, NH	NEH	UNITY	3	Test

Agency Station ID: **04-CHB**
ENSR Station ID: **NHDES-04-CHB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	12	12	12	1	1997	1997	12	2	Su
CHLA	ug/L									

CHOCORUA RIVER, NH	NEH	OSSIPEE	22	Test

Agency Station ID: **01-CHO**
ENSR Station ID: **NHDES-01-CHO**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	220	350	283	3	1990	1998	280	1	Su
TP	ug/L	4	12	8	4	1990	1998	8	1	Su
CHLA	ug/L									

CHURCHILL BROOK, NH	NEH	BROOKFIELD	8	Test

Agency Station ID: **01-CHU**
ENSR Station ID: **NHDES-01-CHU**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	350	350	350	1	1990	1990	350	1	Su
TP	ug/L	9	11	10	2	1990	1990	10	1	Su
CHLA	ug/L									

CLARK BROOK, NH	NEH	HAVERHILL	17	Test

Agency Station ID: **02-CKB**
ENSR Station ID: **NHDES-02-CKB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	570	910	720	3	2000	2000	680	1	Su
TP	ug/L	43	48	46	3	2000	2000	46	1	Su
CHLA	ug/L									

CLEAR STREAM, NH	NEH	ERROL	64	Test

Agency Station ID: **01-CLS**
ENSR Station ID: **NHDES-01-CLS**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	460	510	483	3	1998	1998	340	2	Su
TP	ug/L	9	10	10	3	1998	1998	10	2	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
CLEAR STREAM, NH	NEH	MILLSFIELD	24	Test

Agency Station ID: **04-CLS**
ENSR Station ID: **NHDES-04-CLS**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	330	2040	903	3	1990	1990	340	2	Su
TP	ug/L	9	16	13	3	1990	1990	10	2	Su
CHLA	ug/L									

COCHECO RIVER, NH	NECZ	DOVER	178	Impacted

Agency Station ID: **07-CCH**
ENSR Station ID: **NHDES-07-CCH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	770	1470	1177	6	1998	2000	680	3	F/Su
TP	ug/L	52	145	81	10	1998	2000	42	12	F/Su
CHLA	ug/L									

COCHECO RIVER, NH	NECZ	DOVER	178	Impacted

Agency Station ID: **09-CCH**
ENSR Station ID: **NHDES-09-CCH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	1060	1600	1330	2	1999	1999	680	3	F/Su
TP	ug/L	57	91	74	2	1999	1999	42	12	F/Su
CHLA	ug/L									

COCHECO RIVER, NH	NECZ	DOVER	178	Impacted

Agency Station ID: **10-CCH**
ENSR Station ID: **NHDES-10-CCH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	1270	1610	1440	2	2000	2000	680	3	F/Su
TP	ug/L	60	208	112	6	1999	2000	42	12	F/Su
CHLA	ug/L									

COCHECO RIVER, NH	NECZ	DOVER	178	Impacted

Agency Station ID: **10A-CCH**
ENSR Station ID: **NHDES-10A-CCH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	1350	1570	1460	2	2000	2000	680	3	F/Su
TP	ug/L	107	134	121	2	2000	2000	42	12	F/Su
CHLA	ug/L									

COCHECO RIVER, NH	NECZ	DOVER	168	Impacted

Agency Station ID: **12-CCH**
ENSR Station ID: **NHDES-12-CCH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	730	1690	1260	4	1990	2000	680	3	F/Su
TP	ug/L	52	1810	437	8	1990	2000	42	12	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
COCHECO RIVER, NH	NECZ	ROCHESTER	160	Impacted

Agency Station ID: **13-CCH**
ENSR Station ID: **NHDES-13-CCH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	1830	1830	1830	1	2000	2000	680	3	F/Su
TP	ug/L	163	163	163	1	2000	2000	42	12	F/Su
CHLA	ug/L									

COCHECO RIVER, NH	NECZ	ROCHESTER	95	Impacted

Agency Station ID: **14A-CCH**
ENSR Station ID: **NHDES-14A-CCH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	2950	2950	2950	1	2000	2000	680	3	F/Su
TP	ug/L	295	295	295	1	2000	2000	42	12	F/Su
CHLA	ug/L									

COCHECO RIVER, NH	NECZ	ROCHESTER	95	Impacted

Agency Station ID: **15-CCH**
ENSR Station ID: **NHDES-15-CCH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	630	1120	875	2	1990	1990	680	3	F/Su
TP	ug/L	55	118	87	2	1990	1990	42	12	F/Su
CHLA	ug/L									

COCHECO RIVER, NH	NECZ	ROCHESTER	91	Impacted

Agency Station ID: **16-CCH**
ENSR Station ID: **NHDES-16-CCH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	610	610	610	1	2000	2000	680	3	F/Su
TP	ug/L	22	22	22	1	2000	2000	42	12	F/Su
CHLA	ug/L									

COCHECO RIVER, NH	NECZ	ROCHESTER	89	Impacted

Agency Station ID: **18-CCH**
ENSR Station ID: **NHDES-18-CCH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	510	2300	853	7	1990	1999	680	3	F/Su
TP	ug/L	22	180	52	7	1990	1999	42	12	F/Su
CHLA	ug/L									

COCHECO RIVER, NH	NECZ	ROCHESTER	64	Impacted

Agency Station ID: **19-CCH**
ENSR Station ID: **NHDES-19-CCH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	30	41	34	4	1999	1999	42	12	F/Su
CHLA	ug/L									

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
COCHECO RIVER, NH	NECZ	ROCHESTER	64	Impacted

Agency Station ID: **21-CCH**
ENSR Station ID: **NHDES-21-CCH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	370	370	370	1	1999	1999	680	3	F/Su
TP	ug/L	10	23	16	8	1999	1999	42	12	F/Su
CHLA	ug/L									

COCHECO RIVER, NH	NECZ	ROCHESTER	59	Impacted

Agency Station ID: **22-CCH**
ENSR Station ID: **NHDES-22-CCH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	380	810	571	9	1990	2000	680	3	F/Su
TP	ug/L	9	31	22	13	1990	2000	42	12	F/Su
CHLA	ug/L									

COCHECO RIVER, NH	NECZ	FARMINGTON	57	Impacted

Agency Station ID: **22A-CCH**
ENSR Station ID: **NHDES-22A-CCH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	380	750	565	11	1991	2000	680	3	F/Su
TP	ug/L	29	46	35	12	1991	2000	42	12	F/Su
CHLA	ug/L									

COCHECO RIVER, NH	NECZ	FARMINGTON	57	Impacted

Agency Station ID: **22B-CCH**
ENSR Station ID: **NHDES-22B-CCH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	510	860	690	8	1991	2000	680	3	F/Su
TP	ug/L	26	59	43	10	1991	2000	42	12	F/Su
CHLA	ug/L									

COCHECO RIVER, NH	NECZ	FARMINGTON	49	Impacted

Agency Station ID: **22C-CCH**
ENSR Station ID: **NHDES-22C-CCH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	460	1170	761	12	1991	2000	680	3	F/Su
TP	ug/L	7	77	43	18	1991	2000	42	12	F/Su
CHLA	ug/L									

COCHECO RIVER, NH	NECZ	FARMINGTON	49	Impacted

Agency Station ID: **23-CCH**
ENSR Station ID: **NHDES-23-CCH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	410	1350	755	18	1990	2000	680	3	F/Su
TP	ug/L	21	151	72	25	1990	2000	42	12	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
COCHECO RIVER, NH	NECZ	FARMINGTON	48	Impacted

Agency Station ID: **23A-CCH**
ENSR Station ID: **NHDES-23A-CCH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	480	1820	1268	11	1991	2000	680	3	F/Su
TP	ug/L	33	118	84	22	1991	2000	42	12	F/Su
CHLA	ug/L									

COCHECO RIVER, NH	NECZ	FARMINGTON	45	Impacted

Agency Station ID: **23B-CCH**
ENSR Station ID: **NHDES-23B-CCH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	610	1590	923	7	1991	1991	680	3	F/Su
TP	ug/L	16	253	126	9	1991	1991	42	12	F/Su
CHLA	ug/L									

COCHECO RIVER, NH	NECZ	FARMINGTON	45	Impacted

Agency Station ID: **23C-CCH**
ENSR Station ID: **NHDES-23C-CCH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	500	1140	774	8	1991	1991	680	3	F/Su
TP	ug/L	16	27	19	10	1991	1991	42	12	F/Su
CHLA	ug/L									

COCHECO RIVER, NH	NECZ	FARMINGTON	37	Impacted

Agency Station ID: **25-CCH**
ENSR Station ID: **NHDES-25-CCH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	230	910	501	7	1990	1999	680	3	F/Su
TP	ug/L	5	29	14	10	1990	2000	42	12	F/Su
CHLA	ug/L									

COCHECO RIVER, NH	NECZ	FARMINGTON	25	Impacted

Agency Station ID: **26-CCH**
ENSR Station ID: **NHDES-26-CCH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	9	27	16	7	1999	2000	42	12	F/Su
CHLA	ug/L									

COHAS BROOK, NH	NECZ	MANCHESTER	15	Test

Agency Station ID: **04-COH**
ENSR Station ID: **NHDES-04-COH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	920	1040	980	2	2000	2000	850	2	Su
TP	ug/L	24	37	31	2	2000	2000	30	2	Su
CHLA	ug/L									

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
COHAS BROOK, NH	NECZ	AUBURN	8	Test

Agency Station ID: **07-COH**
ENSR Station ID: **NHDES-07-COH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	820	880	850	4	1999	2000	850	2	Su
TP	ug/L	21	38	30	4	1999	2000	30	2	Su
CHLA	ug/L									

COLD RIVER, NH	NEH	WALPOLE	101	Test

Agency Station ID: **01-CLD**
ENSR Station ID: **NHDES-01-CLD**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	430	440	435	2	2000	2000	310	3	Su
TP	ug/L	5	10	7	3	2000	2000	7	4	Su
CHLA	ug/L									

COLD RIVER, NH	NEH	WALPOLE	84	Test

Agency Station ID: **02-CLD**
ENSR Station ID: **NHDES-02-CLD**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	270	350	310	2	2000	2000	310	3	Su
TP	ug/L	5	9	7	4	1997	2000	7	4	Su
CHLA	ug/L									

COLD RIVER, NH	NEH	ALSTEAD	74	Test

Agency Station ID: **04-CLD**
ENSR Station ID: **NHDES-04-CLD**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	230	950	590	2	2000	2000	310	3	Su
TP	ug/L	7	38	16	4	1997	2000	7	4	Su
CHLA	ug/L									

COLD RIVER, NH	NEH	ACWORTH	54	Test

Agency Station ID: **05A-CLD**
ENSR Station ID: **NHDES-05A-CLD**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	3	7	5	2	1999	1999	7	4	Su
CHLA	ug/L									

CONNECTICUT RIVER, NH	NECZ	NORTHFIELD	6705	Test

Agency Station ID: **01-CNT**
ENSR Station ID: **NHDES-01-CNT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	250	870	445	23	1990	2000	420	2	Su
TP	ug/L	8	70	20	30	1990	2000	13	2	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
CONNECTICUT RIVER, NH	NECZ	BRATTLEBORO	5759	Test

Agency Station ID: **07-CNT**
ENSR Station ID: **NHDES-07-CNT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	330	630	473	4	1997	2000	420	2	Su
TP	ug/L	8	14	12	5	1997	2000	13	2	Su
CHLA	ug/L									

CONNECTICUT RIVER, NH	NEH	WALPOLE	5618	Test

Agency Station ID: **10-CNT**
ENSR Station ID: **NHDES-10-CNT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	380	480	432	5	1990	2000	500	23	Su
TP	ug/L	8	49	19	10	1990	2000	15	23	Su
CHLA	ug/L									

CONNECTICUT RIVER, NH	NEH	WALPOLE	5408	Test

Agency Station ID: **13-CNT**
ENSR Station ID: **NHDES-13-CNT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	450	480	465	2	2000	2000	500	23	Su
TP	ug/L	8	24	16	4	1997	2000	15	23	Su
CHLA	ug/L									

CONNECTICUT RIVER, NH	NEH	CHARLESTOWN	5049	Test

Agency Station ID: **15-CNT**
ENSR Station ID: **NHDES-15-CNT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	310	480	393	3	2000	2000	500	23	Su
TP	ug/L	7	30	15	4	1997	2000	15	23	Su
CHLA	ug/L									

CONNECTICUT RIVER, NH	NEH	CLAREMONT	4984	Test

Agency Station ID: **20-CNT**
ENSR Station ID: **NHDES-20-CNT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	400	570	495	4	1997	2000	500	23	Su
TP	ug/L	9	16	13	5	1997	2000	15	23	Su
CHLA	ug/L									

CONNECTICUT RIVER, NH	NEH	CORNISH	4622	Test

Agency Station ID: **22-CNT**
ENSR Station ID: **NHDES-22-CNT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	360	930	549	7	1990	2000	500	23	Su
TP	ug/L	10	44	17	11	1990	2000	15	23	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
CONNECTICUT RIVER, NH	NEH	LEBANON	4285	Test

Agency Station ID: **27-CNT**
ENSR Station ID: **NHDES-27-CNT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	350	440	395	2	2000	2000	500	23	Su
TP	ug/L	8	9	9	2	2000	2000	15	23	Su
CHLA	ug/L									

CONNECTICUT RIVER, NH	NEH	LEBANON	3375	Test

Agency Station ID: **28-CNT**
ENSR Station ID: **NHDES-28-CNT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	900	900	900	1	1997	1997	500	23	Su
TP	ug/L	41	58	50	2	1997	1997	15	23	Su
CHLA	ug/L									

CONNECTICUT RIVER, NH	NEH	HANOVER	3328	Test

Agency Station ID: **30-CNT**
ENSR Station ID: **NHDES-30-CNT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	430	590	497	3	1997	2000	500	23	Su
TP	ug/L	7	48	27	4	1997	2000	15	23	Su
CHLA	ug/L									

CONNECTICUT RIVER, NH	NEH	LYME	3135	Test

Agency Station ID: **33-CNT**
ENSR Station ID: **NHDES-33-CNT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	680	680	680	1	1997	1997	500	23	Su
TP	ug/L	10	24	17	2	1997	1997	15	23	Su
CHLA	ug/L									

CONNECTICUT RIVER, NH	NEH	ORFORD	3092	Test

Agency Station ID: **35-CNT**
ENSR Station ID: **NHDES-35-CNT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	580	580	580	1	1997	1997	500	23	Su
TP	ug/L	12	12	12	2	1997	1997	15	23	Su
CHLA	ug/L									

CONNECTICUT RIVER, NH	NEH	HAVERHILL	2779	Test

Agency Station ID: **40-CNT**
ENSR Station ID: **NHDES-40-CNT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	360	580	478	4	1997	2000	500	23	Su
TP	ug/L	5	23	14	5	1997	2000	15	23	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
CONNECTICUT RIVER, NH	NEH	HAVERHILL	2639	Test

Agency Station ID: **43-CNT**
ENSR Station ID: **NHDES-43-CNT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	410	550	460	3	1997	2000	500	23	Su
TP	ug/L	5	23	12	5	1997	2000	15	23	Su
CHLA	ug/L									

CONNECTICUT RIVER, NH	NEH	MONROE	2205	Test

Agency Station ID: **47-CNT**
ENSR Station ID: **NHDES-47-CNT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	390	590	490	2	1997	2000	500	23	Su
TP	ug/L	5	23	10	5	1997	2000	15	23	Su
CHLA	ug/L									

CONNECTICUT RIVER, NH	NEH	DALTON	1596	Test

Agency Station ID: **53-CNT**
ENSR Station ID: **NHDES-53-CNT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	350	860	512	21	1990	2000	500	23	Su
TP	ug/L	8	69	23	27	1990	2000	15	23	Su
CHLA	ug/L									

CONNECTICUT RIVER, NH	NEH	DALTON	1428	Test

Agency Station ID: **55-CNT**
ENSR Station ID: **NHDES-55-CNT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	400	600	500	2	1992	1997	500	23	Su
TP	ug/L	18	39	26	3	1992	1997	15	23	Su
CHLA	ug/L									

CONNECTICUT RIVER, NH	NEH	LANCASTER	1408	Test

Agency Station ID: **56-CNT**
ENSR Station ID: **NHDES-56-CNT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	710	710	710	1	1997	1997	500	23	Su
TP	ug/L	20	33	27	2	1997	1997	15	23	Su
CHLA	ug/L									

CONNECTICUT RIVER, NH	NEH	LANCASTER	1243	Test

Agency Station ID: **58-CNT**
ENSR Station ID: **NHDES-58-CNT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	300	1170	513	21	1990	2000	500	23	Su
TP	ug/L	7	32	18	28	1990	2000	15	23	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
CONNECTICUT RIVER, NH	NEH	NORTHUMBERLAND	1194	Test

Agency Station ID: **61-CNT**
ENSR Station ID: **NHDES-61-CNT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	430	590	530	5	1992	2000	500	23	Su
TP	ug/L	12	23	19	6	1992	2000	15	23	Su
CHLA	ug/L									

CONNECTICUT RIVER, NH	NEH	STRATFORD	894	Test

Agency Station ID: **64-CNT**
ENSR Station ID: **NHDES-64-CNT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	430	820	568	4	1997	2000	500	23	Su
TP	ug/L	5	21	14	5	1997	2000	15	23	Su
CHLA	ug/L									

CONNECTICUT RIVER, NH	NEH	STRATFORD	651	Test

Agency Station ID: **67-CNT**
ENSR Station ID: **NHDES-67-CNT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	410	910	605	4	1997	2000	500	23	Su
TP	ug/L	6	19	12	5	1997	2000	15	23	Su
CHLA	ug/L									

CONNECTICUT RIVER, NH	NEH	COLEBROOK	547	Test

Agency Station ID: **69-CNT**
ENSR Station ID: **NHDES-69-CNT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	380	830	590	4	1997	2000	500	23	Su
TP	ug/L	6	20	12	5	1997	2000	15	23	Su
CHLA	ug/L									

CONNECTICUT RIVER, NH	NEH	PITTSBURG	260	Test

Agency Station ID: **74-CNT**
ENSR Station ID: **NHDES-74-CNT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	390	720	493	4	1997	2000	500	23	Su
TP	ug/L	6	28	15	4	1997	2000	15	23	Su
CHLA	ug/L									

CONNECTICUT RIVER, NH	NEH	PITTSBURG	180	Test

Agency Station ID: **76-CNT**
ENSR Station ID: **NHDES-76-CNT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	410	560	470	4	1997	2000	500	23	Su
TP	ug/L	6	32	18	4	1997	2000	15	23	Su
CHLA	ug/L									

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
CONTOOCOOK RIVER, NH	NEH	BOSCAWEN	764	Impacted

Agency Station ID: **02-CTC**
ENSR Station ID: **NHDES-02-CTC**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	260	560	414	15	1990	2000	500	1	Sp/Su
TP	ug/L	15	33	21	28	1990	2000	27	1	Sp/Su
CHLA	ug/L									

CONTOOCOOK RIVER, NH	NEH	HOPKINTON	589	Impacted

Agency Station ID: **07-CTC**
ENSR Station ID: **NHDES-07-CTC**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	560	560	560	1	1999	1999	500	1	Sp/Su
TP	ug/L	31	31	31	1	1999	1999	27	1	Sp/Su
CHLA	ug/L									

CONTOOCOOK RIVER, NH	NEH	HOPKINTON	436	Impacted

Agency Station ID: **09-CTC**
ENSR Station ID: **NHDES-09-CTC**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	540	540	540	1	1999	1999	500	1	Sp/Su
TP	ug/L	21	32	25	4	1991	1999	27	1	Sp/Su
CHLA	ug/L									

CONTOOCOOK RIVER, NH	NEH	HOPKINTON	426	Impacted

Agency Station ID: **10-CTC**
ENSR Station ID: **NHDES-10-CTC**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	410	410	410	1	1999	1999	500	1	Sp/Su
TP	ug/L	25	31	29	4	1991	1999	27	1	Sp/Su
CHLA	ug/L									

CONTOOCOOK RIVER, NH	NEH	HENNIKER	377	Impacted

Agency Station ID: **13-CTC**
ENSR Station ID: **NHDES-13-CTC**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	700	700	700	1	1999	1999	500	1	Sp/Su
TP	ug/L	31	38	35	4	1991	1999	27	1	Sp/Su
CHLA	ug/L									

CONTOOCOOK RIVER, NH	NEH	HILLSBOROUGH	347	Impacted

Agency Station ID: **18-CTC**
ENSR Station ID: **NHDES-18-CTC**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	510	510	510	1	1999	1999	500	1	Sp/Su
TP	ug/L	22	31	26	4	1991	1999	27	1	Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
CONTOOCOOK RIVER, NH	NEH	ANTRIM	210	Impacted

Agency Station ID: **21-CTC**
ENSR Station ID: **NHDES-21-CTC**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	600	600	600	1	1999	1999	500	1	Sp/Su
TP	ug/L	38	38	38	1	1999	1999	27	1	Sp/Su
CHLA	ug/L									

CONTOOCOOK RIVER, NH	NEH	BENNINGTON	11	Impacted

Agency Station ID: **22-CTC**
ENSR Station ID: **NHDES-22-CTC**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	490	930	710	2	1999	1999	500	1	Sp/Su
TP	ug/L	25	57	38	5	1991	1999	27	1	Sp/Su
CHLA	ug/L									

CONTOOCOOK RIVER, NH	NEH	HANCOCK	150	Impacted

Agency Station ID: **25'-CTC**
ENSR Station ID: **NHDES-25'-CTC**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	350	1150	624	18	1990	2000	500	1	Sp/Su
TP	ug/L	27	94	51	27	1990	2000	27	1	Sp/Su
CHLA	ug/L									

CONTOOCOOK RIVER, NH	NEH	PETERBOROUGH	124	Impacted

Agency Station ID: **26-CTC**
ENSR Station ID: **NHDES-26-CTC**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	25	38	31	3	1991	1991	27	1	Sp/Su
CHLA	ug/L									

CONTOOCOOK RIVER, NH	NEH	PETERBOROUGH	66	Impacted

Agency Station ID: **31-CTC**
ENSR Station ID: **NHDES-31-CTC**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	41	84	63	2	1991	1991	27	1	Sp/Su
CHLA	ug/L									

CONTOOCOOK RIVER, NH	NEH	PETERBOROUGH	53	Impacted

Agency Station ID: **31A-CTC**
ENSR Station ID: **NHDES-31A-CTC**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	51	124	88	2	1991	1991	27	1	Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
CONTOOCOOK RIVER, NH	NEH	PETERBOROUGH	22	Impacted

Agency Station ID: **31B-CTC**
ENSR Station ID: **NHDES-31B-CTC**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	47	150	99	2	1991	1991	27	1	Sp/Su
CHLA	ug/L									

CONTOOCOOK RIVER, NH	NEH	JAFFREY	22	Impacted

Agency Station ID: **31C-CTC**
ENSR Station ID: **NHDES-31C-CTC**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	42	187	115	2	1991	1991	27	1	Sp/Su
CHLA	ug/L									

CONTOOCOOK RIVER, NH	NEH	JAFFREY	22	Impacted

Agency Station ID: **32-CTC**
ENSR Station ID: **NHDES-32-CTC**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	1000	2400	1850	3	1999	1999	500	1	Sp/Su
TP	ug/L	40	288	145	6	1991	1999	27	1	Sp/Su
CHLA	ug/L									

CONTOOCOOK RIVER, NH	NEH	JAFFREY	22	Impacted

Agency Station ID: **32A-CTC**
ENSR Station ID: **NHDES-32A-CTC**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	33	34	34	2	1991	1991	27	1	Sp/Su
CHLA	ug/L									

CONTOOCOOK RIVER, NH	NEH	JAFFREY	20	Impacted

Agency Station ID: **33-CTC**
ENSR Station ID: **NHDES-33-CTC**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	24	46	35	2	1991	1991	27	1	Sp/Su
CHLA	ug/L									

DART BROOK, NH	NEH	GILSUM	6	Test

Agency Station ID: **01-DTB**
ENSR Station ID: **NHDES-01-DTB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	270	480	375	2	1999	1999	375	1	Su
TP	ug/L	5	5	5	2	1999	1999	5	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
DEAD RIVER, NH	NEH	BERLIN	16	Test

Agency Station ID: **02-DED**
ENSR Station ID: **NHDES-02-DED**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	340	1110	638	4	1990	1998	550	1	Sp/Su
TP	ug/L	13	58	30	5	1990	1998	26	1	Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
DIAMOND RIVER, NH	NEH	SECOND COLLEGE GR	153	Test

Agency Station ID: **01-DIA**
ENSR Station ID: **NHDES-01-DIA**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	280	880	518	4	1990	1998	455	1	Su
TP	ug/L	10	97	31	6	1990	1998	16	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
DUDLEY BROOK, NH	NECZ	RAYMOND	2	Test

Agency Station ID: **01-DUD**
ENSR Station ID: **NHDES-01-DUD**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	470	490	480	2	2000	2000	480	3	Su
TP	ug/L	22	57	32	10	1993	2000	21	1	Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
DUDLEY BROOK, NH	NECZ	RAYMOND	53	Test

Agency Station ID: **01A-DUD**
ENSR Station ID: **NHDES-01A-DUD**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	470	620	563	3	2000	2000	480	3	Su
TP	ug/L	21	30	24	3	2000	2000	21	1	Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
DUDLEY BROOK, NH	NEH	DEERING	9	Test

Agency Station ID: **02-DLY**
ENSR Station ID: **NHDES-02-DLY**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	450	450	450	1	1999	1999	450	1	Su
TP	ug/L	19	26	23	3	1999	1999	23	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
DUDLEY BROOK, NH	NECZ	RAYMOND	2	Test

Agency Station ID: **02-DUD**
ENSR Station ID: **NHDES-02-DUD**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	640	640	640	1	2000	2000	480	3	Su
TP	ug/L	17	27	21	3	2000	2000	21	1	Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
EAST BRANCH PEMIGEWASSET RIVER, NH	NEH	LINCOLN	116	Test

Agency Station ID: **01'-EBP**
ENSR Station ID: **NHDES-01'-EBP**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	2	3	3	3	1991	1991	3	2	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
EAST BRANCH PEMIGEWASSET RIVER, NH	NEH	WOODSTOCK	118	Test

Agency Station ID: **01-EBP**
ENSR Station ID: **NHDES-01-EBP**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	35	48	42	2	1991	1991	3	2	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
EAST BRANCH SACO RIVER, NH	NEH	BARTLETT	40	Test

Agency Station ID: **02-EBS**
ENSR Station ID: **NHDES-02-EBS**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	380	510	445	2	1998	1998	445	1	Su
TP	ug/L	4	75	29	5	1990	1998	11	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
EASTMAN BROOK, NH	NEH	PIERMONT	22	Test

Agency Station ID: **01'-EMB**
ENSR Station ID: **NHDES-01'-EMB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	300	350	333	3	2000	2000	250	3	Su
TP	ug/L	6	9	8	2	2000	2000	8	4	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
EASTMAN BROOK, NH	NEH	WOODSTOCK	24	Test

Agency Station ID: **01-EAS**
ENSR Station ID: **NHDES-01-EAS**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	2	5	4	2	1991	1991	8	4	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
EASTMAN BROOK, NH	NEH	PIERMONT	22	Test

Agency Station ID: **01A-EMB**
ENSR Station ID: **NHDES-01A-EMB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	250	250	250	1	1997	1997	250	3	Su
TP	ug/L	7	8	8	2	1997	1997	8	4	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
EASTMAN BROOK, NH	NEH	PIERMONT	22	Test

Agency Station ID: **02-EMB**
ENSR Station ID: **NHDES-02-EMB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	450	450	450	1	1997	1997	250	3	Su
TP	ug/L	9	17	13	2	1997	1997	8	4	Su
CHLA	ug/L									

ELLIS RIVER, NH	NEH	BARTLETT	57	Test

Agency Station ID: **01-ELL**
ENSR Station ID: **NHDES-01-ELL**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	420	470	445	2	1998	1998	330	2	Su
TP	ug/L	6	23	13	3	1998	1998	7	2	Su
CHLA	ug/L									

ELLIS RIVER, NH	NEH	JACKSON	29	Test

Agency Station ID: **04-ELL**
ENSR Station ID: **NHDES-04-ELL**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	310	350	330	2	1990	1990	330	2	Su
TP	ug/L	3	10	7	2	1990	1990	7	2	Su
CHLA	ug/L									

EMERSON HILL BROOK, NH	NEH	NEW IPSWICH	1	Test

Agency Station ID: **01-EHB**
ENSR Station ID: **NHDES-01-EHB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	16	16	16	1	1999	1999	16	1	Su
CHLA	ug/L									

EXETER RIVER, NH	NECZ	EXETER	107	Test

Agency Station ID: **09-EXT**
ENSR Station ID: **NHDES-09-EXT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	560	1120	793	6	1990	1999	698	12	Su
TP	ug/L	4	51	37	8	1990	1999	20	13	Su
CHLA	ug/L									

EXETER RIVER, NH	NECZ	EXETER	120	Test

Agency Station ID: **09A-EXT**
ENSR Station ID: **NHDES-09A-EXT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	1780	1780	1780	1	1999	1999	698	12	Su
TP	ug/L	169	314	242	2	1999	1999	20	13	Su
CHLA	ug/L									

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
EXETER RIVER, NH	NECZ	EXETER	76	Test

Agency Station ID: **12-EXT**
ENSR Station ID: **NHDES-12-EXT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	650	940	755	4	1998	1999	698	12	Su
TP	ug/L	17	36	27	5	1998	1999	20	13	Su
CHLA	ug/L									

EXETER RIVER, NH	NECZ	EXETER	76	Test

Agency Station ID: **13-EXT**
ENSR Station ID: **NHDES-13-EXT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	370	690	586	5	1998	1999	698	12	Su
TP	ug/L	18	24	21	5	1998	1999	20	13	Su
CHLA	ug/L									

EXETER RIVER, NH	NECZ	BRENTWOOD	76	Test

Agency Station ID: **14-EXT**
ENSR Station ID: **NHDES-14-EXT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	660	750	720	3	1998	1998	698	12	Su
TP	ug/L	21	30	24	5	1998	1999	20	13	Su
CHLA	ug/L									

EXETER RIVER, NH	NECZ	BRENTWOOD	64	Test

Agency Station ID: **15-EXT**
ENSR Station ID: **NHDES-15-EXT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	460	1250	746	5	1998	1999	698	12	Su
TP	ug/L	15	25	20	5	1998	1999	20	13	Su
CHLA	ug/L									

EXETER RIVER, NH	NECZ	BRENTWOOD	64	Test

Agency Station ID: **16-EXT**
ENSR Station ID: **NHDES-16-EXT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	510	570	540	2	1999	1999	698	12	Su
TP	ug/L	12	19	15	3	1999	1999	20	13	Su
CHLA	ug/L									

EXETER RIVER, NH	NECZ	BRENTWOOD	64	Test

Agency Station ID: **18-EXT**
ENSR Station ID: **NHDES-18-EXT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	740	740	740	2	1998	1998	698	12	Su
TP	ug/L	15	28	22	5	1998	1999	20	13	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
EXETER RIVER, NH	NECZ	BRENTWOOD	64	Test

Agency Station ID: **19-EXT**
ENSR Station ID: **NHDES-19-EXT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	16	23	20	2	1999	1999	20	13	Su
CHLA	ug/L									

EXETER RIVER, NH	NECZ	FREMONT	25	Test

Agency Station ID: **20-EXT**
ENSR Station ID: **NHDES-20-EXT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	460	1860	990	3	1998	1999	698	12	Su
TP	ug/L	18	25	21	5	1998	1999	20	13	Su
CHLA	ug/L									

EXETER RIVER, NH	NECZ	FREMONT	27	Test

Agency Station ID: **22-EXT**
ENSR Station ID: **NHDES-22-EXT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	690	830	760	2	1999	1999	698	12	Su
TP	ug/L	17	27	21	3	1998	1999	20	13	Su
CHLA	ug/L									

EXETER RIVER, NH	NECZ	FREMONT	27	Test

Agency Station ID: **22A-EXT**
ENSR Station ID: **NHDES-22A-EXT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	520	770	645	2	2000	2000	698	12	Su
TP	ug/L	16	27	21	3	2000	2000	20	13	Su
CHLA	ug/L									

EXETER RIVER, NH	NECZ	SANDOWN	7	Test

Agency Station ID: **30-EXT**
ENSR Station ID: **NHDES-30-EXT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	310	560	433	3	1999	1999	698	12	Su
TP	ug/L	9	17	12	3	1999	1999	20	13	Su
CHLA	ug/L									

FOLSOM BROOK, NH	NEH	OSSIPEE	329	Test

Agency Station ID: **02-FOL**
ENSR Station ID: **NHDES-02-FOL**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	460	460	460	1	1990	1990	460	1	Su
TP	ug/L	22	22	22	1	1990	1990	22	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
FORDWAY BROOK, NH	NECZ	RAYMOND	6	Test

Agency Station ID: **03-FDY**
ENSR Station ID: **NHDES-03-FDY**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	37	38	38	3	1999	1999	38	1	Su
CHLA	ug/L									

FOX BROOK, NH	NEH	NEW IPSWICH	3	Test

Agency Station ID: **01-FOX**
ENSR Station ID: **NHDES-01-FOX**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	35	35	35	1	1999	1999	35	1	Su
CHLA	ug/L									

FURNACE BROOK, NH	NEH	NEW IPSWICH	4	Test

Agency Station ID: **00'-FCB**
ENSR Station ID: **NHDES-00'-FCB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	23	23	23	1	1999	1999	23	5	Su
CHLA	ug/L									

FURNACE BROOK, NH	NEH	NEW IPSWICH	4	Test

Agency Station ID: **01-FCB**
ENSR Station ID: **NHDES-01-FCB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	25	25	25	1	1999	1999	23	5	Su
CHLA	ug/L									

FURNACE BROOK, NH	NEH	NEW IPSWICH	4	Test

Agency Station ID: **02-FCB**
ENSR Station ID: **NHDES-02-FCB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	42	42	42	1	1999	1999	23	5	Su
CHLA	ug/L									

FURNACE BROOK, NH	NEH	NEW IPSWICH	4	Test

Agency Station ID: **03-FCB**
ENSR Station ID: **NHDES-03-FCB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	16	16	16	1	1999	1999	23	5	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
FURNACE BROOK, NH	NEH	NEW IPSWICH	4	Test

Agency Station ID: **04-FCB**
ENSR Station ID: **NHDES-04-FCB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	20	20	1	1999	1999	23	5	Su
CHLA	ug/L									

GALE RIVER, NH	NEH	LISBON	93	Test

Agency Station ID: **01-GAL**
ENSR Station ID: **NHDES-01-GAL**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	500	500	500	1	1997	1997	500	1	Su
TP	ug/L	9	20	15	2	1997	1997	10	4	Su
CHLA	ug/L									

GALE RIVER, NH	NEH	FRANCONIA	81	Test

Agency Station ID: **03-GAL**
ENSR Station ID: **NHDES-03-GAL**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	6	6	6	1	1993	1993	10	4	Su
CHLA	ug/L									

GALE RIVER, NH	NEH	FRANCONIA	46	Test

Agency Station ID: **04-GAL**
ENSR Station ID: **NHDES-04-GAL**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	8	8	8	1	1993	1993	10	4	Su
CHLA	ug/L									

GALE RIVER, NH	NEH	FRANCONIA	31	Test

Agency Station ID: **05-GAL**
ENSR Station ID: **NHDES-05-GAL**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	11	11	11	1	1993	1993	10	4	Su
CHLA	ug/L									

GREAT BROOK, NH	NEH	NEW LONDON	5	Test

Agency Station ID: **01-GEA**
ENSR Station ID: **NHDES-01-GEA**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	160	160	160	1	1999	1999	160	1	Su
TP	ug/L	6	7	6	3	1999	1999	6	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
GREAT MEADOWS BROOK, NH	NECZ	KENSINGTON	8	Test

Agency Station ID: **01-GMB**
ENSR Station ID: **NHDES-01-GMB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	113	157	130	3	1999	1999	120	1	Su
CHLA	ug/L									

GRIDLEY BROOK, NH	NEH	SHARON	26	Test

Agency Station ID: **01-GRD**
ENSR Station ID: **NHDES-01-GRD**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	18	21	20	2	1991	1991	20	1	Su
CHLA	ug/L									

GUES MEADOW BROOK, NH	NEH	LOUDON	4	Test

Agency Station ID: **01-GUE**
ENSR Station ID: **NHDES-01-GUE**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	1440	1440	1440	1	1999	1999	1440	2	Su
TP	ug/L	12	12	12	1	1999	1999	8	2	Su
CHLA	ug/L									

GUES MEADOW BROOK, NH	NEH	LOUDON	4	Test

Agency Station ID: **02-GUE**
ENSR Station ID: **NHDES-02-GUE**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	1620	1620	1620	1	1999	1999	1440	2	Su
TP	ug/L	8	8	8	1	1999	1999	8	2	Su
CHLA	ug/L									

GULF BROOK, NH	NECZ	EPSOM	5	Test

Agency Station ID: **01-GLF**
ENSR Station ID: **NHDES-01-GLF**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	440	530	485	2	2000	2000	485	1	Su
TP	ug/L	12	23	18	2	2000	2000	18	1	Su
CHLA	ug/L									

HALLS STREAM, NH	NEH	CANAAN	90	Test

Agency Station ID: **01-HAS**
ENSR Station ID: **NHDES-01-HAS**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	510	1340	982	5	1993	2000	1080	1	Su
TP	ug/L	7	163	53	6	1993	2000	39	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
HARDY HILL BROOK, NH	NEH	LEBANON	2	Test

Agency Station ID: **01-HDY**
ENSR Station ID: **NHDES-01-HDY**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	220	220	220	1	2000	2000	220	3	Su
TP	ug/L	6	8	7	2	2000	2000	6	3	Su
CHLA	ug/L									

HARDY HILL BROOK, NH	NEH	LEBANON	2	Test

Agency Station ID: **02-HDY**
ENSR Station ID: **NHDES-02-HDY**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	230	240	235	2	2000	2000	220	3	Su
TP	ug/L	5	6	6	2	2000	2000	6	3	Su
CHLA	ug/L									

HARDY HILL BROOK, NH	NEH	LEBANON	2	Test

Agency Station ID: **03-HDY**
ENSR Station ID: **NHDES-03-HDY**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	200	260	230	2	2000	2000	220	3	Su
TP	ug/L	7	7	7	2	2000	2000	6	3	Su
CHLA	ug/L									

HARTFORD BROOK, NH	NECZ	DEERFIELD	11	Test

Agency Station ID: **01-HAR**
ENSR Station ID: **NHDES-01-HAR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	750	800	775	2	2000	2000	775	1	Su
TP	ug/L	6	46	23	10	1993	2000	20	1	Sp/Su
CHLA	ug/L									

HATCHERY BROOK, NH	NEH	NEW HAMPTON	4	Test

Agency Station ID: **01-HYB**
ENSR Station ID: **NHDES-01-HYB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	21	56	35	3	1991	1991	28	1	Su
CHLA	ug/L									

HEWES BROOK, NH	NEH	LYME	12	Test

Agency Station ID: **01-HEW**
ENSR Station ID: **NHDES-01-HEW**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	510	510	510	1	1997	1997	510	1	Su
TP	ug/L	8	27	18	2	1997	1997	18	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
HODGSON BROOK, NH	NEH	WEARE	0	Test

Agency Station ID: **01-HOB**
ENSR Station ID: **NHDES-01-HOB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	810	1130	943	3	2000	2000	890	1	Su
TP	ug/L	32	53	43	3	2000	2000	43	1	Su
CHLA	ug/L									

HORNE BROOK, NH	NEH	BERLIN	14	Test

Agency Station ID: **01-HNB**
ENSR Station ID: **NHDES-01-HNB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	280	280	280	1	1998	1998	280	1	Su
TP	ug/L	8	11	10	3	1998	1998	10	1	Su
CHLA	ug/L									

HOYT BROOK, NH	NEH	BRADFORD	12	Test

Agency Station ID: **01-HOY**
ENSR Station ID: **NHDES-01-HOY**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	180	390	277	3	1999	1999	260	1	Su
TP	ug/L	10	25	17	3	1999	1999	16	1	Su
CHLA	ug/L									

ISINGLASS RIVER, NH	NECZ	ROCHESTER	73	Test

Agency Station ID: **01-ISG**
ENSR Station ID: **NHDES-01-ISG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	340	340	340	1	2000	2000	395	1	F/Su
TP	ug/L	13	13	13	1	2000	2000	17	6	F/Su
CHLA	ug/L									

ISINGLASS RIVER, NH	NECZ	ROCHESTER	73	Test

Agency Station ID: **02-ISG**
ENSR Station ID: **NHDES-02-ISG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	280	1190	635	4	1990	1999	395	1	F/Su
TP	ug/L	16	31	24	7	1990	1999	17	6	F/Su
CHLA	ug/L									

ISINGLASS RIVER, NH	NECZ	BARRINGTON	66	Test

Agency Station ID: **04-ISG**
ENSR Station ID: **NHDES-04-ISG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	20	20	1	2000	2000	17	6	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
ISINGLASS RIVER, NH	NECZ	BARRINGTON	44	Test

Agency Station ID: **07'-ISG**
ENSR Station ID: **NHDES-07'-ISG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	17	17	17	1	2000	2000	17	6	F/Su
CHLA	ug/L									

ISINGLASS RIVER, NH	NECZ	BARRINGTON	44	Test

Agency Station ID: **07-ISG**
ENSR Station ID: **NHDES-07-ISG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	450	450	450	1	1998	1998	395	1	F/Su
TP	ug/L	14	24	19	7	1990	2000	17	6	F/Su
CHLA	ug/L									

ISINGLASS RIVER, NH	NECZ	BARRINGTON	44	Test

Agency Station ID: **08-ISG**
ENSR Station ID: **NHDES-08-ISG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	18	25	22	2	2000	2000	17	6	F/Su
CHLA	ug/L									

ISINGLASS RIVER, NH	NECZ	STRAFFORD	16	Test

Agency Station ID: **11-ISG**
ENSR Station ID: **NHDES-11-ISG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	11	11	11	1	2000	2000	17	6	F/Su
CHLA	ug/L									

ISINGLASS RIVER, NH	NECZ	STRAFFORD	16	Test

Agency Station ID: **12-ISG**
ENSR Station ID: **NHDES-12-ISG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	9	9	9	1	2000	2000	17	6	F/Su
CHLA	ug/L									

ISINGLASS RIVER, NH	NECZ	STRAFFORD	14	Test

Agency Station ID: **12A-ISG**
ENSR Station ID: **NHDES-12A-ISG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	11	11	11	1	2000	2000	17	6	F/Su
CHLA	ug/L									

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
ISRAEL RIVER, NH	NEH	LANCASTER	135	Test

Agency Station ID: **02'-ISR**
ENSR Station ID: **NHDES-02'-ISR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	210	310	257	3	2000	2000	250	2	Su
TP	ug/L	9	9	9	3	2000	2000	9	2	Su
CHLA	ug/L									

ISRAEL RIVER, NH	NEH	LANCASTER	135	Test

Agency Station ID: **02-ISR**
ENSR Station ID: **NHDES-02-ISR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	490	490	490	1	1997	1997	250	2	Su
TP	ug/L	13	22	18	2	1997	1997	9	2	Su
CHLA	ug/L									

JOHNS RIVER, NH	NEH	DALTON	75	Test

Agency Station ID: **01-JHN**
ENSR Station ID: **NHDES-01-JHN**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	420	960	636	5	1992	2000	600	3	Su
TP	ug/L	14	53	44	6	1992	2000	33	3	Su
CHLA	ug/L									

JOHNS RIVER, NH	NEH	DALTON	5	Test

Agency Station ID: **03-JHN**
ENSR Station ID: **NHDES-03-JHN**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	1030	1030	1030	1	1997	1997	600	3	Su
TP	ug/L	44	86	65	2	1997	1997	33	3	Su
CHLA	ug/L									

JOHNS RIVER, NH	NEH	WHITEFIELD	31	Test

Agency Station ID: **05-JHN**
ENSR Station ID: **NHDES-05-JHN**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	580	700	640	2	1997	2000	600	3	Su
TP	ug/L	19	44	31	5	1997	2000	33	3	Su
CHLA	ug/L									

KELLEY BROOK, NH	NECZ	PLAISTOW	4	Test

Agency Station ID: **01-KLY**
ENSR Station ID: **NHDES-01-KLY**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	260	990	617	3	1999	1999	600	1	Su
TP	ug/L	19	82	45	3	1999	1999	34	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
KELLEY BROOK, NH	NEH	PITTSFIELD	6	Test

Agency Station ID: **03-KEL**
ENSR Station ID: **NHDES-03-KEL**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	27	27	27	1	2000	2000	12	2	Su
CHLA	ug/L									

KELLEY BROOK, NH	NEH	GILMANTON	2	Test

Agency Station ID: **04-KEL**
ENSR Station ID: **NHDES-04-KEL**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	12	12	12	1	2000	2000	12	2	Su
CHLA	ug/L									

KIMBALL BROOK, NH	NEH	STRATFORD	3	Test

Agency Station ID: **01-KMB**
ENSR Station ID: **NHDES-01-KMB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	530	1900	1163	4	1997	2000	750	2	Su
TP	ug/L	6	25	15	5	1997	2000	15	2	Su
CHLA	ug/L									

KIMBALL BROOK, NH	NEH	STRATFORD	3	Test

Agency Station ID: **02-KMB**
ENSR Station ID: **NHDES-02-KMB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	750	750	750	1	1997	1997	750	2	Su
TP	ug/L	8	25	17	2	1997	1997	15	2	Su
CHLA	ug/L									

LAMPREY RIVER, NH	NECZ	NEWMARKET	213	Test

Agency Station ID: **05-LMP**
ENSR Station ID: **NHDES-05-LMP**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	450	780	643	4	1998	1999	260	2	F/Sp/Su
TP	ug/L	4	80	32	14	1993	1999	18	2	F/Sp/Su
CHLA	ug/L									

LAMPREY RIVER, NH	NECZ	DURHAM	182	Test

Agency Station ID: **07-LMP**
ENSR Station ID: **NHDES-07-LMP**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	600	840	720	2	1990	1999	260	2	F/Sp/Su
TP	ug/L	15	31	23	3	1990	1999	18	2	F/Sp/Su
CHLA	ug/L									

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
LAMPREY RIVER, NH	NECZ	DURHAM	182	Test

Agency Station ID: **08-LMP**
ENSR Station ID: **NHDES-08-LMP**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	480	1440	908	4	1998	1999	260	2	F/Sp/Su
TP	ug/L	13	33	26	6	1990	1999	18	2	F/Sp/Su
CHLA	ug/L									

LAMPREY RIVER, NH	NECZ	LEE	178	Test

Agency Station ID: **09-LMP**
ENSR Station ID: **NHDES-09-LMP**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	560	1340	875	4	1998	1999	260	2	F/Sp/Su
TP	ug/L	17	49	27	14	1990	1999	18	2	F/Sp/Su
CHLA	ug/L									

LAMPREY RIVER, NH	NECZ	LEE	152	Test

Agency Station ID: **11-LMP**
ENSR Station ID: **NHDES-11-LMP**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	130	1170	663	6	1990	1999	260	2	F/Sp/Su
TP	ug/L	19	43	28	12	1990	1999	18	2	F/Sp/Su
CHLA	ug/L									

LAMPREY RIVER, NH	NECZ	LEE	152	Test

Agency Station ID: **11A-LMP**
ENSR Station ID: **NHDES-11A-LMP**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	17	33	23	5	1993	1993	18	2	F/Sp/Su
CHLA	ug/L									

LAMPREY RIVER, NH	NECZ	EPPING	110	Test

Agency Station ID: **12-LMP**
ENSR Station ID: **NHDES-12-LMP**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	102	1970	812	7	1990	1999	260	2	F/Sp/Su
TP	ug/L	29	400	94	8	1990	1999	18	2	F/Sp/Su
CHLA	ug/L									

LAMPREY RIVER, NH	NECZ	EPPING	108	Test

Agency Station ID: **13-LMP**
ENSR Station ID: **NHDES-13-LMP**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	260	680	475	8	1990	1999	260	2	F/Sp/Su
TP	ug/L	8	23	14	9	1990	1999	18	2	F/Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
LAMPREY RIVER, NH	NECZ	EPPING	108	Test

Agency Station ID: **14-LMP**
ENSR Station ID: **NHDES-14-LMP**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	640	640	640	1	1999	1999	260	2	F/Sp/Su
TP	ug/L	10	343	51	9	1993	1999	18	2	F/Sp/Su
CHLA	ug/L									

LAMPREY RIVER, NH	NECZ	EPPING	103	Test

Agency Station ID: **15-LMP**
ENSR Station ID: **NHDES-15-LMP**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	290	3620	1198	5	1998	1999	260	2	F/Sp/Su
TP	ug/L	6	22	13	5	1998	1999	18	2	F/Sp/Su
CHLA	ug/L									

LAMPREY RIVER, NH	NECZ	RAYMOND	74	Test

Agency Station ID: **17-LMP**
ENSR Station ID: **NHDES-17-LMP**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	400	700	550	2	1999	1999	260	2	F/Sp/Su
TP	ug/L	7	8	8	2	1999	1999	18	2	F/Sp/Su
CHLA	ug/L									

LAMPREY RIVER, NH	NECZ	RAYMOND	71	Test

Agency Station ID: **18-LMP**
ENSR Station ID: **NHDES-18-LMP**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	450	1200	790	4	1998	1999	260	2	F/Sp/Su
TP	ug/L	6	42	22	5	1998	1999	18	2	F/Sp/Su
CHLA	ug/L									

LAMPREY RIVER, NH	NECZ	RAYMOND	70	Test

Agency Station ID: **19-LMP**
ENSR Station ID: **NHDES-19-LMP**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	690	690	690	1	1999	1999	260	2	F/Sp/Su
TP	ug/L	9	110	22	15	1993	1999	18	2	F/Sp/Su
CHLA	ug/L									

LAMPREY RIVER, NH	NECZ	RAYMOND	68	Test

Agency Station ID: **20-LMP**
ENSR Station ID: **NHDES-20-LMP**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	470	670	570	2	1999	1999	260	2	F/Sp/Su
TP	ug/L	11	12	12	2	1999	1999	18	2	F/Sp/Su
CHLA	ug/L									

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
LAMPREY RIVER, NH	NECZ	RAYMOND	56	Test

Agency Station ID: **21-LMP**
ENSR Station ID: **NHDES-21-LMP**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	150	1130	472	9	1990	1999	260	2	F/Sp/Su
TP	ug/L	8	45	17	19	1990	1999	18	2	F/Sp/Su
CHLA	ug/L									

LAMPREY RIVER, NH	NECZ	RAYMOND	34	Test

Agency Station ID: **22-LMP**
ENSR Station ID: **NHDES-22-LMP**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	7	20	13	5	1993	1993	18	2	F/Sp/Su
CHLA	ug/L									

LAMPREY RIVER, NH	NECZ	DEERFIELD	16	Test

Agency Station ID: **24A-LMP**
ENSR Station ID: **NHDES-24A-LMP**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	36	20	15	1993	1993	18	2	F/Sp/Su
CHLA	ug/L									

LAMPREY RIVER, NH	NECZ	DEERFIELD	5	Test

Agency Station ID: **29-LMP**
ENSR Station ID: **NHDES-29-LMP**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	9	61	21	10	1993	1993	18	2	F/Sp/Su
CHLA	ug/L									

LITTLE COHAS RIVER, NH	NECZ	MANCHESTER	9	Test

Agency Station ID: **02-LCH**
ENSR Station ID: **NHDES-02-LCH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	1170	1320	1227	3	2000	2000	1190	1	Su
TP	ug/L	11	29	20	3	2000	2000	21	1	Su
CHLA	ug/L									

LITTLE RIVER, NH	NECZ	LEE	19	Test

Agency Station ID: **01-LTR**
ENSR Station ID: **NHDES-01-LTR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	460	950	673	3	1998	1998	430	2	Su
TP	ug/L	11	46	24	11	1993	1998	24	2	Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
LITTLE RIVER, NH	NECZ	LEE	19	Test

Agency Station ID: **01A-LTR**
ENSR Station ID: **NHDES-01A-LTR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	14	50	27	8	1993	1993	24	2	Sp/Su
CHLA	ug/L									

LITTLE RIVER, NH	NECZ	LEE	19	Test

Agency Station ID: **02-LTR**
ENSR Station ID: **NHDES-02-LTR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	35	55	42	3	2000	2000	24	2	Sp/Su
CHLA	ug/L									

LITTLE RIVER, NH	NECZ	LEE	17	Test

Agency Station ID: **02A-LTR**
ENSR Station ID: **NHDES-02A-LTR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	430	430	430	1	1990	1990	430	2	Su
TP	ug/L	26	29	28	2	1990	1990	24	2	Sp/Su
CHLA	ug/L									

LITTLE SUGAR RIVER, NH	NEH	CHARLESTOWN	29	Test

Agency Station ID: **01-LSG**
ENSR Station ID: **NHDES-01-LSG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	340	470	405	2	2000	2000	405	2	Su
TP	ug/L	6	11	9	3	1997	2000	6	2	Su
CHLA	ug/L									

LITTLE SUGAR RIVER, NH	NEH	CHARLESTOWN	1	Test

Agency Station ID: **02A-LSG**
ENSR Station ID: **NHDES-02A-LSG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	280	630	455	2	1999	1999	405	2	Su
TP	ug/L	4	7	6	3	1999	1999	6	2	Su
CHLA	ug/L									

LITTLE SUNCOOK RIVER, NH	NECZ	EPSOM	40	Test

Agency Station ID: **01-LSN**
ENSR Station ID: **NHDES-01-LSN**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	25	27	26	3	1991	1991	26	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
LONG POND BROOK, NH	NEH	NEWPORT	75	Test

Agency Station ID: **01-LPB**
ENSR Station ID: **NHDES-01-LPB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	350	550	427	3	1992	1992	380	2	Su
TP	ug/L	14	16	15	4	1992	1992	15	2	Su
CHLA	ug/L									

LONG POND BROOK, NH	NEH	CROYDON	5	Test

Agency Station ID: **04-LPD**
ENSR Station ID: **NHDES-04-LPD**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	780	780	780	1	1999	1999	380	2	Su
TP	ug/L	16	16	16	1	1999	1999	15	2	Su
CHLA	ug/L									

LOVEJOY BROOK, NH	NEH	ENFIELD	7	Test

Agency Station ID: **00-LUV**
ENSR Station ID: **NHDES-00-LUV**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	21	23	22	2	2000	2000	18	3	Su
CHLA	ug/L									

LOVEJOY BROOK, NH	NEH	ENFIELD	7	Test

Agency Station ID: **00A-LUV**
ENSR Station ID: **NHDES-00A-LUV**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	21	21	21	2	2000	2000	18	3	Su
CHLA	ug/L									

LOVEJOY BROOK, NH	NEH	ENFIELD	7	Test

Agency Station ID: **01-LUV**
ENSR Station ID: **NHDES-01-LUV**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	17	19	18	2	2000	2000	18	3	Su
CHLA	ug/L									

LOVELL RIVER, NH	NEH	OSSIPEE	18	Test

Agency Station ID: **01-LOV**
ENSR Station ID: **NHDES-01-LOV**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	150	150	150	2	1990	1998	150	1	Su
TP	ug/L	3	13	7	4	1990	1998	5	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MAD RIVER, NH	NEH	THORNTON	39	Test

Agency Station ID: **04-MAD**
ENSR Station ID: **NHDES-04-MAD**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	4	7	6	2	1991	1991	6	2	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MAD RIVER, NH	NEH	WATERVILLE VALLEY	14	Test

Agency Station ID: **06-MAD**
ENSR Station ID: **NHDES-06-MAD**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	3	8	6	2	1991	1991	6	2	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MAGALLOWAY RIVER, NH	NEH	MAGALLOWAY	399	Test

Agency Station ID: **02-MAG**
ENSR Station ID: **NHDES-02-MAG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	410	570	506	5	1990	1998	510	1	Su
TP	ug/L	9	24	14	5	1990	1998	12	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MASCOMA RIVER, NH	NEH	LEBANON	195	Test

Agency Station ID: **01-MSC**
ENSR Station ID: **NHDES-01-MSC**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	270	300	285	2	2000	2000	285	2	Su
TP	ug/L	8	25	18	4	1997	2000	18	4	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MASCOMA RIVER, NH	NEH	LEBANON	170	Test

Agency Station ID: **08-MSC**
ENSR Station ID: **NHDES-08-MSC**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	15	15	15	2	1997	1997	18	4	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MASCOMA RIVER, NH	NEH	LEBANON	155	Test

Agency Station ID: **12-MSC**
ENSR Station ID: **NHDES-12-MSC**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	17	17	17	2	1997	1997	18	4	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MASCOMA RIVER, NH	NEH	CANAAN	121	Test

Agency Station ID: **16-MSC**
ENSR Station ID: **NHDES-16-MSC**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	650	650	650	1	1997	1997	285	2	Su
TP	ug/L	14	26	20	4	1997	2000	18	4	Su
CHLA	ug/L									

MCQUADE BROOK, NH	NECZ	BEDFORD	9	Test

Agency Station ID: **01-MCQ**
ENSR Station ID: **NHDES-01-MCQ**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	27	44	36	3	2000	2000	38	1	Su
CHLA	ug/L									

MERRIMACK RIVER, NH	NECZ	NASHUA	4043	Test

Agency Station ID: **01'-MER**
ENSR Station ID: **NHDES-01'-MER**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	410	1460	919	10	1990	2000	631	4	Sp/Su
TP	ug/L	35	103	62	15	1990	2000	50	4	Sp/Su
CHLA	ug/L									

MERRIMACK RIVER, NH	NECZ	TYNGSBOROUGH	4063	Test

Agency Station ID: **01-MER**
ENSR Station ID: **NHDES-01-MER**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	580	1170	878	12	1993	1998	631	4	Sp/Su
TP	ug/L	41	194	91	17	1991	1998	50	4	Sp/Su
CHLA	ug/L									

MERRIMACK RIVER, NH	NECZ	NASHUA	3996	Test

Agency Station ID: **03-MER**
ENSR Station ID: **NHDES-03-MER**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	49	111	79	3	1991	1991	50	4	Sp/Su
CHLA	ug/L									

MERRIMACK RIVER, NH	NECZ	NASHUA	3462	Test

Agency Station ID: **04-MER**
ENSR Station ID: **NHDES-04-MER**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	55	110	77	3	1991	1991	50	4	Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MERRIMACK RIVER, NH	NECZ	MERRIMACK	3422	Test

Agency Station ID: **04A-MER**
ENSR Station ID: **NHDES-04A-MER**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	51	98	68	3	1991	1991	50	4	Sp/Su
CHLA	ug/L									

MERRIMACK RIVER, NH	NECZ	MERRIMACK	3405	Test

Agency Station ID: **05-MER**
ENSR Station ID: **NHDES-05-MER**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	42	84	64	3	1991	1991	50	4	Sp/Su
CHLA	ug/L									

MERRIMACK RIVER, NH	NECZ	MERRIMACK	3183	Test

Agency Station ID: **06-MER**
ENSR Station ID: **NHDES-06-MER**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	48	106	81	3	1991	1991	50	4	Sp/Su
CHLA	ug/L									

MERRIMACK RIVER, NH	NECZ	MANCHESTER	3158	Test

Agency Station ID: **07B-MER**
ENSR Station ID: **NHDES-07B-MER**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	39	88	65	3	1991	1991	50	4	Sp/Su
CHLA	ug/L									

MERRIMACK RIVER, NH	NECZ	MANCHESTER	3088	Test

Agency Station ID: **08-MER**
ENSR Station ID: **NHDES-08-MER**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	340	910	595	22	1990	2000	631	4	Sp/Su
TP	ug/L	14	131	39	29	1990	2000	50	4	Sp/Su
CHLA	ug/L									

MERRIMACK RIVER, NH	NECZ	MANCHESTER	3077	Test

Agency Station ID: **10-MER**
ENSR Station ID: **NHDES-10-MER**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	29	33	31	3	1991	1991	50	4	Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MERRIMACK RIVER, NH	NECZ	MANCHESTER	2850	Test

Agency Station ID: **12-MER**
ENSR Station ID: **NHDES-12-MER**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	33	41	36	3	1991	1991	50	4	Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MERRIMACK RIVER, NH	NECZ	MANCHESTER	2823	Test

Agency Station ID: **14'-MER**
ENSR Station ID: **NHDES-14'-MER**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	24	37	29	3	1991	1991	50	4	Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MERRIMACK RIVER, NH	NECZ	HOOKSETT	2804	Test

Agency Station ID: **16-MER**
ENSR Station ID: **NHDES-16-MER**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	270	1850	552	19	1990	2000	631	4	Sp/Su
TP	ug/L	13	35	22	27	1990	2000	50	4	Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MERRIMACK RIVER, NH	NECZ	CONCORD	2427	Test

Agency Station ID: **21-MER**
ENSR Station ID: **NHDES-21-MER**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	33	33	33	1	1991	1991	50	4	Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MERRIMACK RIVER, NH	NECZ	CONCORD	2388	Test

Agency Station ID: **23-MER**
ENSR Station ID: **NHDES-23-MER**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	18	32	25	3	1991	1991	50	4	Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MERRIMACK RIVER, NH	NEH	CONCORD	2346	Test

Agency Station ID: **27-MER**
ENSR Station ID: **NHDES-27-MER**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	210	910	452	18	1990	2000	410	1	Sp/Su
TP	ug/L	11	37	24	27	1990	2000	23	1	Sp/Su
CHLA	ug/L									

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
MERRIMACK RIVER, NH	NEH	BOSCAWEN	1574	Test

Agency Station ID: **30-MER**
ENSR Station ID: **NHDES-30-MER**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	33	42	38	2	1991	1991	23	1	Sp/Su
CHLA	ug/L									

MERRIMACK RIVER, NH	NEH	BOSCAWEN	1547	Test

Agency Station ID: **31A-MER**
ENSR Station ID: **NHDES-31A-MER**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	26	56	41	2	1991	1991	23	1	Sp/Su
CHLA	ug/L									

MERRIMACK RIVER, NH	NEH	FRANKLIN	1509	Test

Agency Station ID: **33-MER**
ENSR Station ID: **NHDES-33-MER**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	9	15	12	2	1991	1991	23	1	Sp/Su
CHLA	ug/L									

MIDDLE BRANCH PISCATAQUOG RIVER, NH	NEH	NEW BOSTON	41	Test

Agency Station ID: **01-MIP**
ENSR Station ID: **NHDES-01-MIP**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	20	20	1	1991	1991	20	3	Su
CHLA	ug/L									

MIDDLE BRANCH PISCATAQUOG RIVER, NH	NEH	FRANCESTOWN	6	Test

Agency Station ID: **02-MIP**
ENSR Station ID: **NHDES-02-MIP**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	34	34	34	1	1991	1991	20	3	Su
CHLA	ug/L									

MIDDLE BRANCH PISCATAQUOG RIVER, NH	NEH	NEW BOSTON	2	Test

Agency Station ID: **02A-MIP**
ENSR Station ID: **NHDES-02A-MIP**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	710	870	793	3	1999	1999	800	1	Su
TP	ug/L	23	33	28	2	1999	1999	20	3	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MILLERS RIVER, NH	NEH	NEW IPSWICH	1	Test

Agency Station ID: **05-MLN**
ENSR Station ID: **NHDES-05-MLN**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	41	41	41	1	1999	1999	41	1	Su
CHLA	ug/L									

MINK BROOK, NH	NEH	HANOVER	18	Test

Agency Station ID: **01-MKB**
ENSR Station ID: **NHDES-01-MKB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	470	470	470	1	1997	1997	470	1	Su
TP	ug/L	33	48	41	2	1997	1997	40	1	Su
CHLA	ug/L									

MINNEWAWA BROOK, NH	NEH	KEENE	90	Test

Agency Station ID: **04-MWB**
ENSR Station ID: **NHDES-04-MWB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	360	980	583	3	1997	2000	410	2	Su
TP	ug/L	11	16	13	5	1997	2000	12	2	Su
CHLA	ug/L									

MINNEWAWA BROOK, NH	NEH	MARLBOROUGH	5	Test

Agency Station ID: **06-MWB**
ENSR Station ID: **NHDES-06-MWB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	480	480	480	1	1997	1997	410	2	Su
TP	ug/L	17	24	21	2	1997	1997	12	2	Su
CHLA	ug/L									

MIREY BROOK, NH	NEH	WINCHESTER	385	Test

Agency Station ID: **01-MIR**
ENSR Station ID: **NHDES-01-MIR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	13	17	15	2	1997	1997	15	1	Su
CHLA	ug/L									

MOHAWK RIVER, NH	NECZ	STRAFFORD	10	Test

Agency Station ID: **01-MHB**
ENSR Station ID: **NHDES-01-MHB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	18	18	18	1	2000	2000	18	1	F
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MOHAWK RIVER, NH	NEH	COLEBROOK	56	Test

Agency Station ID: **01-MHK**
ENSR Station ID: **NHDES-01-MHK**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	1020	1310	1120	4	1997	2000	1000	2	Su
TP	ug/L	7	24	16	3	1997	2000	17	2	Su
CHLA	ug/L									

MOHAWK RIVER, NH	NEH	COLEBROOK	46	Test

Agency Station ID: **05-MHK**
ENSR Station ID: **NHDES-05-MHK**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	1000	1000	1000	1	1997	1997	1000	2	Su
TP	ug/L	13	21	17	2	1997	1997	17	2	Su
CHLA	ug/L									

MOONLIGHT BROOK, NH	NECZ	NEWMARKET	213	Test

Agency Station ID: **01-MLT**
ENSR Station ID: **NHDES-01-MLT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	114	56	9	1993	1993	42	2	Sp/Su
CHLA	ug/L									

MOONLIGHT BROOK, NH	NECZ	NEWMARKET	213	Test

Agency Station ID: **03-MLT**
ENSR Station ID: **NHDES-03-MLT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	12	89	49	9	1993	1993	42	2	Sp/Su
CHLA	ug/L									

MOOSE BROOK, NH	NEH	GORHAM	13	Test

Agency Station ID: **01-MOB**
ENSR Station ID: **NHDES-01-MOB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	260	480	370	2	1998	1998	310	2	Su
TP	ug/L	5	31	18	2	1998	1998	7	2	Su
CHLA	ug/L									

MOOSE BROOK, NH	NEH	GORHAM	5	Test

Agency Station ID: **03-MOB**
ENSR Station ID: **NHDES-03-MOB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	310	310	310	1	1990	1990	310	2	Su
TP	ug/L	7	7	7	1	1990	1990	7	2	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MOOSE RIVER, NH	NEH	GORHAM	24	Test

Agency Station ID: **02-MOO**
ENSR Station ID: **NHDES-02-MOO**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	250	700	406	5	1990	1998	350	1	Su
TP	ug/L	4	10	6	5	1990	1998	5	1	Su
CHLA	ug/L									

MOOSILAUKE BROOK, NH	NEH	WOODSTOCK	153	Test

Agency Station ID: **01-MSB**
ENSR Station ID: **NHDES-01-MSB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	3	5	4	3	1991	1991	3	1	Su
CHLA	ug/L									

N. BRANCH SUGAR RIVER, NH	NEH	CROYDON	70	Test

Agency Station ID: **02-NSR**
ENSR Station ID: **NHDES-02-NSR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	90	110	100	2	2000	2000	100	1	F
CHLA	ug/L									

NASH STREAM, NH	NEH	STARK	44	Test

Agency Station ID: **01-NAS**
ENSR Station ID: **NHDES-01-NAS**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	320	320	320	1	1997	1997	320	1	Su
TP	ug/L	6	6	6	2	1997	1997	6	1	Su
CHLA	ug/L									

NASHUA RIVER, NH	NECZ	NASHUA	533	Test

Agency Station ID: **02-NSH**
ENSR Station ID: **NHDES-02-NSH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	66	171	104	3	1991	1991	74	1	Sp/Su
CHLA	ug/L									

NASHUA RIVER, NH	NECZ	HOLLIS	508	Test

Agency Station ID: **06-NSH**
ENSR Station ID: **NHDES-06-NSH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	790	2140	1304	21	1990	2000	1080	1	Sp/Su
TP	ug/L	58	362	98	28	1990	2000	74	1	Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
NEEDLE SHOP BROOK, NH	NEH	HILL	8	Test

Agency Station ID: **03-NSB**
ENSR Station ID: **NHDES-03-NSB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	280	420	330	3	1999	1999	290	1	Su
TP	ug/L	6	10	8	3	1999	1999	9	1	Su
CHLA	ug/L									

NESENKEAG BROOK, NH	NECZ	LONDONDERRY	5	Test

Agency Station ID: **02-NEG**
ENSR Station ID: **NHDES-02-NEG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	24	35	30	2	1999	1999	30	1	Su
CHLA	ug/L									

NESENKEAG RIVER, NH	NECZ	LITCHFIELD	10	Test

Agency Station ID: **01-NES**
ENSR Station ID: **NHDES-01-NES**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	610	1080	900	3	2000	2000	1010	1	Su
TP	ug/L	17	31	24	3	2000	2000	23	1	Su
CHLA	ug/L									

NIGHTHAWK HOL BROOK, NH	NEH	GILMANTON	6	Test

Agency Station ID: **03-NHB**
ENSR Station ID: **NHDES-03-NHB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	640	640	640	1	1999	1999	640	1	Su
TP	ug/L	34	40	37	3	1999	1999	38	1	Su
CHLA	ug/L									

NIPPO BROOK, NH	NECZ	BARRINGTON	9	Test

Agency Station ID: **02-NIP**
ENSR Station ID: **NHDES-02-NIP**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	35	35	35	1	2000	2000	35	1	F
CHLA	ug/L									

NORTH BRANCH CONTOOCOOK RIVER, NH	NEH	HILLSBOROUGH	121	Test

Agency Station ID: **01-NBC**
ENSR Station ID: **NHDES-01-NBC**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	16	14	3	1991	1991	12	2	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
NORTH BRANCH CONTOOCOOK RIVER, NH	NEH	ANTRIM	52	Test

Agency Station ID: **05-NBC**
ENSR Station ID: **NHDES-05-NBC**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	460	460	460	1	1999	1999	460	1	Su
TP	ug/L	11	14	12	3	1999	1999	12	2	Su
CHLA	ug/L									

NORTH BRANCH RIVER, NH	NECZ	CANDIA	6	Test

Agency Station ID: **03-NBR**
ENSR Station ID: **NHDES-03-NBR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	130	130	130	1	1993	1993	130	1	Su
TP	ug/L	12	80	37	9	1993	1993	32	1	Sp/Su
CHLA	ug/L									

NORTH BRANCH SUGAR RIVER, NH	NEH	NEWPORT	82	Test

Agency Station ID: **01-NSR**
ENSR Station ID: **NHDES-01-NSR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	340	490	403	3	1992	1992	380	1	Su
TP	ug/L	11	17	14	4	1992	1992	14	1	Su
CHLA	ug/L									

NORTH RIVER, NH	NECZ	EPPING	38	Test

Agency Station ID: **01-NOR**
ENSR Station ID: **NHDES-01-NOR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	320	1280	800	2	1990	1990	660	2	Su
TP	ug/L	16	39	28	2	1990	1990	26	1	Sp/Su
CHLA	ug/L									

NORTH RIVER, NH	NECZ	EPPING	38	Test

Agency Station ID: **02-NOR**
ENSR Station ID: **NHDES-02-NOR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	550	1210	807	3	1998	1998	660	2	Su
TP	ug/L	16	40	28	10	1993	1998	26	1	Sp/Su
CHLA	ug/L									

NUBANUSIT BROOK, NH	NEH	PETERBOROUGH	48	Test

Agency Station ID: **01-NUB**
ENSR Station ID: **NHDES-01-NUB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	33	25	3	1991	1991	22	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
OLIVERIAN BROOK, NH	NEH	HAVERHILL	40	Test

Agency Station ID: **01-OVB**
ENSR Station ID: **NHDES-01-OVB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	250	500	383	4	1997	2000	390	1	Su
TP	ug/L	8	20	14	5	1997	2000	13	1	Su
CHLA	ug/L									

OSSIPEE RIVER, NH	NEH	FREEDOM	337	Test

Agency Station ID: **03-OSS**
ENSR Station ID: **NHDES-03-OSS**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	200	440	325	4	1990	1999	330	1	Su
TP	ug/L	3	46	11	26	1990	2000	7	1	Su
CHLA	ug/L									

OTTER BROOK, NH	NEH	LANCASTER	25	Test

Agency Station ID: **01-OTT**
ENSR Station ID: **NHDES-01-OTT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	340	630	460	4	1997	2000	400	3	Su
TP	ug/L	12	39	21	5	1997	2000	14	3	Su
CHLA	ug/L									

OTTER BROOK, NH	NEH	LANCASTER	25	Test

Agency Station ID: **02-OTT**
ENSR Station ID: **NHDES-02-OTT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	310	530	410	4	1997	2000	400	3	Su
TP	ug/L	13	22	16	5	1997	2000	14	3	Su
CHLA	ug/L									

OTTER BROOK, NH	NEH	SULLIVAN	20	Test

Agency Station ID: **04-OTB**
ENSR Station ID: **NHDES-04-OTB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	180	740	477	3	1999	1999	400	3	Su
TP	ug/L	14	20	16	3	1999	1999	14	3	Su
CHLA	ug/L									

OYSTER RIVER, NH	NECZ	DURHAM	20	Test

Agency Station ID: **05-OYS**
ENSR Station ID: **NHDES-05-OYS**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	8	8	8	1	1993	1993	39	5	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
OYSTER RIVER, NH	NECZ	DURHAM	17	Test

Agency Station ID: **06-OYS**
ENSR Station ID: **NHDES-06-OYS**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	670	1140	888	5	1990	1998	830	4	Su
TP	ug/L	36	126	58	5	1990	1998	39	5	Su
CHLA	ug/L									

OYSTER RIVER, NH	NECZ	DURHAM	14	Test

Agency Station ID: **08-OYS**
ENSR Station ID: **NHDES-08-OYS**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	750	4280	2104	5	1990	1998	830	4	Su
TP	ug/L	23	50	35	5	1990	1998	39	5	Su
CHLA	ug/L									

OYSTER RIVER, NH	NECZ	LEE	13	Test

Agency Station ID: **09-OYS**
ENSR Station ID: **NHDES-09-OYS**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	780	780	780	1	1990	1990	830	4	Su
TP	ug/L	66	66	66	1	1990	1990	39	5	Su
CHLA	ug/L									

OYSTER RIVER, NH	NECZ	LEE	13	Test

Agency Station ID: **10-OYS**
ENSR Station ID: **NHDES-10-OYS**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	700	930	807	3	1998	1998	830	4	Su
TP	ug/L	35	48	42	3	1998	1998	39	5	Su
CHLA	ug/L									

PARTRIDGE BROOK, NH	NEH	WESTMORELAND	24	Test

Agency Station ID: **03-PTB**
ENSR Station ID: **NHDES-03-PTB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	250	260	257	3	1999	1999	260	1	Su
TP	ug/L	10	14	12	3	1999	1999	13	1	Su
CHLA	ug/L									

PAWTUCKAWAY RIVER, NH	NECZ	EPPING	25	Test

Agency Station ID: **01-PAR**
ENSR Station ID: **NHDES-01-PAR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	440	460	450	3	1990	1990	450	1	Su
TP	ug/L	17	149	51	4	1990	1998	18	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
PEA PORRIDGE BROOK, NH	NECZ	NOTTINGHAM	3	Test

Agency Station ID: **01-PEA**
ENSR Station ID: **NHDES-01-PEA**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	18	27	23	6	1993	1993	24	1	Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
PEABODY RIVER, NH	NEH	GORHAM	47	Test

Agency Station ID: **01-PBD**
ENSR Station ID: **NHDES-01-PBD**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	290	330	310	2	1990	1998	310	1	Su
TP	ug/L	5	7	6	5	1990	1998	5	2	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
PEABODY RIVER, NH	NEH	GORHAM	41	Test

Agency Station ID: **02-PBD**
ENSR Station ID: **NHDES-02-PBD**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	5	5	5	1	1990	1990	5	2	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
PEMIGEWASSET RIVER, NH	NEH	FRANKLIN	1022	Test

Agency Station ID: **01'-PMI**
ENSR Station ID: **NHDES-01'-PMI**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	12	16	14	3	1991	1991	11	11	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
PEMIGEWASSET RIVER, NH	NEH	BRISTOL	750	Test

Agency Station ID: **07-PMI**
ENSR Station ID: **NHDES-07-PMI**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	37	47	40	3	1991	1991	11	11	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
PEMIGEWASSET RIVER, NH	NEH	NEW HAMPTON	747	Test

Agency Station ID: **08-PMI**
ENSR Station ID: **NHDES-08-PMI**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	6	12	9	2	1991	1991	11	11	Su
CHLA	ug/L									

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
PEMIGEWASSET RIVER, NH	NEH	NEW HAMPTON	736	Test

Agency Station ID: **09-PMI**
ENSR Station ID: **NHDES-09-PMI**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	250	350	303	3	1990	1990	310	2	Su
TP	ug/L	10	30	16	5	1990	1997	11	11	Su
CHLA	ug/L									

PEMIGEWASSET RIVER, NH	NEH	NEW HAMPTON	715	Test

Agency Station ID: **11-PMI**
ENSR Station ID: **NHDES-11-PMI**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	8	13	11	2	1991	1991	11	11	Su
CHLA	ug/L									

PEMIGEWASSET RIVER, NH	NEH	BRIDGEWATER	635	Test

Agency Station ID: **13-PMI**
ENSR Station ID: **NHDES-13-PMI**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	7	14	11	3	1991	1991	11	11	Su
CHLA	ug/L									

PEMIGEWASSET RIVER, NH	NEH	PLYMOUTH	635	Test

Agency Station ID: **15-PMI**
ENSR Station ID: **NHDES-15-PMI**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	8	10	9	2	1991	1991	11	11	Su
CHLA	ug/L									

PEMIGEWASSET RIVER, NH	NEH	CAMPTON	392	Test

Agency Station ID: **18-PMI**
ENSR Station ID: **NHDES-18-PMI**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	6	11	9	3	1991	1991	11	11	Su
CHLA	ug/L									

PEMIGEWASSET RIVER, NH	NEH	THORNTON	243	Test

Agency Station ID: **21-PMI**
ENSR Station ID: **NHDES-21-PMI**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	3	12	8	3	1991	1991	11	11	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
PEMIGEWASSET RIVER, NH	NEH	WOODSTOCK	188	Test

Agency Station ID: **23-PMI**
ENSR Station ID: **NHDES-23-PMI**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	280	630	431	12	1990	2000	310	2	Su
TP	ug/L	4	49	18	25	1990	2000	11	11	Su
CHLA	ug/L									

PEMIGEWASSET RIVER, NH	NEH	LINCOLN	35	Test

Agency Station ID: **25-PMI**
ENSR Station ID: **NHDES-25-PMI**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	3	7	5	3	1991	1991	11	11	Su
CHLA	ug/L									

PENNICHUCK BROOK, NH	NECZ	NASHUA	25	Test

Agency Station ID: **04-PEN**
ENSR Station ID: **NHDES-04-PEN**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	22	25	24	3	1991	1991	24	1	Su
CHLA	ug/L									

PEQUAWKET BROOK, NH	NEH	CONWAY	27	Test

Agency Station ID: **02-PAB**
ENSR Station ID: **NHDES-02-PAB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	12	11	2	1990	1990	11	1	Su
CHLA	ug/L									

PETERS BROOK, NH	NECZ	HOOKSETT	2	Test

Agency Station ID: **01-PET**
ENSR Station ID: **NHDES-01-PET**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	330	520	425	2	2000	2000	425	1	Su
TP	ug/L	19	22	21	2	2000	2000	20	1	Su
CHLA	ug/L									

PIKE BROOK, NH	NEH	BROOKFIELD	10	Test

Agency Station ID: **01-PKB**
ENSR Station ID: **NHDES-01-PKB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	410	500	463	3	1990	1998	480	1	Su
TP	ug/L	15	27	18	5	1990	1998	16	2	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
PIKE BROOK, NH	NEH	BROOKFIELD	9	Test

Agency Station ID: **02-PKB**
ENSR Station ID: **NHDES-02-PKB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	19	26	22	3	1999	1999	16	2	Su
CHLA	ug/L									

PINE RIVER, NH	NEH	OSSIPEE	89	Test

Agency Station ID: **02-PIN**
ENSR Station ID: **NHDES-02-PIN**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	360	560	460	2	1990	1998	460	1	Su
TP	ug/L	13	21	17	4	1990	1998	16	1	Su
CHLA	ug/L									

PISCASSIC RIVER, NH	NECZ	NEWMARKET	23	Test

Agency Station ID: **02-PIS**
ENSR Station ID: **NHDES-02-PIS**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	740	1370	958	4	1990	1998	860	1	Su
TP	ug/L	37	60	49	4	1990	1998	49	1	Su
CHLA	ug/L									

PISCATAQUOG RIVER, NH	NECZ	MANCHESTER	217	Test

Agency Station ID: **02-PQG**
ENSR Station ID: **NHDES-02-PQG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	86	382	215	3	1991	1991	22	4	Su
CHLA	ug/L									

PISCATAQUOG RIVER, NH	NECZ	GOFFSTOWN	217	Test

Agency Station ID: **03A-PQG**
ENSR Station ID: **NHDES-03A-PQG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	15	24	20	3	1991	1991	22	4	Su
CHLA	ug/L									

PISCATAQUOG RIVER, NH	NECZ	GOFFSTOWN	199	Test

Agency Station ID: **04-PQG**
ENSR Station ID: **NHDES-04-PQG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	17	22	20	3	1991	1991	22	4	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
PISCATAQUOG RIVER, NH	NECZ	GOFFSTOWN	194	Test

Agency Station ID: **06-PQG**
ENSR Station ID: **NHDES-06-PQG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	13	23	18	3	1991	1991	22	4	Su
CHLA	ug/L									

PISCATAQUOG RIVER, NH	NEH	NEW BOSTON	69	Test

Agency Station ID: **07-PQG**
ENSR Station ID: **NHDES-07-PQG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	12	12	12	1	1991	1991	5	3	Su
CHLA	ug/L									

PISCATAQUOG RIVER, NH	NEH	WEARE	65	Test

Agency Station ID: **08-PQG**
ENSR Station ID: **NHDES-08-PQG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	11	14	13	3	1991	1991	5	3	Su
CHLA	ug/L									

PISCATAQUOG RIVER, NH	NEH	DEERING	5	Test

Agency Station ID: **10-PQG**
ENSR Station ID: **NHDES-10-PQG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	5	5	5	1	1991	1991	5	3	Su
CHLA	ug/L									

POKAMOONSHINE BROOK, NH	NECZ	FARMINGTON	2	Test

Agency Station ID: **01-POK**
ENSR Station ID: **NHDES-01-POK**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	68	47	13	1991	2000	55	1	Su
CHLA	ug/L									

PRATT POND BROOK, NH	NEH	NEW IPSWICH	1	Test

Agency Station ID: **01-PPB**
ENSR Station ID: **NHDES-01-PPB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	22	22	22	1	1999	1999	22	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
PRATT POND INLET STREAM, NH	NEH	NEW IPSWICH	1	Test

Agency Station ID: **01-PPI**
ENSR Station ID: **NHDES-01-PPI**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	22	22	22	1	1999	1999	22	1	Su
CHLA	ug/L									

PRATT POND OUTLET, NH	NEH	NEW IPSWICH	1	Test

Agency Station ID: **02-PPB**
ENSR Station ID: **NHDES-02-PPB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	3	3	3	1	1999	1999	3	1	Su
CHLA	ug/L									

PURGATORY BROOK, NH	NEH	MILFORD	5	Test

Agency Station ID: **01-PRG**
ENSR Station ID: **NHDES-01-PRG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	480	570	525	2	1999	1999	525	1	Su
TP	ug/L	19	32	27	3	1999	1999	29	1	Su
CHLA	ug/L									

RAND BROOK, NH	NEH	FRANCESTOWN	10	Test

Agency Station ID: **01-RND**
ENSR Station ID: **NHDES-01-RND**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	440	1270	767	3	1999	1999	590	1	Su
TP	ug/L	18	36	27	3	1999	1999	27	1	Su
CHLA	ug/L									

RATTLESNAKE RIVER, NH	NECZ	FARMINGTON	57	Test

Agency Station ID: **01-RAT**
ENSR Station ID: **NHDES-01-RAT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	300	720	558	10	1991	2000	575	1	Su
TP	ug/L	19	48	28	13	1991	2000	26	1	Su
CHLA	ug/L									

RIDDLE BROOK, NH	NECZ	MERRIMACK	49	Test

Agency Station ID: **01-RID**
ENSR Station ID: **NHDES-01-RID**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	770	770	770	1	2000	2000	480	2	Su
TP	ug/L	32	32	32	1	2000	2000	18	2	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
RIDDLE BROOK, NH	NECZ	BEDFORD	8	Test

Agency Station ID: **08-RID**
ENSR Station ID: **NHDES-08-RID**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	440	520	480	2	2000	2000	480	2	Su
TP	ug/L	16	24	19	3	2000	2000	18	2	Su
CHLA	ug/L									

RING BROOK, NH	NEH	NEWBURY	6	Test

Agency Station ID: **02-RNG**
ENSR Station ID: **NHDES-02-RNG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	480	610	545	2	1999	1999	545	1	Su
TP	ug/L	9	33	23	3	1999	1999	27	1	Su
CHLA	ug/L									

ROARING BROOK, NH	NEH	RICHMOND	15	Test

Agency Station ID: **02-ROR**
ENSR Station ID: **NHDES-02-ROR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	170	370	267	3	1999	1999	260	1	Su
TP	ug/L	10	15	12	3	1999	1999	10	1	Su
CHLA	ug/L									

ROCKY POND BROOK, NH	NECZ	BROOKLINE	4	Test

Agency Station ID: **02-RPB**
ENSR Station ID: **NHDES-02-RPB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	390	520	455	2	2000	2000	455	1	Su
TP	ug/L	18	20	19	3	2000	2000	19	1	Su
CHLA	ug/L									

S. BRANCH SOUHEGAN RIVER, NH	NEH	NEW IPSWICH	12	Test

Agency Station ID: **03-SHS**
ENSR Station ID: **NHDES-03-SHS**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	13	13	13	1	1999	1999	13	1	Su
CHLA	ug/L									

SACO RIVER, NH	NEH	FRYEBURG	429	Test

Agency Station ID: **01-SAC**
ENSR Station ID: **NHDES-01-SAC**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	170	880	421	15	1990	2000	310	5	Su
TP	ug/L	4	53	9	28	1990	2000	9	6	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SACO RIVER, NH	NEH	CONWAY	394	Test

Agency Station ID: **02-SAC**
ENSR Station ID: **NHDES-02-SAC**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	11	12	12	2	1990	1990	9	6	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SACO RIVER, NH	NEH	CONWAY	394	Test

Agency Station ID: **04-SAC**
ENSR Station ID: **NHDES-04-SAC**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	180	1050	480	5	1990	1998	310	5	Su
TP	ug/L	6	20	11	5	1990	1998	9	6	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SACO RIVER, NH	NEH	CONWAY	236	Test

Agency Station ID: **07-SAC**
ENSR Station ID: **NHDES-07-SAC**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	200	520	303	4	1990	1998	310	5	Su
TP	ug/L	10	18	13	4	1990	1998	9	6	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SACO RIVER, NH	NEH	BARTLETT	106	Test

Agency Station ID: **10-SAC**
ENSR Station ID: **NHDES-10-SAC**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	270	310	283	3	1998	1998	310	5	Su
TP	ug/L	4	7	6	5	1990	1998	9	6	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SACO RIVER, NH	NEH	HARTS LOCATION	13	Test

Agency Station ID: **15-SAC**
ENSR Station ID: **NHDES-15-SAC**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	310	310	310	1	1990	1990	310	5	Su
TP	ug/L	1	6	4	2	1990	1990	9	6	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SALMON BROOK, NH	NECZ	NASHUA	31	Test

Agency Station ID: **01-SMN**
ENSR Station ID: **NHDES-01-SMN**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	41	55	49	3	1991	1991	38	2	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SALMON BROOK, NH	NECZ	NASHUA	26	Test

Agency Station ID: **03-SMN**
ENSR Station ID: **NHDES-03-SMN**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	30	160	76	3	1991	1991	38	2	Su
CHLA	ug/L									

SALMON FALLS RIVER, NH	NECZ	ROLLINSFORD	236	Test

Agency Station ID: **05-SFR**
ENSR Station ID: **NHDES-05-SFR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	620	2010	1136	5	1990	1998	725	8	Su
TP	ug/L	25	132	67	5	1990	1998	18	13	Su
CHLA	ug/L									

SALMON FALLS RIVER, NH	NECZ	SOUTH BERWICK	232	Test

Agency Station ID: **06-SFR**
ENSR Station ID: **NHDES-06-SFR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	530	2340	1220	6	1990	1999	725	8	Su
TP	ug/L	25	179	77	6	1990	1999	18	13	Su
CHLA	ug/L									

SALMON FALLS RIVER, NH	NECZ	SOMERSWORTH	231	Test

Agency Station ID: **08-SFR**
ENSR Station ID: **NHDES-08-SFR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	560	1790	1145	6	1990	1999	725	8	Su
TP	ug/L	16	67	47	6	1990	1999	18	13	Su
CHLA	ug/L									

SALMON FALLS RIVER, NH	NECZ	SOMERSWORTH	221	Test

Agency Station ID: **12-SFR**
ENSR Station ID: **NHDES-12-SFR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	400	1240	718	5	1990	1998	725	8	Su
TP	ug/L	6	23	17	6	1990	1999	18	13	Su
CHLA	ug/L									

SALMON FALLS RIVER, NH	NECZ	SOMERSWORTH	217	Test

Agency Station ID: **13-SFR**
ENSR Station ID: **NHDES-13-SFR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	7	7	7	1	1999	1999	18	13	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SALMON FALLS RIVER, NH	NECZ	ROCHESTER	154	Test

Agency Station ID: **15-SFR**
ENSR Station ID: **NHDES-15-SFR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	520	1040	847	3	1998	1998	725	8	Su
TP	ug/L	14	23	18	3	1998	1998	18	13	Su
CHLA	ug/L									

SALMON FALLS RIVER, NH	NECZ	ROCHESTER	128	Test

Agency Station ID: **17-SFR**
ENSR Station ID: **NHDES-17-SFR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	380	1180	644	5	1990	1998	725	8	Su
TP	ug/L	10	20	14	6	1990	1999	18	13	Su
CHLA	ug/L									

SALMON FALLS RIVER, NH	NECZ	ROCHESTER	122	Test

Agency Station ID: **18-SFR**
ENSR Station ID: **NHDES-18-SFR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	370	1260	688	4	1998	1999	725	8	Su
TP	ug/L	11	14	13	4	1998	1999	18	13	Su
CHLA	ug/L									

SALMON FALLS RIVER, NH	NECZ	ROCHESTER	122	Test

Agency Station ID: **18A-SFR**
ENSR Station ID: **NHDES-18A-SFR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	17	17	17	1	1991	1991	18	13	Su
CHLA	ug/L									

SALMON FALLS RIVER, NH	NECZ	ROCHESTER	120	Test

Agency Station ID: **18B-SFR**
ENSR Station ID: **NHDES-18B-SFR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	35	35	35	1	1991	1991	18	13	Su
CHLA	ug/L									

SALMON FALLS RIVER, NH	NECZ	ROCHESTER	119	Test

Agency Station ID: **18C-SFR**
ENSR Station ID: **NHDES-18C-SFR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	54	54	54	1	1991	1991	18	13	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SALMON FALLS RIVER, NH	NECZ	ROCHESTER	119	Test

Agency Station ID: **19-SFR**
ENSR Station ID: **NHDES-19-SFR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	350	410	380	2	1990	1998	725	8	Su
TP	ug/L	8	15	11	7	1990	1999	18	13	Su
CHLA	ug/L									

SALMON FALLS RIVER, NH	NECZ	MILTON	108	Test

Agency Station ID: **25-SFR**
ENSR Station ID: **NHDES-25-SFR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	7	16	11	5	1990	1999	18	13	Su
CHLA	ug/L									

SALMON FALLS RIVER, NH	NEH	ACTON	22	Test

Agency Station ID: **31-SFR**
ENSR Station ID: **NHDES-31-SFR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	7	7	7	2	1990	1990	7	1	Su
CHLA	ug/L									

SANBORN BROOK, NH	NEH	LOUDON	11	Test

Agency Station ID: **04-SAN**
ENSR Station ID: **NHDES-04-SAN**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	280	500	390	2	2000	2000	390	1	Su
TP	ug/L	13	27	22	3	2000	2000	25	1	Su
CHLA	ug/L									

SCOTT BROOK, NH	NEH	FITZWILLIAM	11	Test

Agency Station ID: **01-SCT**
ENSR Station ID: **NHDES-01-SCT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	570	1970	1107	3	1999	1999	780	1	Su
TP	ug/L	34	45	38	3	1999	1999	34	1	Su
CHLA	ug/L									

SECOND BROOK, NH	NECZ	HOLLIS	10	Test

Agency Station ID: **02-SEC**
ENSR Station ID: **NHDES-02-SEC**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	13	19	16	3	2000	2000	16	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SHAKER BROOK, NH	NEH	MARLBOROUGH	11	Test

Agency Station ID: **02-SHK**
ENSR Station ID: **NHDES-02-SHK**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	530	1430	877	3	1999	1999	635	2	Su
TP	ug/L	22	28	25	3	1999	1999	25	2	Su
CHLA	ug/L									

SHAKER BROOK, NH	NEH	LOUDON	0	Test

Agency Station ID: **02-SKR**
ENSR Station ID: **NHDES-02-SKR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	530	740	635	2	2000	2000	635	2	Su
TP	ug/L	15	41	30	3	2000	2000	25	2	Su
CHLA	ug/L									

SHEDD BROOK, NH	NEH	WASHINGTON	3	Test

Agency Station ID: **05-SHD**
ENSR Station ID: **NHDES-05-SHD**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	370	480	440	3	1999	1999	470	1	Su
TP	ug/L	11	23	15	3	1999	1999	12	1	Su
CHLA	ug/L									

SHIELDS BROOK, NH	NECZ	DERRY	12	Test

Agency Station ID: **02-SHB**
ENSR Station ID: **NHDES-02-SHB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	840	1060	943	3	2000	2000	930	1	Su
TP	ug/L	31	37	35	3	2000	2000	37	1	Su
CHLA	ug/L									

SIMMS STREAM, NH	NEH	COLUMBIA	34	Test

Agency Station ID: **01-SMS**
ENSR Station ID: **NHDES-01-SMS**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	830	830	830	1	1997	1997	830	1	Su
TP	ug/L	11	38	25	2	1997	1997	24	1	Su
CHLA	ug/L									

SKINNER BROOK, NH	NEH	GRANTHAM	7	Test

Agency Station ID: **05-SKN**
ENSR Station ID: **NHDES-05-SKN**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	280	430	340	3	1999	1999	310	1	Su
TP	ug/L	3	7	5	3	1999	1999	5	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SMITH BROOK, NH	NEH	GRAFTON	10	Test

Agency Station ID: **01-SMB**
ENSR Station ID: **NHDES-01-SMB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	400	400	400	1	1999	1999	400	1	Su
TP	ug/L	12	12	12	3	1999	1999	12	1	Su
CHLA	ug/L									

SMITH RIVER, NH	NEH	BRISTOL	88	Test

Agency Station ID: **01-SMT**
ENSR Station ID: **NHDES-01-SMT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	8	18	12	3	1991	1991	9	2	Su
CHLA	ug/L									

SMITH RIVER, NH	NEH	HILL	75	Test

Agency Station ID: **02B-SMT**
ENSR Station ID: **NHDES-02B-SMT**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	310	380	345	2	1999	1999	345	1	Su
TP	ug/L	8	12	10	3	1999	1999	9	2	Su
CHLA	ug/L									

SOUCOOK RIVER, NH	NECZ	PEMBROKE	91	Test

Agency Station ID: **01-SCK**
ENSR Station ID: **NHDES-01-SCK**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	19	29	24	3	1991	1991	9	7	Su
CHLA	ug/L									

SOUCOOK RIVER, NH	NECZ	PEMBROKE	88	Test

Agency Station ID: **02-SCK**
ENSR Station ID: **NHDES-02-SCK**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	310	310	310	1	1999	1999	290	6	Su
TP	ug/L	8	8	8	1	1999	1999	9	7	Su
CHLA	ug/L									

SOUCOOK RIVER, NH	NECZ	CONCORD	79	Test

Agency Station ID: **03-SCK**
ENSR Station ID: **NHDES-03-SCK**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	350	350	350	1	1999	1999	290	6	Su
TP	ug/L	9	9	9	1	1999	1999	9	7	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SOUCOOK RIVER, NH	NECZ	LOUDON	74	Test

Agency Station ID: **04-SCK**
ENSR Station ID: **NHDES-04-SCK**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	420	420	420	1	1999	1999	290	6	Su
TP	ug/L	11	11	11	1	1999	1999	9	7	Su
CHLA	ug/L									

SOUCOOK RIVER, NH	NECZ	LOUDON	60	Test

Agency Station ID: **05-SCK**
ENSR Station ID: **NHDES-05-SCK**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	270	270	270	1	1999	1999	290	6	Su
TP	ug/L	8	8	8	1	1999	1999	9	7	Su
CHLA	ug/L									

SOUCOOK RIVER, NH	NECZ	LOUDON	57	Test

Agency Station ID: **06-SCK**
ENSR Station ID: **NHDES-06-SCK**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	270	270	270	1	1999	1999	290	6	Su
TP	ug/L	11	11	11	1	1999	1999	9	7	Su
CHLA	ug/L									

SOUCOOK RIVER, NH	NECZ	LOUDON	52	Test

Agency Station ID: **07-SCK**
ENSR Station ID: **NHDES-07-SCK**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	270	270	270	1	1999	1999	290	6	Su
TP	ug/L	9	9	9	1	1999	1999	9	7	Su
CHLA	ug/L									

SOUCOOK RIVER, NH	NEH	LOUDON	36	Test

Agency Station ID: **08-SCK**
ENSR Station ID: **NHDES-08-SCK**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	550	550	550	1	1999	1999	225	2	Su
TP	ug/L	7	7	7	1	1999	1999	7	3	Su
CHLA	ug/L									

SOUCOOK RIVER, NH	NEH	LOUDON	29	Test

Agency Station ID: **09-SCK**
ENSR Station ID: **NHDES-09-SCK**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	160	290	225	2	1999	1999	225	2	Su
TP	ug/L	6	11	8	3	1999	1999	7	3	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SOUCOOK RIVER, NH	NEH	LOUDON	10	Test

Agency Station ID: **11-SCK**
ENSR Station ID: **NHDES-11-SCK**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	7	7	7	1	1999	1999	7	3	Su
CHLA	ug/L									

SOUHEGAN RIVER, NH	NECZ	MERRIMACK	170	Test

Agency Station ID: **02-SHG**
ENSR Station ID: **NHDES-02-SHG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	530	1000	739	21	1990	2000	778	5	F/Sp/Su
TP	ug/L	32	122	51	29	1990	2000	79	5	F/Sp/Su
CHLA	ug/L									

SOUHEGAN RIVER, NH	NECZ	MERRIMACK	170	Test

Agency Station ID: **05-SHG**
ENSR Station ID: **NHDES-05-SHG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	530	1000	718	12	1990	1990	778	5	F/Sp/Su
TP	ug/L	31	87	57	13	1990	1990	79	5	F/Sp/Su
CHLA	ug/L									

SOUHEGAN RIVER, NH	NECZ	MERRIMACK	160	Test

Agency Station ID: **06-SHG**
ENSR Station ID: **NHDES-06-SHG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	440	4060	1238	11	1990	1990	778	5	F/Sp/Su
TP	ug/L	35	130	80	12	1990	1990	79	5	F/Sp/Su
CHLA	ug/L									

SOUHEGAN RIVER, NH	NECZ	AMHERST	158	Test

Agency Station ID: **07-SHG**
ENSR Station ID: **NHDES-07-SHG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	650	2580	1342	11	1990	1990	778	5	F/Sp/Su
TP	ug/L	25	162	98	19	1990	1991	79	5	F/Sp/Su
CHLA	ug/L									

SOUHEGAN RIVER, NH	NECZ	AMHERST	142	Test

Agency Station ID: **08'-SHG**
ENSR Station ID: **NHDES-08'-SHG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	710	1050	906	10	1990	1990	778	5	F/Sp/Su
TP	ug/L	34	194	119	11	1990	1990	79	5	F/Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SOUHEGAN RIVER, NH	NECZ	AMHERST	142	Test

Agency Station ID: **08-SHG**
ENSR Station ID: **NHDES-08-SHG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	560	1150	819	12	1990	1990	778	5	F/Sp/Su
TP	ug/L	24	181	96	13	1990	1990	79	5	F/Sp/Su
CHLA	ug/L									

SOUHEGAN RIVER, NH	NEH	MILFORD	139	Test

Agency Station ID: **09A-SHG**
ENSR Station ID: **NHDES-09A-SHG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	380	760	540	12	1990	1990	642	1	F/Su
TP	ug/L	19	26	22	13	1990	1990	25	1	F/Su
CHLA	ug/L									

SOUHEGAN RIVER, NH	NEH	MILFORD	139	Test

Agency Station ID: **10-SHG**
ENSR Station ID: **NHDES-10-SHG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	22	30	26	3	1991	1991	25	1	F/Su
CHLA	ug/L									

SOUHEGAN RIVER, NH	NEH	MILFORD	102	Test

Agency Station ID: **12-SHG**
ENSR Station ID: **NHDES-12-SHG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	22	34	26	3	1991	1991	25	1	F/Su
CHLA	ug/L									

SOUHEGAN RIVER, NH	NEH	WILTON	33	Test

Agency Station ID: **14-SHG**
ENSR Station ID: **NHDES-14-SHG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	17	40	28	3	1991	1991	25	1	F/Su
CHLA	ug/L									

SOUHEGAN RIVER, NH	NEH	WILTON	66	Test

Agency Station ID: **16-SHG**
ENSR Station ID: **NHDES-16-SHG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	400	710	577	3	1999	1999	642	1	F/Su
TP	ug/L	39	126	70	3	1999	1999	25	1	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SOUHEGAN RIVER, NH	NEH	WILTON	39	Test

Agency Station ID: **18-SHG**
ENSR Station ID: **NHDES-18-SHG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	810	810	810	1	2000	2000	642	1	F/Su
TP	ug/L	45	65	58	4	1991	2000	25	1	F/Su
CHLA	ug/L									

SOUHEGAN RIVER, NH	NEH	GREENVILLE	39	Test

Agency Station ID: **18B-SHG**
ENSR Station ID: **NHDES-18B-SHG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	900	900	900	1	2000	2000	642	1	F/Su
TP	ug/L	59	59	59	1	2000	2000	25	1	F/Su
CHLA	ug/L									

SOUHEGAN RIVER, NH	NEH	GREENVILLE	32	Test

Agency Station ID: **19-SHG**
ENSR Station ID: **NHDES-19-SHG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	930	930	930	1	2000	2000	642	1	F/Su
TP	ug/L	68	68	68	1	2000	2000	25	1	F/Su
CHLA	ug/L									

SOUHEGAN RIVER, NH	NEH	GREENVILLE	32	Test

Agency Station ID: **19A-SHG**
ENSR Station ID: **NHDES-19A-SHG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	550	550	550	1	2000	2000	642	1	F/Su
TP	ug/L	17	17	17	1	2000	2000	25	1	F/Su
CHLA	ug/L									

SOUHEGAN RIVER, NH	NEH	GREENVILLE	32	Test

Agency Station ID: **21-SHG**
ENSR Station ID: **NHDES-21-SHG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	16	20	18	2	1991	1991	25	1	F/Su
CHLA	ug/L									

SOUHEGAN RIVER, NH	NEH	NEW IPSWICH	23	Test

Agency Station ID: **22-SHG**
ENSR Station ID: **NHDES-22-SHG**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	8	8	8	1	1999	1999	25	1	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SOUTH BRANCH ASHUELOT RIVER, NH	NEH	TROY	21	Test

Agency Station ID: **08A-SBA**
ENSR Station ID: **NHDES-08A-SBA**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	560	560	560	1	1997	1997	560	1	Su
TP	ug/L	26	34	30	2	1997	1997	30	2	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SOUTH BRANCH ASHUELOT RIVER, NH	NEH	TROY	8	Test

Agency Station ID: **10-SBA**
ENSR Station ID: **NHDES-10-SBA**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	24	41	33	2	1997	1997	30	2	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SOUTH BRANCH PISCATAQUAG RIVER, NH	NEH	NEW BOSTON	104	Test

Agency Station ID: **01-SOP**
ENSR Station ID: **NHDES-01-SOP**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	13	13	13	1	1991	1991	13	3	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SOUTH BRANCH PISCATAQUAG RIVER, NH	NEH	FRANCESTOWN	3	Test

Agency Station ID: **02-SOP**
ENSR Station ID: **NHDES-02-SOP**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	19	19	19	1	1991	1991	13	3	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SOUTH BRANCH PISCATAQUAG RIVER, NH	NEH	NEW BOSTON	42	Test

Agency Station ID: **05-SOP**
ENSR Station ID: **NHDES-05-SOP**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	390	610	500	2	1999	1999	500	1	Su
TP	ug/L	18	27	22	4	1999	1999	13	3	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SOUTH BRANCH SUGAR RIVER, NH	NEH	NEWPORT	46	Test

Agency Station ID: **01-SSR**
ENSR Station ID: **NHDES-01-SSR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	440	550	497	3	1992	1992	500	1	Su
TP	ug/L	7	12	10	4	1992	1992	10	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SPICKET RIVER, NH	NECZ	SALEM	51	Test

Agency Station ID: **01'-SPK**
ENSR Station ID: **NHDES-01'-SPK**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	19	56	35	3	1991	1991	31	2	Su
CHLA	ug/L									

SPICKET RIVER, NH	NECZ	SALEM	9	Test

Agency Station ID: **04-SPK**
ENSR Station ID: **NHDES-04-SPK**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	39	116	71	3	1991	1991	31	2	Su
CHLA	ug/L									

SQUAM RIVER, NH	NEH	ASHLAND	65	Test

Agency Station ID: **01-SQM**
ENSR Station ID: **NHDES-01-SQM**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	14	14	14	1	1997	1997	10	2	Su
CHLA	ug/L									

SQUAM RIVER, NH	NEH	ASHLAND	6	Test

Agency Station ID: **03-SQM**
ENSR Station ID: **NHDES-03-SQM**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	6	19	11	4	1991	1997	10	2	Su
CHLA	ug/L									

STARK BROOK, NH	NEH	NEW IPSWICH	1	Test

Agency Station ID: **01-STK**
ENSR Station ID: **NHDES-01-STK**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	21	21	21	1	1999	1999	21	2	Su
CHLA	ug/L									

STARK BROOK, NH	NEH	NEW IPSWICH	1	Test

Agency Station ID: **02-STK**
ENSR Station ID: **NHDES-02-STK**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	59	59	59	1	1999	1999	21	2	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
STEARNS BROOK, NH	NEH	MILAN	37	Test

Agency Station ID: **01-STB**
ENSR Station ID: **NHDES-01-STB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	440	550	495	2	1998	1998	495	1	Su
TP	ug/L	11	14	12	3	1998	1998	11	1	Su
CHLA	ug/L									

STIRRUP IRON BROOK, NH	NEH	BOSCAWEN	4	Test

Agency Station ID: **01-SIB**
ENSR Station ID: **NHDES-01-SIB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	300	350	330	3	1999	1999	340	1	Su
TP	ug/L	7	11	9	3	1999	1999	8	1	Su
CHLA	ug/L									

STRATFORD BOG BROOK, NH	NEH	STRATFORD	25	Test

Agency Station ID: **01-SBB**
ENSR Station ID: **NHDES-01-SBB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	370	370	370	1	1997	1997	370	1	Su
TP	ug/L	12	14	13	2	1997	1997	13	1	Su
CHLA	ug/L									

SUGAR RIVER, NH	NEH	CLAREMONT	273	Impacted

Agency Station ID: **01-SGR**
ENSR Station ID: **NHDES-01-SGR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	440	1180	839	7	1992	2000	600	17	Su
TP	ug/L	26	222	81	12	1992	2000	78	8	F/Su
CHLA	ug/L									

SUGAR RIVER, NH	NEH	CLAREMONT	271	Impacted

Agency Station ID: **01A-SGR**
ENSR Station ID: **NHDES-01A-SGR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	510	600	543	3	1992	1992	600	17	Su
TP	ug/L	31	43	38	3	1992	1992	78	8	F/Su
CHLA	ug/L									

SUGAR RIVER, NH	NEH	CLAREMONT	271	Impacted

Agency Station ID: **02-SGR**
ENSR Station ID: **NHDES-02-SGR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	460	550	500	3	1992	1992	600	17	Su
TP	ug/L	26	42	35	4	1992	1992	78	8	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SUGAR RIVER, NH	NEH	GOSHEN	30	Impacted

Agency Station ID: **04-SSR**
ENSR Station ID: **NHDES-04-SSR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	47	140	92	3	2000	2000	78	8	F/Su
CHLA	ug/L									

SUGAR RIVER, NH	NEH	CLAREMONT	253	Impacted

Agency Station ID: **05-SGR**
ENSR Station ID: **NHDES-05-SGR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	52	130	91	2	2000	2000	78	8	F/Su
CHLA	ug/L									

SUGAR RIVER, NH	NEH	CLAREMONT	248	Impacted

Agency Station ID: **06-SGR**
ENSR Station ID: **NHDES-06-SGR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	510	850	640	4	1992	1997	600	17	Su
TP	ug/L	20	39	31	6	1992	1997	78	8	F/Su
CHLA	ug/L									

SUGAR RIVER, NH	NEH	NEWPORT	219	Impacted

Agency Station ID: **07-SGR**
ENSR Station ID: **NHDES-07-SGR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	340	610	515	6	1992	2000	600	17	Su
TP	ug/L	19	100	54	9	1992	2000	78	8	F/Su
CHLA	ug/L									

SUGAR RIVER, NH	NEH	NEWPORT	208	Impacted

Agency Station ID: **09-SGR**
ENSR Station ID: **NHDES-09-SGR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	560	900	730	4	1992	1997	600	17	Su
TP	ug/L	40	63	52	6	1992	1997	78	8	F/Su
CHLA	ug/L									

SUGAR RIVER, NH	NEH	NEWPORT	125	Impacted

Agency Station ID: **09A-SGR**
ENSR Station ID: **NHDES-09A-SGR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	790	920	870	3	1992	1992	600	17	Su
TP	ug/L	88	108	100	3	1992	1992	78	8	F/Su
CHLA	ug/L									

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
SUGAR RIVER, NH	NEH	NEWPORT	123	Impacted

Agency Station ID: **10-SGR**
ENSR Station ID: **NHDES-10-SGR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	370	490	417	3	2000	2000	600	17	Su
TP	ug/L	22	140	57	5	2000	2000	78	8	F/Su
CHLA	ug/L									

SUGAR RIVER, NH	NEH	NEWPORT	123	Impacted

Agency Station ID: **11-SGR**
ENSR Station ID: **NHDES-11-SGR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	450	620	520	3	1992	1992	600	17	Su
TP	ug/L	34	51	41	4	1992	1992	78	8	F/Su
CHLA	ug/L									

SUGAR RIVER, NH	NEH	NEWPORT	76	Impacted

Agency Station ID: **12-SGR**
ENSR Station ID: **NHDES-12-SGR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	930	1000	965	2	1997	1997	600	17	Su
TP	ug/L	43	120	73	6	1997	2000	78	8	F/Su
CHLA	ug/L									

SUGAR RIVER, NH	NEH	NEWPORT	76	Impacted

Agency Station ID: **13-SGR**
ENSR Station ID: **NHDES-13-SGR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	254	750	488	3	1992	1992	600	17	Su
TP	ug/L	58	81	67	4	1992	1992	78	8	F/Su
CHLA	ug/L									

SUGAR RIVER, NH	NEH	NEWPORT	75	Impacted

Agency Station ID: **14-SGR**
ENSR Station ID: **NHDES-14-SGR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	880	1020	963	3	1992	1992	600	17	Su
TP	ug/L	68	119	96	4	1992	1992	78	8	F/Su
CHLA	ug/L									

SUGAR RIVER, NH	NEH	NEWPORT	65	Impacted

Agency Station ID: **15-SGR**
ENSR Station ID: **NHDES-15-SGR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	680	920	793	3	1992	1992	600	17	Su
TP	ug/L	39	120	85	4	1992	1992	78	8	F/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SUGAR RIVER, NH	NEH	SUNAPEE	55	Impacted

Agency Station ID: **16-SGR**
ENSR Station ID: **NHDES-16-SGR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	700	1390	1107	3	1992	1992	600	17	Su
TP	ug/L	50	188	107	5	1992	2000	78	8	F/Su
CHLA	ug/L									

SUGAR RIVER, NH	NEH	SUNAPEE	55	Impacted

Agency Station ID: **17-SGR**
ENSR Station ID: **NHDES-17-SGR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	1210	1660	1397	3	1992	1992	600	17	Su
TP	ug/L	67	232	142	4	1992	1992	78	8	F/Su
CHLA	ug/L									

SUGAR RIVER, NH	NEH	SUNAPEE	52	Impacted

Agency Station ID: **17A-SGR**
ENSR Station ID: **NHDES-17A-SGR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	160	350	255	2	1992	1992	600	17	Su
TP	ug/L	8	15	10	4	1992	1992	78	8	F/Su
CHLA	ug/L									

SUGAR RIVER, NH	NEH	SUNAPEE	52	Impacted

Agency Station ID: **18-SGR**
ENSR Station ID: **NHDES-18-SGR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	380	380	380	1	1997	1997	600	17	Su
TP	ug/L	7	33	15	4	1997	2000	78	8	F/Su
CHLA	ug/L									

SUGAR RIVER, NH	NEH	SUNAPEE	48	Impacted

Agency Station ID: **19-SGR**
ENSR Station ID: **NHDES-19-SGR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	80	180	127	3	2000	2000	78	8	F/Su
CHLA	ug/L									

SUNCOOK RIVER, NH	NECZ	ALLENSTOWN	256	Test

Agency Station ID: **01'-SNK**
ENSR Station ID: **NHDES-01'-SNK**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	29	25	3	1991	1991	25	5	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SUNCOOK RIVER, NH	NECZ	EPSOM	211	Test

Agency Station ID: **05-SNK**
ENSR Station ID: **NHDES-05-SNK**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	17	24	20	3	1991	1991	25	5	Su
CHLA	ug/L									

SUNCOOK RIVER, NH	NECZ	PITTSFIELD	138	Test

Agency Station ID: **08-SNK**
ENSR Station ID: **NHDES-08-SNK**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	390	440	415	2	1999	1999	415	2	Su
TP	ug/L	31	94	54	5	1991	1999	25	5	Su
CHLA	ug/L									

SUNCOOK RIVER, NH	NECZ	PITTSFIELD	138	Test

Agency Station ID: **08A-SNK**
ENSR Station ID: **NHDES-08A-SNK**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	510	510	510	1	1999	1999	415	2	Su
TP	ug/L	40	40	40	1	1999	1999	25	5	Su
CHLA	ug/L									

SUNCOOK RIVER, NH	NECZ	PITTSFIELD	129	Test

Agency Station ID: **09-SNK**
ENSR Station ID: **NHDES-09-SNK**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	23	24	23	3	1991	1991	25	5	Su
CHLA	ug/L									

SUNCOOK RIVER, NH	NEH	BARNSTEAD	55	Test

Agency Station ID: **14A-SNK**
ENSR Station ID: **NHDES-14A-SNK**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	8	14	11	2	1997	1997	11	3	Su
CHLA	ug/L									

SUNCOOK RIVER, NH	NEH	BARNSTEAD	55	Test

Agency Station ID: **14B-SNK**
ENSR Station ID: **NHDES-14B-SNK**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	11	17	14	2	1997	1997	11	3	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
SUNCOOK RIVER, NH	NEH	GILMANTON	28	Test

Agency Station ID: **16A-SNK**
ENSR Station ID: **NHDES-16A-SNK**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	550	550	550	1	2000	2000	550	1	Su
TP	ug/L	10	13	12	3	2000	2000	11	3	Su
CHLA	ug/L									

SWIFT RIVER, NH	NEH	TAMWORTH	31	Test

Agency Station ID: **01-SIF**
ENSR Station ID: **NHDES-01-SIF**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	160	260	200	3	1990	1998	445	4	Su
TP	ug/L	4	65	25	3	1990	1998	7	4	Su
CHLA	ug/L									

SWIFT RIVER, NH	NEH	CONWAY	114	Test

Agency Station ID: **01-SWF**
ENSR Station ID: **NHDES-01-SWF**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	280	550	386	5	1990	1998	445	4	Su
TP	ug/L	5	17	9	5	1990	1998	7	4	Su
CHLA	ug/L									

SWIFT RIVER, NH	NEH	ALBANY	73	Test

Agency Station ID: **04-SWF**
ENSR Station ID: **NHDES-04-SWF**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	350	600	493	3	1998	1998	445	4	Su
TP	ug/L	6	22	11	5	1990	1998	7	4	Su
CHLA	ug/L									

SWIFT RIVER, NH	NEH	ALBANY	52	Test

Agency Station ID: **05-SWF**
ENSR Station ID: **NHDES-05-SWF**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	300	1350	870	3	1998	1998	445	4	Su
TP	ug/L	7	13	9	5	1990	1998	7	4	Su
CHLA	ug/L									

TANNERY BROOK, NH	NEH	BOSCAWEN	8	Test

Agency Station ID: **01-TAN**
ENSR Station ID: **NHDES-01-TAN**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	460	740	617	3	2000	2000	650	1	Su
TP	ug/L	24	51	34	3	2000	2000	28	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
TIOGA RIVER, NH	NEH	BELMONT	5	Test

Agency Station ID: **06-TGR**
ENSR Station ID: **NHDES-06-TGR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	310	550	413	3	1999	1999	380	1	Su
TP	ug/L	11	18	15	3	1999	1999	15	1	Su
CHLA	ug/L									

TOWN FARM BROOK, NH	NEH	PETERBOROUGH	5	Test

Agency Station ID: **01-TWN**
ENSR Station ID: **NHDES-01-TWN**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	37	39	38	2	1991	1991	38	1	Su
CHLA	ug/L									

TRASK BROOK, NH	NEH	SUNAPEE	8	Test

Agency Station ID: **01-TRA**
ENSR Station ID: **NHDES-01-TRA**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	340	480	413	3	1992	1992	420	1	Su
TP	ug/L	14	16	15	4	1992	1992	15	1	Su
CHLA	ug/L									

TURKEY BROOK, NH	NECZ	BOW	37	Test

Agency Station ID: **01-TKY**
ENSR Station ID: **NHDES-01-TKY**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	520	730	643	3	2000	2000	680	1	Su
TP	ug/L	22	82	45	3	2000	2000	31	1	Su
CHLA	ug/L									

UNNAMED BROOK, NH	NECZ	AMHERST	4	Test

Agency Station ID: **01-UNBK**
ENSR Station ID: **NHDES-01-UNBK**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	52	118	81	10	1990	1990	88	1	F/Su
CHLA	ug/L									

UPPER AMMONOOSUC RIVER, NH	NEH	NORTHUMBERLAND	252	Test

Agency Station ID: **01'-UAM**
ENSR Station ID: **NHDES-01'-UAM**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	330	460	385	4	1997	2000	210	3	Su
TP	ug/L	10	15	13	5	1997	2000	12	3	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
UPPER AMMONOOSUC RIVER, NH	NEH	STARK	235	Test

Agency Station ID: **05-UAM**
ENSR Station ID: **NHDES-05-UAM**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	330	940	520	4	1997	2000	210	3	Su
TP	ug/L	7	292	68	5	1997	2000	12	3	Su
CHLA	ug/L									

UPPER AMMONOOSUC RIVER, NH	NEH	BERLIN	53	Test

Agency Station ID: **15-UAM**
ENSR Station ID: **NHDES-15-UAM**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	210	210	210	1	1993	1993	210	3	Su
TP	ug/L	16	16	16	1	1993	1993	12	3	Su
CHLA	ug/L									

WARNER RIVER, NH	NEH	WARNER	122	Test

Agency Station ID: **04-WNR**
ENSR Station ID: **NHDES-04-WNR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	11	36	20	4	1991	1997	12	3	Su
CHLA	ug/L									

WARNER RIVER, NH	NEH	WARNER	118	Test

Agency Station ID: **05-WNR**
ENSR Station ID: **NHDES-05-WNR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	460	460	460	1	1997	1997	460	1	Su
TP	ug/L	9	32	16	4	1991	1997	12	3	Su
CHLA	ug/L									

WARNER RIVER, NH	NEH	BRADFORD	45	Test

Agency Station ID: **12-WNR**
ENSR Station ID: **NHDES-12-WNR**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	11	14	13	3	1991	1991	12	3	Su
CHLA	ug/L									

WEST BRANCH SOUHEGAN RIVER, NH	NEH	NEW IPSWICH	8	Test

Agency Station ID: **01-SHW**
ENSR Station ID: **NHDES-01-SHW**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	9	9	9	1	1999	1999	8	4	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
WEST BRANCH SOUHEGAN RIVER, NH	NEH	NEW IPSWICH	7	Test

Agency Station ID: **02-SHW**
ENSR Station ID: **NHDES-02-SHW**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	9	9	9	1	1999	1999	8	4	Su
CHLA	ug/L									

WEST BRANCH SOUHEGAN RIVER, NH	NEH	NEW IPSWICH	7	Test

Agency Station ID: **03-SHW**
ENSR Station ID: **NHDES-03-SHW**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	6	6	6	1	1999	1999	8	4	Su
CHLA	ug/L									

WEST BRANCH SOUHEGAN RIVER, NH	NEH	NEW IPSWICH	7	Test

Agency Station ID: **04-SHW**
ENSR Station ID: **NHDES-04-SHW**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	6	6	6	1	1999	1999	8	4	Su
CHLA	ug/L									

WEST BRANCH UPPER AMMONOOSUC RIVER, NH	NEH	BERLIN	16	Test

Agency Station ID: **01-WBA**
ENSR Station ID: **NHDES-01-WBA**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	26	26	26	1	1993	1993	26	1	Su
CHLA	ug/L									

WHEELOCK BROOK, NH	NEH	SWANZEY	6	Test

Agency Station ID: **04-WEB**
ENSR Station ID: **NHDES-04-WEB**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	500	820	627	3	1999	1999	560	1	Su
TP	ug/L	17	29	23	3	1999	1999	24	1	Su
CHLA	ug/L									

WILD AMMONOOSUC RIVER, NH	NEH	BATH	60	Test

Agency Station ID: **01-WAM**
ENSR Station ID: **NHDES-01-WAM**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	210	370	290	4	1997	2000	290	1	Su
TP	ug/L	5	31	15	3	1997	2000	8	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
WILDCAT BROOK, NH	NEH	JACKSON	23	Test

Agency Station ID: **01-WLD**
ENSR Station ID: **NHDES-01-WLD**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	520	520	520	1	1998	1998	520	1	Su
TP	ug/L	7	30	17	3	1998	1998	14	1	Su
CHLA	ug/L									

WILLEY BROOK, NH	NEH	WOLFEBORO	7	Test

Agency Station ID: **01-WLY**
ENSR Station ID: **NHDES-01-WLY**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	390	430	410	2	2000	2000	410	1	Su
TP	ug/L	14	23	18	3	2000	2000	16	1	Su
CHLA	ug/L									

WILLIAMS BROOK, NH	NEH	NORTHFIELD	8	Test

Agency Station ID: **02-WMS**
ENSR Station ID: **NHDES-02-WMS**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	480	480	480	1	2000	2000	480	1	Su
TP	ug/L	8	22	15	2	2000	2000	15	1	Su
CHLA	ug/L									

WILLOW BROOK, NH	NEH	NEW IPSWICH	4	Test

Agency Station ID: **01-WLL**
ENSR Station ID: **NHDES-01-WLL**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	28	28	28	1	1999	1999	28	2	Su
CHLA	ug/L									

WILLOW BROOK, NH	NEH	NEW IPSWICH	4	Test

Agency Station ID: **02-WLL**
ENSR Station ID: **NHDES-02-WLL**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	61	68	65	2	1999	1999	28	2	Su
CHLA	ug/L									

WINNIPESAUKEE RIVER, NH	NEH	FRANKLIN	485	Test

Agency Station ID: **02-WIN**
ENSR Station ID: **NHDES-02-WIN**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	11	13	12	3	1991	1991	11	2	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
WINNIPESAUKEE RIVER, NH	NEH	NORTHFIELD	1	Test

Agency Station ID: **06-WIN**
ENSR Station ID: **NHDES-06-WIN**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	11	12	12	3	1991	1991	11	2	Su
CHLA	ug/L									

WITCHES BROOK, NH	NECZ	HOLLIS	5	Test

Agency Station ID: **02-WCH**
ENSR Station ID: **NHDES-02-WCH**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	590	590	590	2	2000	2000	590	1	Su
TP	ug/L	5	11	8	3	2000	2000	9	1	Su
CHLA	ug/L									

WONALANCET RIVER, NH	NEH	TAMWORTH	7	Test

Agency Station ID: **06-WON**
ENSR Station ID: **NHDES-06-WON**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	6	6	6	1	1990	1990	6	1	Su
CHLA	ug/L									

ABBOTT RUN BROOK, RI	NECZ		28	Impacted

Agency Station ID: **RIBRMP**
ENSR Station ID: **RIDEM-BL01**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	3	200	55	18	1991	2000	15	3	F/Sp/Su/W
CHLA	ug/L									

ABBOTT RUN BROOK, RI	NECZ		35	Impacted

Agency Station ID: **RIBRMP**
ENSR Station ID: **RIDEM-BL02**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	6	290	51	17	1991	2000	15	3	F/Sp/Su/W
CHLA	ug/L									

ABBOTT RUN BROOK, RI	NECZ		32	Impacted

Agency Station ID: **RSD59**
ENSR Station ID: **RIDEM-RSD59**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	685	685	685	1	2000	2000	685	1	F
TP	ug/L	90	90	90	1	2000	2000	15	3	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
ADAMSVILLE BROOK, RI	NECZ	ADAMSVILLE	4	Test

Agency Station ID: **RIBRMP**
ENSR Station ID: **RIDEM-BL04**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	1	200	42	16	1991	2000	20	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
ASHAWAY RIVER, RI	NECZ		28	Test

Agency Station ID: **RIBRMP**
ENSR Station ID: **RIDEM-BL03**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	4	220	45	18	1991	2000	20	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
BAILEY'S BROOK, RI	NECZ		3	Impacted

Agency Station ID: **RIBRMP**
ENSR Station ID: **RIDEM-BL05**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	9	2730	178	20	1991	2000	33	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
BEAVER RIVER, RI	NECZ		13	Test

Agency Station ID: **RIBRMP**
ENSR Station ID: **RIDEM-BL06**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	5	130	37	17	1991	2000	19	2	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
BEAVER RIVER, RI	NECZ		13	Test

Agency Station ID: **RSD7**
ENSR Station ID: **RIDEM-RSD7**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L	1105	1105	1105	1	2000	2000	1105	1	F
TP	ug/L	70	70	70	1	2000	2000	19	2	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
BIG RIVER, RI	NECZ		23	Test

Agency Station ID: **RIBRMP**
ENSR Station ID: **RIDEM-BL07**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	4	190	49	18	1991	2000	18	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
BLACKSTONE RIVER, RI	NECZ		478	Impacted

Agency Station ID: **01111230**
ENSR Station ID: **RIDEM-01111230**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	1200	5000	2605	10	1998	2000	1430	2	F/Sp/Su/W
TP	ug/L	146	333	243	10	1998	2000	173	4	F/Sp/Su/W
CHLA	ug/L									

BLACKSTONE RIVER, RI	NECZ		13	Impacted

Agency Station ID: **USGS**
ENSR Station ID: **RIUSGS-01111230**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	40	1100	227	22	1989	1996	173	4	F/Sp/Su/W
CHLA	ug/L									

BLACKSTONE RIVER, RI	NECZ		420	Impacted

Agency Station ID: **USGS**
ENSR Station ID: **RIUSGS-01112900**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	70	720	251	7	1989	1997	173	4	F/Sp/Su/W
CHLA	ug/L									

BLACKSTONE RIVER, RI	NECZ	MANVILLE	420	Impacted

Agency Station ID: **01112900**
ENSR Station ID: **ST-01112900**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	410	2860	1491	36	1990	1992	1430	2	F/Sp/Su/W
TP	ug/L	5	770	246	83	1990	1997	173	4	F/Sp/Su/W
CHLA	ug/L									

BORDEN BROOK, RI	NECZ		4	Test

Agency Station ID: **RSD28**
ENSR Station ID: **RIDEM-RSD28**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	508	508	508	1	2000	2000	508	1	F
TP	ug/L	70	70	70	1	2000	2000	70	1	F
CHLA	ug/L									

BRANCH RIVER, RI	NECZ		69	Impacted

Agency Station ID: **RSD57**
ENSR Station ID: **RIDEM-RSD57**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	895	895	895	1	2000	2000	610	2	F/Sp/Su/W
TP	ug/L	210	210	210	1	2000	2000	15	3	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
BRANCH RIVER, RI	NECZ	FORESTDALE	93	Impacted

Agency Station ID: **USGS**
ENSR Station ID: **RIUSGS-01111500**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	20	18	8	1989	1996	15	3	F/Sp/Su/W
CHLA	ug/L									

BRANCH RIVER, RI	NECZ	FORESTDALE	93	Impacted

Agency Station ID: **01111500**
ENSR Station ID: **ST-01111500**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	180	1170	617	36	1990	1992	610	2	F/Sp/Su/W
TP	ug/L	5	170	20	83	1990	1997	15	3	F/Sp/Su/W
CHLA	ug/L									

BREAKHEART BROOK, RI	NECZ		7	Test

Agency Station ID: **RSD15**
ENSR Station ID: **RIDEM-RSD15**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	386	386	386	1	2000	2000	386	1	F
TP	ug/L	50	50	50	1	2000	2000	50	1	F
CHLA	ug/L									

BUCKS HORN BROOK, RI	NECZ		9	Test

Agency Station ID: **RIBRMP**
ENSR Station ID: **RIDEM-BL22**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	6	150	47	17	1991	2000	24	1	F/Sp/Su/W
CHLA	ug/L									

BURNT SWAMP BROOK, RI	NECZ		6	Test

Agency Station ID: **RSD61**
ENSR Station ID: **RIDEM-RSD61**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	895	895	895	1	2000	2000	895	1	F
TP	ug/L	130	130	130	1	2000	2000	130	1	F
CHLA	ug/L									

CANONCHET BROOK, RI	NECZ		8	Impacted

Agency Station ID: **RIBRMP**
ENSR Station ID: **RIDEM-BL08**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	20	240	70	18	1991	2000	41	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
CARR RIVER, RI	NECZ		4	Test

Agency Station ID: **RSD24**
ENSR Station ID: **RIDEM-RSD24**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L	1505	1505	1505	1	2000	2000	1505	1	F
TP	ug/L	60	60	60	1	2000	2000	60	1	F
CHLA	ug/L									

CEDAR SWAMP BROOK, RI	NECZ		4	Test

Agency Station ID: **RSD4**
ENSR Station ID: **RIDEM-RSD4**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L	535	535	535	1	2000	2000	535	1	F
TP	ug/L	80	80	80	1	2000	2000	80	1	F
CHLA	ug/L									

CHIPUXET RIVER, RI	NECZ		7	Impacted

Agency Station ID: **RIBRMP**
ENSR Station ID: **RIDEM-BL09**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	6	500	65	18	1991	2000	24	1	F/Sp/Su/W
CHLA	ug/L									

CLEAR RIVER, RI	NECZ		45	Impacted

Agency Station ID: **RIBRMP**
ENSR Station ID: **RIDEM-BL23**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	5	150	60	17	1991	2000	37	3	F/Sp/Su/W
CHLA	ug/L									

CLEAR RIVER, RI	NECZ		13	Impacted

Agency Station ID: **RSD50**
ENSR Station ID: **RIDEM-RSD50**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L	429	429	429	1	2000	2000	335	2	F
TP	ug/L	60	60	60	1	2000	2000	37	3	F/Sp/Su/W
CHLA	ug/L									

CLEAR RIVER, RI	NECZ		25	Impacted

Agency Station ID: **RSD51**
ENSR Station ID: **RIDEM-RSD51**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L	335	335	335	1	2000	2000	335	2	F
TP	ug/L	100	100	100	1	2000	2000	37	3	F/Sp/Su/W
CHLA	ug/L									

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
COLD BROOK, RI	NECZ		6	Test

Agency Station ID: **RSD21**
ENSR Station ID: **RIDEM-RSD21**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	855	855	855	1	2000	2000	855	1	F
TP	ug/L	70	70	70	1	2000	2000	70	1	F
CHLA	ug/L									

CORK BROOK, RI	NECZ		3	Test

Agency Station ID: **RSD38**
ENSR Station ID: **RIDEM-RSD38**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	335	335	335	1	2000	2000	335	1	Su
TP	ug/L	160	160	160	1	2000	2000	160	1	Su
CHLA	ug/L									

CROOKFALL BROOK, RI	NECZ		2	Test

Agency Station ID: **RSD58**
ENSR Station ID: **RIDEM-RSD58**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	405	405	405	1	2000	2000	405	1	F
TP	ug/L	150	150	150	1	2000	2000	150	1	F
CHLA	ug/L									

DUNDERY BROOK, RI	NECZ		3	Test

Agency Station ID: **RIBRMP**
ENSR Station ID: **RIDEM-BL11**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	5	90	37	16	1991	2000	26	1	F/Sp/Su/W
CHLA	ug/L									

EAST OF COLD BROOK, RI	NECZ		6	Test

Agency Station ID: **RIBRMP**
ENSR Station ID: **RIDEM-BL10**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	3	90	22	13	1991	2000	14	1	F/Sp/Su/W
CHLA	ug/L									

FALLS RIVER, RI	NECZ		19	Test

Agency Station ID: **RIBRMP**
ENSR Station ID: **RIDEM-BL12**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	8	150	47	19	1991	2000	38	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
FURNACE HILL BROOK, RI	NECZ		4	Test

Agency Station ID: **RSD39**
ENSR Station ID: **RIDEM-RSD39**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L	3445	3445	3445	1	2000	2000	3445	1	Su
TP	ug/L	80	80	80	1	2000	2000	80	1	Su
CHLA	ug/L									

HAWKINS BROOK, RI	NECZ		36	Test

Agency Station ID: **RSD53**
ENSR Station ID: **RIDEM-RSD53**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L	495	495	495	1	2000	2000	495	1	F
TP	ug/L	60	60	60	1	2000	2000	60	1	F
CHLA	ug/L									

HUNT RIVER, RI	NECZ		16	Test

Agency Station ID: **RIBRMP**
ENSR Station ID: **RIDEM-BL13**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	3	150	37	17	1991	2000	19	1	F/Sp/Su/W
CHLA	ug/L									

JAMESTOWN BROOK, RI	NECZ		1	Impacted

Agency Station ID: **RIBRMP**
ENSR Station ID: **RIDEM-BL14**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	8	200	45	15	1991	2000	24	1	F/Sp/Su/W
CHLA	ug/L									

KEACH BROOK, RI	NECZ		2	Impacted

Agency Station ID: **RIBRMP**
ENSR Station ID: **RIDEM-BL15**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	3	240	54	17	1991	2000	23	1	F/Sp/Su/W
CHLA	ug/L									

LATHAM BROOK, RI	NECZ		2	Impacted

Agency Station ID: **RSD52**
ENSR Station ID: **RIDEM-RSD52**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L	784	784	784	1	2000	2000	784	1	F
TP	ug/L	140	140	140	1	2000	2000	140	1	F
CHLA	ug/L									

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
LOCKWOOD BROOK, RI	NECZ		1	Test

Agency Station ID: **RSD33**
ENSR Station ID: **RIDEM-RSD33**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	4180	4180	4180	1	2000	2000	4180	1	Su
TP	ug/L	160	160	160	1	2000	2000	160	1	Su
CHLA	ug/L									

MAIDFORD RIVER, RI	NECZ		2	Impacted

Agency Station ID: **RIBRMP**
ENSR Station ID: **RIDEM-BL16**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	3280	214	19	1991	2000	37	1	F/Sp/Su/W
CHLA	ug/L									

MASKERCHUGG RIVER, RI	NECZ		6	Test

Agency Station ID: **RSD25**
ENSR Station ID: **RIDEM-RSD25**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	1380	1380	1380	1	2000	2000	1380	1	F
TP	ug/L	80	80	80	1	2000	2000	80	1	F
CHLA	ug/L									

MEADOW BROOK, RI	NECZ		6	Test

Agency Station ID: **RIBRMP**
ENSR Station ID: **RIDEM-BL17**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	5	140	44	17	1991	2000	30	2	F/Sp/Su/W
CHLA	ug/L									

MEADOW BROOK, RI	NECZ		6	Test

Agency Station ID: **RSD6**
ENSR Station ID: **RIDEM-RSD6**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	655	655	655	1	2000	2000	655	1	F
TP	ug/L	100	100	100	1	2000	2000	30	2	F/Sp/Su/W
CHLA	ug/L									

MOSHASSUCK RIVER, RI	NECZ		11	Test

Agency Station ID: **RSD54**
ENSR Station ID: **RIDEM-RSD54**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	724	724	724	1	2000	2000	724	1	F
TP	ug/L	180	180	180	1	2000	2000	180	1	F
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MOWRY MEADOW BROOK, RI	NECZ		3	Test

Agency Station ID: **RSD44**
ENSR Station ID: **RIDEM-RSD44**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	748	748	748	1	2000	2000	748	1	Su
TP	ug/L	80	80	80	1	2000	2000	80	1	Su
CHLA	ug/L									

NOOSENECK RIVER, RI	NECZ		9	Test

Agency Station ID: **RSD16**
ENSR Station ID: **RIDEM-RSD16**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	615	615	615	1	2000	2000	615	1	F
TP	ug/L	150	150	150	1	2000	2000	150	1	F
CHLA	ug/L									

PARMENTER BROOK, RI	NECZ		2	Test

Agency Station ID: **RSD5**
ENSR Station ID: **RIDEM-RSD5**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	695	695	695	1	2000	2000	695	1	F
TP	ug/L	140	140	140	1	2000	2000	140	1	F
CHLA	ug/L									

PARRIS BROOK, RI	NECZ		7	Test

Agency Station ID: **RIBRMP**
ENSR Station ID: **RIDEM-BL19**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	5	170	42	17	1991	2000	20	1	F/Sp/Su/W
CHLA	ug/L									

PASCOAG RIVER, RI	NECZ		9	Test

Agency Station ID: **RIBRMP**
ENSR Station ID: **RIDEM-BL20**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	4	150	40	17	1991	2000	17	1	F/Sp/Su/W
CHLA	ug/L									

PAWCATUCK RIVER, RI	NECZ		294	Impacted

Agency Station ID: **RSD1**
ENSR Station ID: **RIDEM-RSD1**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	805	805	805	1	2000	2000	850	4	F/Sp/Su/W
TP	ug/L	100	100	100	1	2000	2000	30	5	F/Sp/Su/W
CHLA	ug/L									

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
PAWCATUCK RIVER, RI	NECZ		272	Impacted

Agency Station ID: **RSD2**
ENSR Station ID: **RIDEM-RSD2**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L	895	895	895	1	2000	2000	850	4	F/Sp/Su/W
TP	ug/L	90	90	90	1	2000	2000	30	5	F/Sp/Su/W
CHLA	ug/L									

PAWCATUCK RIVER, RI	NECZ		242	Impacted

Agency Station ID: **RSD3**
ENSR Station ID: **RIDEM-RSD3**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L	865	865	865	1	2000	2000	850	4	F/Sp/Su/W
TP	ug/L	110	110	110	1	2000	2000	30	5	F/Sp/Su/W
CHLA	ug/L									

PAWCATUCK RIVER, RI	NECZ		303	Impacted

Agency Station ID: **USGS**
ENSR Station ID: **RIUSGS-01118500**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	20	40	33	4	1989	1996	30	5	F/Sp/Su/W
CHLA	ug/L									

PAWCATUCK RIVER, RI	NECZ	WESTERLY	303	Impacted

Agency Station ID: **01118500**
ENSR Station ID: **ST-01118500**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	470	1390	789	28	1990	1992	850	4	F/Sp/Su/W
TP	ug/L	5	80	29	54	1990	1997	30	5	F/Sp/Su/W
CHLA	ug/L									

PAWTUXET RIVER, RI	NECZ		202	Test

Agency Station ID: **USGS**
ENSR Station ID: **RIUSGS-01116500**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	90	470	247	6	1989	1996	284	4	F/Sp/Su/W
CHLA	ug/L									

PAWTUXET RIVER, RI	NECZ		232	Test

Agency Station ID: **USGS**
ENSR Station ID: **RIUSGS-01116617**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	150	800	409	7	1989	1996	284	4	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
PAWTUXET RIVER, RI	NECZ	CRANSTON	202	Test

Agency Station ID: **01116500**
ENSR Station ID: **ST-01116500**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	550	2730	1339	36	1990	1992	1265	2	F/Sp/Su/W
TP	ug/L	60	820	263	82	1990	1997	284	4	F/Sp/Su/W
CHLA	ug/L									

PAWTUXET RIVER, RI	NECZ	PAWTUXET	232	Test

Agency Station ID: **01116617**
ENSR Station ID: **ST-01116617**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN *	ug/L	800	4700	1815	35	1990	1992	1265	2	F/Sp/Su/W
TP	ug/L	100	1400	426	83	1990	1997	284	4	F/Sp/Su/W
CHLA	ug/L									

PEEPTOAD BROOK, RI	NECZ		5	Test

Agency Station ID: **RSD45**
ENSR Station ID: **RIDEM-RSD45**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	545	545	545	1	2000	2000	545	1	Su
TP	ug/L	100	100	100	1	2000	2000	100	1	Su
CHLA	ug/L									

POCASSET RIVER, RI	NECZ		19	Test

Agency Station ID: **RSD40**
ENSR Station ID: **RIDEM-RSD40**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	1105	1105	1105	1	2000	2000	1695	2	F/Su
TP	ug/L	90	90	90	1	2000	2000	100	2	F/Su
CHLA	ug/L									

POCASSET RIVER, RI	NECZ		2	Test

Agency Station ID: **RSD46**
ENSR Station ID: **RIDEM-RSD46**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	2285	2285	2285	1	2000	2000	1695	2	F/Su
TP	ug/L	150	150	150	1	2000	2000	100	2	F/Su
CHLA	ug/L									

POCASSET RIVER, RI	NECZ		10	Test

Agency Station ID: **RSD47**
ENSR Station ID: **RIDEM-RSD47**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	1145	1145	1145	1	2000	2000	1695	2	F/Su
TP	ug/L	50	50	50	1	2000	2000	100	2	F/Su
CHLA	ug/L									

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
QUEENS RIVER, RI	NECZ		20	Test

Agency Station ID: **RIBRMP**
ENSR Station ID: **RIDEM-BL21**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	6	130	44	17	1991	2000	27	2	F/Sp/Su/W
CHLA	ug/L									

QUEENS RIVER, RI	NECZ		5	Test

Agency Station ID: **RSD17**
ENSR Station ID: **RIDEM-RSD17**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L	520	520	520	1	2000	2000	520	1	F
TP	ug/L	50	50	50	1	2000	2000	27	2	F/Sp/Su/W
CHLA	ug/L									

QUIDNECK BROOK, RI	NECZ		4	Test

Agency Station ID: **RSD23**
ENSR Station ID: **RIDEM-RSD23**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L	285	285	285	1	2000	2000	285	1	Su
TP	ug/L	50	50	50	1	2000	2000	50	1	Su
CHLA	ug/L									

ROARING BROOK, MA	NECZ		6

Agency Station ID: **RSD22**
ENSR Station ID: **RIDEM-RSD22**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L	228	228	228	1	2000	2000	228	1	Su
TP	ug/L	80	80	80	1	2000	2000	80	1	Su
CHLA	ug/L									

ROUND TOP BROOK, RI	NECZ		10	Test

Agency Station ID: **RIBRMP**
ENSR Station ID: **RIDEM-BL18**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	2	150	38	17	1991	2000	20	1	F/Sp/Su/W
CHLA	ug/L									

SAUGATUCKET RIVER, RI	NECZ		7	Test

Agency Station ID: **RSD12**
ENSR Station ID: **RIDEM-RSD12**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L	745	745	745	1	2000	2000	745	1	F
TP	ug/L	190	190	190	1	2000	2000	90	2	F
CHLA	ug/L									

Waterbody	*Ecoregion*	*Town*	*Station Watershed Area (sq. mi.)*	*River Status*
SAUGATUCKET RIVER, RI	NECZ		17	Test

Agency Station ID: **RSD8**
ENSR Station ID: **RIDEM-RSD8**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	90	90	90	1	2000	2000	90	2	F
CHLA	ug/L									

SHIPPEE BROOK, RI	NECZ		8	Test

Agency Station ID: **RSD36**
ENSR Station ID: **RIDEM-RSD36**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	398	398	398	1	2000	2000	398	1	Su
TP	ug/L	90	90	90	1	2000	2000	90	1	Su
CHLA	ug/L									

SIN AND FLESH BROOK, RI	NECZ		2	Test

Agency Station ID: **RSD35**
ENSR Station ID: **RIDEM-RSD35**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	543	543	543	1	2000	2000	543	1	F
TP	ug/L	140	140	140	1	2000	2000	140	1	F
CHLA	ug/L									

TEN MILE RIVER, RI	NECZ		55	Impacted

Agency Station ID: **RSD48**
ENSR Station ID: **RIDEM-RSD48**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	2125	2125	2125	1	2000	2000	2125	1	F
TP	ug/L	160	160	160	1	2000	2000	100	8	F/Sp/W
CHLA	ug/L									

TEN MILE RIVER, RI	NECZ		43	Impacted

Agency Station ID: **T-1**
ENSR Station ID: **RIDEM-T-1**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	100	350	150	5	2000	2001	100	8	F/Sp/W
CHLA	ug/L									

TEN MILE RIVER, RI	NECZ		44	Impacted

Agency Station ID: **T-2**
ENSR Station ID: **RIDEM-T-2**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	100	1000	280	5	2000	2001	100	8	F/Sp/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
TEN MILE RIVER, RI	NECZ		44	Impacted

Agency Station ID: **T-3**
ENSR Station ID: **RIDEM-T-3**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	100	1000	296	5	2000	2001	100	8	F/Sp/W
CHLA	ug/L									

TEN MILE RIVER, RI	NECZ	52	Impacted

Agency Station ID: **T-4**
ENSR Station ID: **RIDEM-T-4**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	100	1000	280	5	2000	2001	100	8	F/Sp/W
CHLA	ug/L									

TEN MILE RIVER, RI	NECZ	55	Impacted

Agency Station ID: **T-5**
ENSR Station ID: **RIDEM-T-5**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	100	1000	280	5	2000	2001	100	8	F/Sp/W
CHLA	ug/L									

TEN MILE RIVER, RI	NECZ	55	Impacted

Agency Station ID: **T-6**
ENSR Station ID: **RIDEM-T-6**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	100	1000	280	5	2000	2001	100	8	F/Sp/W
CHLA	ug/L									

TEN MILE RIVER, RI	NECZ	55	Impacted

Agency Station ID: **T-7**
ENSR Station ID: **RIDEM-T-7**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	100	1000	280	5	2000	2001	100	8	F/Sp/W
CHLA	ug/L									

TOMAQUAG BROOK, RI	NECZ	7	Test

Agency Station ID: **RIBRMP**
ENSR Station ID: **RIDEM-BL24**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	13	200	60	17	1991	2000	33	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
WOOD RIVER, RI	NECZ		58	Test

Agency Station ID: **RIBRMP**
ENSR Station ID: **RIDEM-BL25**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	6	130	41	16	1991	2000	19	2	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
WOOD RIVER, RI	NECZ		57	Test

Agency Station ID: **RSD10**
ENSR Station ID: **RIDEM-RSD10**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L	446	446	446	1	2000	2000	446	1	F
TP	ug/L	120	120	120	1	2000	2000	19	2	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
BLACK RIVER, VT	NEH	COVENTRY	121	Test

Agency Station ID: **04296000**
ENSR Station ID: **ST-04296000**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN *	ug/L	250	1450	646	10	1990	1992	645	1	F/Sp/Su/W
TP	ug/L	5	80	27	21	1990	1994	22	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
EAST RIVER, VT	EGLHL		14	Test

Agency Station ID: **EAST01**
ENSR Station ID: **VT-500504**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	16	298	75	74	1990	1992	50	1	F/Sp/Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
FAIRFIELD INLET, VT	NEH		24	Test

Agency Station ID: **500375**
ENSR Station ID: **ST-500375**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	11	240	38	32	1990	1990	16	9	Sp
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
FAIRFIELD INLET, VT	NEH		24	Test

Agency Station ID: **500376**
ENSR Station ID: **ST-500376**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	12	225	42	30	1990	1990	16	9	Sp
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
FAIRFIELD INLET, VT	NEH		24	Test

Agency Station ID: **500377**
ENSR Station ID: **ST-500377**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	9	192	42	8	1990	1990	16	9	Sp
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
FAIRFIELD INLET, VT	NEH		24	Test

Agency Station ID: **500378**
ENSR Station ID: **ST-500378**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	6	45	16	11	1990	1990	16	9	Sp
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
FAIRFIELD INLET, VT	NEH		24	Test

Agency Station ID: **500379**
ENSR Station ID: **ST-500379**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	9	38	15	14	1990	1990	16	9	Sp
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
FAIRFIELD INLET, VT	NEH		24	Test

Agency Station ID: **500380**
ENSR Station ID: **ST-500380**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	7	87	26	14	1990	1990	16	9	Sp
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
FAIRFIELD INLET, VT	NEH		24	Test

Agency Station ID: **500381**
ENSR Station ID: **ST-500381**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	5	1010	78	16	1990	1990	16	9	Sp
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
FAIRFIELD INLET, VT	NEH		24	Test

Agency Station ID: **500382**
ENSR Station ID: **ST-500382**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	River Grand Median Stations	River Grand Median Seasons
TN	ug/L									
TP	ug/L	9	233	49	16	1990	1990	16	9	Sp
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
FAIRFIELD INLET, VT	NEH		24	Test

Agency Station ID: **500383**
ENSR Station ID: **ST-500383**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	16	98	37	16	1990	1990	16	9	Sp
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
INDIAN, VT	EGLHL		12	Impacted

Agency Station ID: **INDI01**
ENSR Station ID: **VT-500511**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	19	622	83	105	1990	1992	62	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
LAMOILLE RIVER, VT	EGLHL		720	Test

Agency Station ID: **LAMO01**
ENSR Station ID: **VT-501794**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	250	780	511	62	1992	1997	482	1	F/Sp/Su/W
TP	ug/L	8	362	41	165	1990	1997	25	1	F/Sp/Su/W
CHLA	ug/L	0.46	8.47	2.65	20	1995	2001	2	1	F/Sp/Su

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
LAPLATTE, VT	EGLHL		53	Test

Agency Station ID: **LAPL01**
ENSR Station ID: **VT-501594**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	370	3240	910	78	1992	1997	818	1	F/Sp/Su/W
TP	ug/L	17	1110	215	173	1990	1997	168	1	F/Sp/Su/W
CHLA	ug/L	0.23	21.00	4.38	22	1995	2001	4	1	F/Sp/Su

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
LEWIS RIVER, VT	EGLHL		80	Reference

Agency Station ID: **LEWI01**
ENSR Station ID: **VT-500503**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	220	1780	597	67	1992	1997	538	1	F/Sp/Su/W
TP	ug/L	8	772	75	163	1990	1997	44	1	F/Sp/Su/W
CHLA	ug/L	0.09	7.09	2.03	21	1995	2001	2	1	F/Sp/Su

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
LITTLE OTTER, VT	EGLHL		58	Impacted

Agency Station ID: **LOTT01**
ENSR Station ID: **VT-501371**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	410	2240	921	62	1992	1997	715	1	F/Sp/Su/W
TP	ug/L	7	426	110	163	1990	1997	98	1	F/Sp/Su/W
CHLA	ug/L	0.96	6.24	2.58	21	1995	2001	2	1	F/Sp/Su

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
MALLETTS RIVER, VT	EGLHL		19	Test

Agency Station ID: **MALL01**
ENSR Station ID: **VT-500510**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	16	303	57	95	1990	1992	48	1	F/Sp/Su/W
CHLA	ug/L									

MILL, VT	EGLHL		23	Impacted

Agency Station ID: **MILL01**
ENSR Station ID: **VT-501563**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	14	332	83	95	1990	1992	60	1	F/Sp/Su
CHLA	ug/L									

MISSISQUOI, VT	EGLHL		854	Test

Agency Station ID: **MISS01**
ENSR Station ID: **VT-500505**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	380	1520	707	58	1992	1997	682	1	F/Sp/Su/W
TP	ug/L	15	570	74	157	1990	1997	49	1	F/Sp/Su/W
CHLA	ug/L	0.99	14.55	4.78	18	1995	2001	3	1	F/Sp/Su

MOOSE RIVER, VT	NEH	VICTORY	73	Reference

Agency Station ID: **01134500**
ENSR Station ID: **ST-01134500**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	5	5	5	1	1995	1995	5	1	Su
CHLA	ug/L									

OTTAUQUECHEE RIVER, VT	NEH		116	Test

Agency Station ID: **43360207**
ENSR Station ID: **ST-433602072351801**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	10	10	10	1	1995	1995	5	2	Su
CHLA	ug/L									

OTTAUQUECHEE RIVER, VT	NEH		127	Test

Agency Station ID: **43370907**
ENSR Station ID: **ST-433709072320301**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	5	5	5	1	1995	1995	5	2	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
OTTER, VT	EGLHL		876	Test

Agency Station ID: **OTTE01**
ENSR Station ID: **VT-500509**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	340	1880	696	68	1992	1997	612	1	F/Sp/Su/W
TP	ug/L	23	498	91	175	1990	1997	80	1	F/Sp/Su/W
CHLA	ug/L	0.48	26.24	6.33	21	1995	2001	3	1	F/Sp/Su

PASSUMPSIC RIVER, VT	NEH	PASSUMPSIC	434	Reference

Agency Station ID: **01135500**
ENSR Station ID: **ST-01135500**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	5	5	5	1	1994	1994	5	1	Su
CHLA	ug/L									

POULTNEY, VT	EGLHL		262	Impacted

Agency Station ID: **POUL01**
ENSR Station ID: **VT-POU1**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	240	1680	574	67	1992	1997	538	1	F/Sp/Su/W
TP	ug/L	15	343	80	165	1990	1997	53	1	F/Sp/Su/W
CHLA	ug/L	0.77	9.82	4.27	20	1995	2001	4	1	F/Sp/Su

SECOND BRANCH WHITE RIVER, VT	NEH		70	Test

Agency Station ID: **43503107**
ENSR Station ID: **ST-435031072351101**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	5	5	5	1	1995	1995	5	1	Su
CHLA	ug/L									

SLEEPERS RIVER, VT	NEH	ST.JOHNSBURY	47	Test

Agency Station ID: **01135300**
ENSR Station ID: **ST-01135300**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	5	130	12	33	1993	1995	5	1	F/Sp/Su/W
CHLA	ug/L									

STEVENS RIVER, VT	EGLHL		14	Impacted

Agency Station ID: **STEV01**
ENSR Station ID: **VT-501575**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	8	2470	183	116	1990	1992	118	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
STONEBRIDGE, VT	EGLHL		12	Impacted

Agency Station ID: **STON01**
ENSR Station ID: **VT-500506**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	14	504	84	92	1990	1992	63	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
WELLS RIVER, VT	NEH	WELLS RIVER	100	Test

Agency Station ID: **01139000**
ENSR Station ID: **ST-01139000**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	5	5	5	1	1995	1995	5	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
WHETSTONE BROOK, VT	NECZ		28	Test

Agency Station ID: **42510407**
ENSR Station ID: **ST-425104072322601**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	5	5	5	1	1995	1995	5	1	Su
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
WHITE RIVER, VT	NEH	WEST HARTFORD	688	Test

Agency Station ID: **01144000**
ENSR Station ID: **ST-01144000**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L									
TP	ug/L	5	80	14	35	1993	1995	5	1	F/Sp/Su/W
CHLA	ug/L									

Waterbody	Ecoregion	Town	Station Watershed Area (sq. mi.)	River Status
WINOOSKI, VT	EGLHL		1063	Test

Agency Station ID: **WINO01**
ENSR Station ID: **VT-501903**

Parameter	Unit	Min.	Max.	Avg.	Count	Years Sampled Min.	Years Sampled Max.	River Grand Median Median	Stations	Seasons
TN	ug/L	280	1120	599	58	1992	1997	568	1	F/Sp/Su/W
TP	ug/L	9	548	77	160	1990	1997	51	1	F/Sp/Su/W
CHLA	ug/L	1.01	75.82	7.89	21	1995	2001	3	1	F/Sp/Su

1.0 OVERVIEW OF NEW ENGLAND NUTRIENT DATABASE FOR RIVERS AND STREAMS

1.1 Purpose and Goal of Data Distribution Report

The purpose of the Data Distribution Report is to summarize and document the results of ENSR's acquisition and database entry of qualified nutrient-related data to support and facilitate the development of regional nutrient criteria for rivers/streams. This document is a deliverable under Phase III, Year 2 of the "Collection and Evaluation of Ambient Nutrient Data" Project being conducted for the New England Interstate Water Pollution Control Commission ("the Commission"). This document identifies and describes data and its sources collected and evaluated for inclusion in the New England Nutrient Database for Rivers and Streams ("the Nutrient Database"). An analogous data collection and database development was conducted for lake and ponds and resulted in the New England Nutrient Database for Lakes/Ponds/Reservoirs (NEIWPCC, 2000). One purpose of the Data Distribution Report is to evaluate the sufficiency of available data and see whether the target number of waterbodies suggested for New England sub-ecoregions are achieved or whether additional data collection may be recommended. The final project deliverable will be the Data Synthesis and Final Report ("Final Report") which will build on and expand the material presented in the Data Distribution Report. In the Final Report the finalized Database will be fully described and summarized, potential methods of developing draft nutrient criteria will be explored, and any outstanding issues that may need to be addressed further will be identified.

Specific objectives of the Data Description Report are as follows:

- Provide sufficient regulatory background as a framework for the project objectives;
- Document and describe the sources of electronic nutrient data acquired;
- Describe the basic structure and features of the draft Database;
- Describe and summarize the contents of the draft Database with regard to amount of data, number of waterbodies, parameters of interest, ecoregional coverage, etc.
- Refine the draft Database to identify waterbodies of interest (i.e., those for which sufficient nutrient data is available for comparison and analysis);
- Identify and justify selection of reference sites/conditions;
- Compare numbers of waterbodies on ecoregional basis to target numbers to identify data gaps
- Provide a strategy to address any data gaps identified; and
- Identify next steps and components for development of the Final Report.

1.2 Relationship of Nutrient Database to Regional Nutrient Criteria Development

Development of regional waterbody-specific nutrient criteria is a national priority first identified in the *National Strategy for the Development of Regional Nutrient Criteria* (U.S. EPA, 1998). The U.S. EPA has issued Ambient Water Quality Criteria Recommendations (or "reference conditions") for nutrients for rivers and lakes in the 14 national ecoregions and States must make significant progress towards adopting nutrient criteria as water quality standards by the end of 2004. U.S EPA has also issued waterbody-specific technical guidance, in the form of the *Nutrient Criteria Technical Guidance Manual Rivers and Streams* (U.S. EPA, 2000a.) For New England, U.S

EPA has established numeric nutrient criteria recommendations for rivers in Ecoregions VIII and XIV (U.S. EPA, 2000b; 2001).

This project is being conducted as part of the overall US EPA National Strategy, with the stated objective to investigate promising approaches to ecoregion-specific nutrient criteria and to assist the states in their development of implementation plans to adopt nutrient criteria. The major elements of this strategy are presented below, with those elements most relevant to this project marked in italics:

- *Use of regional and waterbody-type approach for the development of nutrient criteria*;
- Development of waterbody-type technical guidance documents (i.e., documents for streams and rivers; lakes and reservoirs; estuaries and coastal waters; and wetlands) that will serve as "user manuals" for assessing trophic state and developing region-specific nutrient criteria to control overenrichment;
- *Establishment of an US EPA National Nutrient Team with Regional Nutrient Coordinators to develop regional databases and promote State and Tribal Involvement;*
- *Development by US EPA of nutrient water quality criteria in the form of numerical regional target ranges, which US EPA expects States and Tribes to use in implementing State management programs to reduce overenrichment in surface waters, i.e., through the development of water quality criteria, standards, NPDES permit limits, and total maximum daily loads (TMDLs*); and
- Monitoring and evaluation of the effectiveness of nutrient management programs as they are implemented.

To support this effort in New England, ENSR was contracted by the Commission to construct a regional database from existing Federal, State, academic and Tribal nutrient data. The development of the regional database for Rivers and Streams followed the following tasks:

- **Collection of Electronic Data** – recent vintage (i.e., 1990 or later) electronic databases of nutrient, trophic status response indicators, and ancillary water quality, flow, and watershed information will be obtained from Federal, State, Tribal sources, as well as other qualified sources (i.e., academic institutions, watershed groups);
- **Conduct QA/QC Reviews** – prior to inclusion into the regional database, information will reviewed and documented with regard to accuracy, sufficiency, representativeness, and analytical quality. Data will be separated into those to be incorporated into the database and those deferred (and broadly classified as to quality) for later consideration (see Data Gap Analysis);
- **Data Distribution Report** – based on the primary data collection efforts, a Data Distribution Report will be generated that describes the nature and extent of the qualified waterbody nutrient data, along with summary statistics and preliminary analyses. The Data Distribution Report will be examined to identify potential data gaps; and
- **Data Synthesis and Final Report** – the completed regional database will be presented with complete description of its development and a wide array of statistical comparisons to support nutrient criteria decision-making.

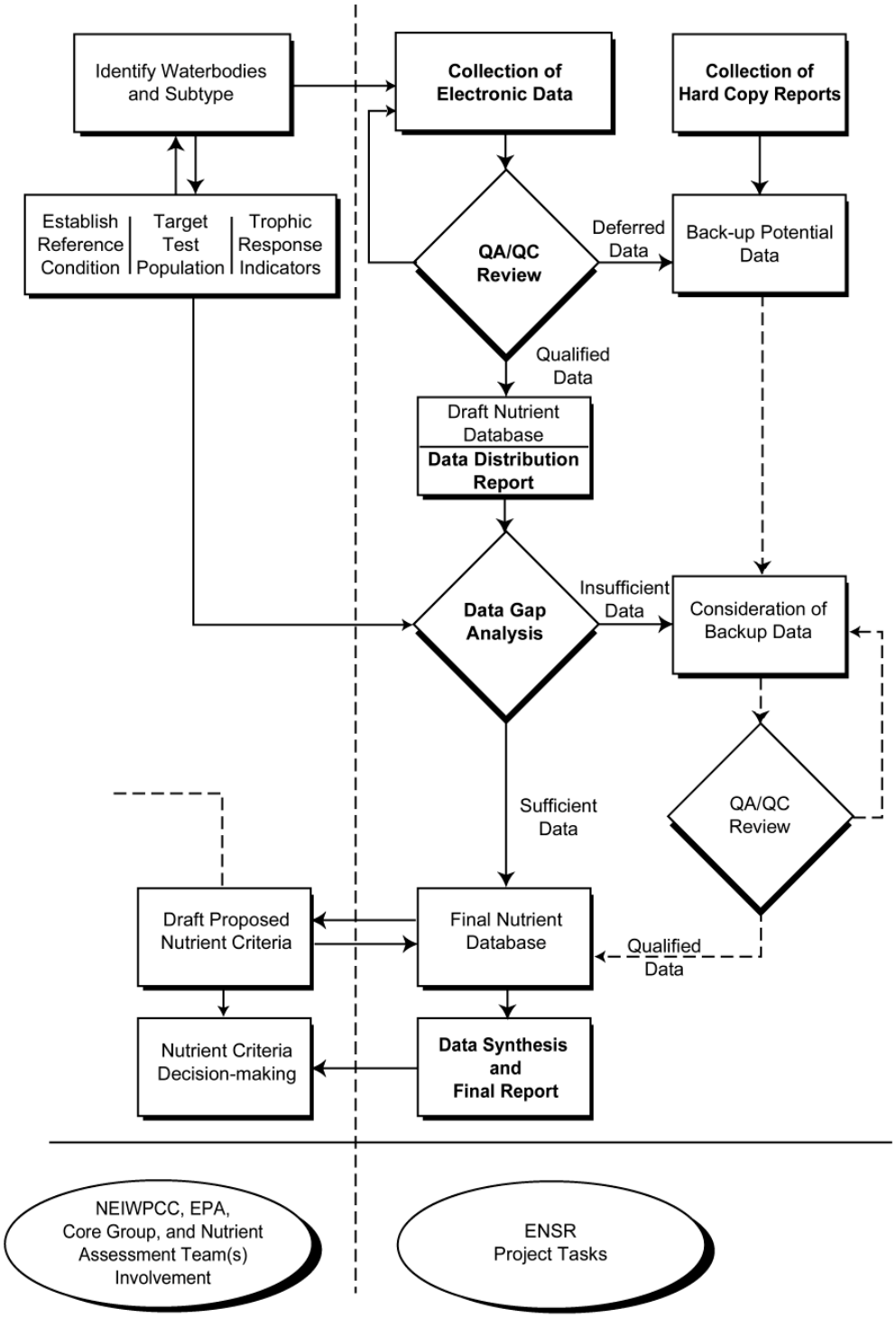
The general relationship between project tasks and the specific objectives is depicted in Figure 1-1, which provides a simplified flowchart indicating the sequence for development of the New England Nutrient Database for Rivers and Streams and its applicability to development of nutrient criteria.

The approach used for acquiring and classifying nutrient data in the database was originally described in a Technical Memorandum (April 1999) during Phase I of this project. The Technical Memorandum was distributed and presented to the project "Core Group" consisting of a selected number of state and federal agency contacts, regional technical assistance groups (RTAGs), U.S. EPA, New England Region, and the Commission. The approach described by the Technical Memorandum was reviewed, discussed, and approved in principle by the Core Group (who act as liaisons with RTAG members), U.S. EPA, and the Commission. This same approach was used in developing the R/S Nutrient Database

1.3 Organization of Report

This report is organized in the following fashion. Section 1.0 contains background material. Section 2.0 identifies the data sources for the New England Nutrient Database for Rivers and Streams. The structure and framework of the Database are described in Section 3.0. Section 4.0 contains the Development Strategy used to "refine" the initial database into a more focused and useable set of waterbodies and parameters. Section 5.0 provides initial Summary Statistics on the waterbodies and major parameters of interest. A Data Gaps Analysis to identify data needs is provided in Section 6.0 and a Summary is presented in Section 7.0.

FIGURE 1-1
Development of Nutrient Database to Support Nutrient Criteria Decision-making



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2.0 SOURCES OF DATA

2.1 Data Sources

The primary goal of the project is to collect and analyze good quality data to help establish the basis and justification for regional nutrient criteria. To provide for this good quality database, nutrient data, trophic status response indicators, ancillary water quality parameters, flow, and watershed information on waterbodies in New England were acquired from a variety of qualified sources including state and Federal agencies, Tribal sources, academic institutions, watershed groups, and other sources. A list of the databases that were primary sources of data and the respective contact person are listed in Table 2-1. The data requested was for electronic databases of a fairly recent vintage (i.e., 1990 or later). A compilation of the databases used, with a brief description of the dataset, its parameters, and contact person is contained in Appendix A.

2.2 Spatial Data

The Geographical Information System (GIS) software ArcView (ESRI) was used to support some of the data mining and analysis tasks. The GIS interface was used to distinguish waterbodies from those with similar names, and to identify the correct ecoregion for each waterbody. Specific websites that were used are noted below. The spatial coverages were obtained electronically – from internet sites in most cases – and used to complete the database.

The EPA Non-Aggregated Ecoregions for United States were obtained from the EPA ftp site (ftp://cerberus.epa.orst.edu). The file covers the entire United States and shows five ecoregions within New England. Delineations of the 8-digit Hydrologic Units Codes (HUCs) were obtained from the USGS web site (www.usgs.gov). Counties and towns political boundaries were obtained from the ESRI Data CD of New England.

Additional spatial data sets were also obtained from each of the state's official GIS data web sites to help support technical analyses. These state-specific GIS sites are:

- Connecticut: http://magic.lib.uconn.edu/
- Maine: http://apollo.ogis.state.me.us/
- Massachusetts: http://www.magnet.state.ma.us/mgis/
- New Hampshire: http://nhresnet.sr.unh.edu/granit/overview.htm
- Rhode Island: http://www.edc.uri.edu/rigis/
- Vermont: http://geo-vt.uvm.edu/

Land use attributes for sampling station watersheds were derived from the USGS SPatially Referenced Regressions On Watershed Attributes (SPARROW) model. The SPARROW model is described on the web site (http://water.usgs.gov/nawqa/sparrow/).

Table 2-1 Organizational Contacts for Waterbody and Nutrient Data

Organization	Contact	Dataset Description	Example of Parameters	Years
Connecticut				
CTDEP	Chuck Lee charles.lee@po.state.ct.us	Electronic data for a limited number of lakes	ALK, TN, TP, TSS	1990-1997
CTDEP	Chuck Lee charles.lee@po.state.ct.us	Series of hardcopy reports on a number of lakes in CT	ALK, CHLA, pH, SDT, TN, TP	1989-1995
Maine				
ME-DEP	Roy Bouchard roy.j.bouchard@state.me.us (207) 287-7798	Lakes and ponds data	ALK, CHLA, DO, pH, SDT, Temperature, TP	1952-1998
ME-DEP	Paul Mitnik (207) 287-6093	River and streams data	CHLA, pH, SDT, TP, some nitrogen	1989-1998
Penobscot Indian Nation	Dan Kusnierz Pinwater@mint.net	Rivers data for the Penobscot Watershed, ME	CHLA, SDT, Temperature, TN, TP, TSS	1994-1997
Massachusetts				
MADEP	Tom Dallaire thomas.dallaire-eqe@state.ma.us	Data for brooks, rivers and streams sampled at 444 stations within 37 basins	ALK, DO, pH, Temperature, TP, TSS, some nitrogen	1994-1998
MADEP	Rick McVoy Rick.mcvoy@state.ma.us	Series of hardcopy reports on a number of lakes in MA	CHLA, pH, SDT, TN, TP	1980-1988
UMASS Acid Rain Monitoring Project	Paul Godfrey godfrey@tei.umass.edu	Predominately data for ponds and streams located in 15 different counties in MA	ALK, NO3, pH, TP	1983-1993
New Hampshire				
NHDES	Bob Estabrook, (603) 271-3357 r.estabrook@des.state.nh.us	Data for most lakes in NH.	ALK, CHLA, DO, pH, SDT, Temperature, TKN, TP, Weeds	1976-1999

Organization	Contact	Dataset Description	Example of Parameters	Years
Vermont				
VTDEC	Eric Smeltzer (802) 241-3792 eric.smeltzer@anmail.state.vt.us	Hundreds of lakes and ponds.	CHLA, phytoplankton, SDT, TN, TP	1975-1998
Rhode Island				
RIDEM	Connie Carey (401) 222-4700 ext. 7239 ccarey@dem.state.ri.us	River information	DO, pH, Temperature, TP, TSS, some nitrogen	1991-1997
URI Cooperative Extension (Watershed Watch Program)	Linda Green uriww@etal.uri.edu	Data on lakes and ponds	CHLA, SDT, TN, TP	1995-1998
RIUSGS			DO, pH, Temperature, some nitrogen	1989-1997
National Level				
STORET	Dan Parker Parker.dan@epamail.epa.gov	Stations in CT (40), MA (5), NH (11) and VT(288)	DO, SDT, Temperature, TP, some nitrogen	1990-1997
EMAP	Spence Peterson (541) 754-4457	370 lakes in Northeast Lake Survey	CHLA, SDT, TN, TP, Turbidity	1991-1994
USGS	Keith Robinson (603) 226-7809 kwrobins@usgs.gov	Data on rivers and streams		

3.0 DATABASE DESCRIPTION

The New England Nutrient Database was assembled from the data acquired from the data sources identified in Section 2.0. A description of the structure of the Database is given in Section 3.1. The main data tables are described in Section 3.2. The Quality Assurance / Quality Control measures taken in reviewing, verifying, and accepting the data are described in Section 3.3.

3.1 Database Structure

A Relational database was designed and implemented in Microsoft Access97 to accumulate and manipulate the extensive amount of available electronic data. This database was adapted from an existing one provided by national US EPA headquarters. It has been revised and adapted to meet the needs of this project. A relational database is a collection of data items organized as a set of formally-described tables that are linked into a logical structure. The New England Nutrient Database includes tables and queries. Tables are collections of data on a given topic. Their content and the relationships defined between the different tables form the core of the database applications. Queries present a certain view of the data contained in tables, or may be used to update, append or edit data records.

The data was organized into four main tables each representing one level of information, as shown in Figure 3-1. These tables contain information on the waterbody, station, sample, and water quality data,

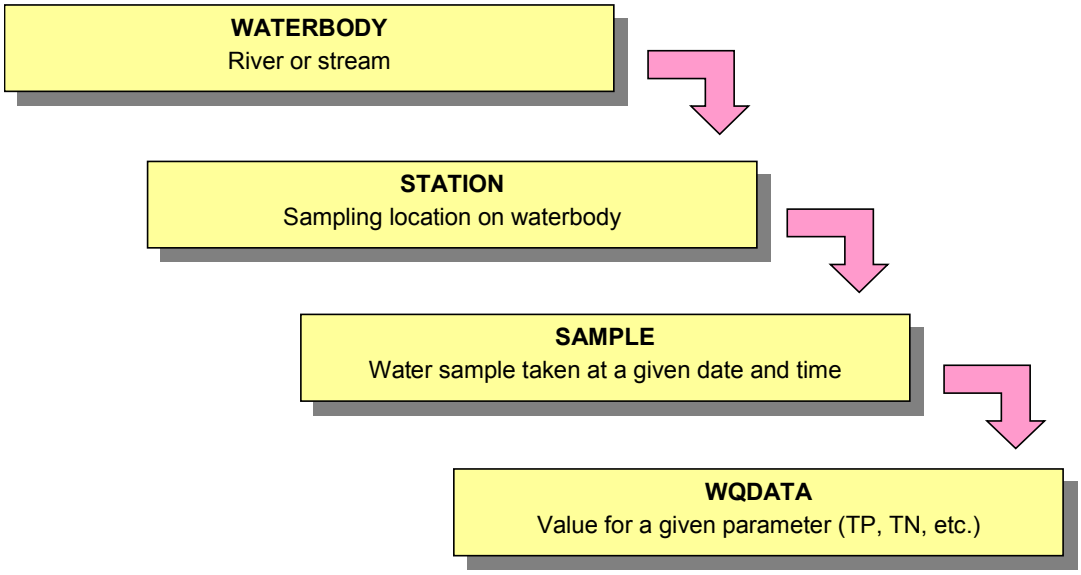


Figure 3-1: Database Main Data Tables Structure.

respectively. The tables are linked to each other through one-to-many relationships with enforced referential integrity. Referential integrity means that records in each main (or so-called “parent”) table are unique but may be associated with one or more derivative (or so-called “child”) records in other tables. As such, a given waterbody may have one or more stations, each measured at one or more

points in time, and each water sample may have been analyzed for one or more parameters. This staged structure ensures that each data item appears once only in the database, eliminating duplicate information and minimizing possible errors.

Within a given table, uniqueness of information is enforced through a single unique key field or unique combinations of fields. In the waterbody and station tables, a single field contains the identification of a unique record, the waterbody_ID and station_ID fields, respectively. In the case of the sample table, a unique record is one with a unique combination of Station ID, Sampling Date, Sampling Time, Sample Depth, and Sample Type. In table WQData, a unique record is one with a unique combination of Sample ID, Parameter, and Reported Value.

In addition to the four main data tables, a number of lookup tables have been developed to provide the possible range of values or categories for some of the fields. The relationships between the main data tables and lookup tables are indicated in Table 3-1.

Table 3-1: Relationships between Main Data Tables and Lookup Tables.

Lookup table	Main Table	Field	Source for Link Field
LTBL_AnalysisMethod	WQData	Analysis Method	Code for analysis method used.
LTBL_EPAEcoregion	Waterbody	EPA Ecoregion	Name of non-aggregated ecoregions for New England .
LTBL_Parameters	WQData	Parameter	Code for chemical/biological/physical parameter measured
LTBL_Qualifier	WQData	Reported_Qualifier	Remark on value reported. Unless specified, codes are same as used in STORET.
LTBL_Sample_Type	Sample	Sample Type	Type of sample collected (target, duplicate, etc.)
LTBL_Sampling_Conditions	Sample	Sampling Conditions	Conditions at time of sampling (dry, wet, unknown)
LTBL_Sampling_Method	Sample	Sampling Method	Sampling method used (grab, hose, composite, etc.)
LTBL_State	Waterbody + Station	State	Two-letter postal abbreviation.
LTBL_Units	WQData	Unit of Measure	Abbreviation of measurement units
LTBL_WaterbodyType	Waterbody	Waterbody Type	Code for waterbody type (P, R, S, M, O)

3.2 Main Data Tables

As noted above, the data is contained in four main data tables representing different levels of information. A listing of the fields found in each of the main data tables is provided in Appendix B. This section discusses some of the implications of the logical organization of the data.

The table Waterbody contains information that is specific to a given waterbody. A waterbody is defined as a body of water with finite, well-defined extents and relatively homogeneous physical characteristics. A waterbody can be an entire river or stream, or a specified segment or reach along a

given river or stream. The subdivision of rivers and streams into segments with relatively homogeneous characteristics is complicated, as depth, flow, and other physical characteristics are expected to change with the distance from the headwaters.

The tables Waterbody and Station contain information at two different levels of spatial extent. The table Waterbody contains overall characteristics of the waterbody while the table Station refers to a specific location on that waterbody. For example, a waterbody may have stations located in different ecoregions.

3.3 Quality Assurance and Quality Control Issues

An important part of the project was Quality Assurance / Quality Control ("QA/QC"). The following section addresses important QA/QC issues for the Database.

3.3.1 Data Import and Database Structure

The majority of the data was obtained electronically from qualified sources in the form of databases or spreadsheets. In most cases, the format of the data received needed only to be manipulated slightly to make it compatible for importing into the Nutrients Database. As such, data entry errors were assumed to be limited to those that could have taken place in the original data source.

The database enforces referential integrity of the information. For example, records can only refer to existing "parent" records (e.g., sample at existing stations). In many cases, unique identifiers were defined that prevent the duplication of information such as lake name, station ID, etc. The referential integrity check also prevents the importation of unassociated or so-called "orphan") data (i.e. data without associated sample, station, or waterbody). The use of lookup tables to provide a limited choice of valid values for some of the fields in the main tables also ensures minimal error in the content of the database. This ensures consistency of values and codes across data sources. For example, water quality parameters are limited to values listed in the Parameters lookup table.

3.3.2 Duplication of Data Between Data Sources

Because of the large number of data sources utilized, and the realization that some waterbodies potentially had measurements reported by two or more different agencies, the water quality measurements present in the draft Database was scanned for duplicates. This verification was performed by comparing the combination of waterbody, sampling date, sampling depth, parameter and value reported. In cases were more than one unique such "combination" was found for different data sources (e.g., between STORET records and a State Agency electronic file), the duplicate STORET record was flagged as non-useable, and not included in subsequent data analyses. Duplicates within a single data source were assumed to be legitimate and were identified as "DUP" in the sample type field.

3.3.3 Additional Verifications

As noted in Section 3.1, no attempt was made to verify the electronic data submitted by the agencies. However, data for selected trophic parameters within the refined Database (described in Section 4.0) were compared with a likely range of values (based on best professional judgment) to insure that the reported values were within the range of "reasonable" values. Reported values for total phosphorus (TP), total nitrogen (TN), and chl-*a* were compared to the reasonable range (Table 3-2). Reported values that were outside of the range were further investigated and verified against the original source

of the data. Negative and null concentrations were also searched for and investigated. When data was outside the expected range and there was some potential explanatory factor readily available (negative values, unit errors, etc), the data was removed from the database. On the other hand, some reported values were outside of the range, but there was no reason to question the accuracy of the data. In these cases, the values were retained in the Database.

Table 3-2: "Reasonable" Range of Values expected for Trophic Parameters

Trophic Parameter	Minimum Value	Maximum Value
Chl *a* (ug/L)	0	250
TN (u/gL)	0	5,000
TP (ug/L)	0	5,000

Many data contributors had initially estimated latitudes and longitudes of sampling stations from USGS quadrangles or road atlases. Since the Global Positioning System (GPS) has become widely available in the interim, agencies were requested to provide updated station coordinates for stations lacking coordinates or for stations with potentially inaccurate coordinates as identified with GIS and SPARROW.

4.0 DEVELOPMENT OF NUTRIENT DATABASE

This section describes the initial draft Database and its contents (Section 4.1). Due to the size of the initial draft database and the inclusion of many water quality records of lesser importance to the development of regional nutrient criteria, a subsequent "refined" New England Nutrient Database for Rivers and Streams ("Refined Database") was developed. Section 4.2 describes the strategy used to develop the Refined Database and Section 4.3 provides a summary of its contents. Section 4.4 discusses the sequence for data processing for averaging the data from an individual waterbody.

4.1 Initial Database Waterbody and Parameter Inventory

Historical water quality and ancillary data was collected from a multitude of sources that included federal and state agencies, volunteer groups and a Native American Nation. The data sources are previously discussed in Section 2.0. The initial draft New England Nutrients Database assembled from these data contained over 2,150 rivers and streams and over 172,000 water quality data records. Some of the features of the initial Database are discussed below.

4.1.1 Distribution of Data Sources

The distribution of the water quality measurements by source of data is presented in Figure 4-1. The data came from twelve sources: state and federal agencies, academic institutions, and a Native American Nation. It should be noted that this distribution represents all of the water quality records in the initial databse, and is quite different from the distribution in the Refined Database, which consists solely of data from stations where one or more of the key trophic indicators (Chl-a, SDT, TN, and TP) was sampled.

4.1.2 Period Covered

The initial draft New England Database contains data from June 1980 to August 2002, although the vast majority of data was collected from 1990 to 2001. The temporal distribution of the data for the selected trophic parameters is presented in Figure 4-2. This graphic presents the number of records available for each year for the selected trophic parameters. As indicated on Figure 4-2, the period 1990-91 provided the largest contribution of nutrient data, but significant contributions where made to the database during all periods of interest, without one period unduly over-represented.

A further breakdown of the data by season is presented in Figures 4-3 and 4-4 for the key trophic parameters TP and TN, respectively. It can be seen that TP was typically sampled in the spring (to capture spring runoff events) and in summer, with minimum sampling in winter. For TN, the summer sampling typically season predominates among data records. The seasonal distribution of data were further evaluated in the calculation of representative parameter values (see Section 4.4).

4.1.3 Water Quality Measurements

The initial database contains more than 172,000 water quality measurements. However, because of the diverse goals of the various monitoring programs that provided the information (e.g., Acid Rain Monitoring (ARM) Program), a large portion of the data reported are for parameters that are not necessarily directly related to nutrients, such as alkalinity, temperature, and pH. Whereas these

parameters may be potentially useful in allowing secondary classification of the waterbodies, they do not provide information directly applicable to the trophic status of the waterbody. Conversely, some of the nutrient data was not appropriate for application to surface waterbodies (e.g., groundwater nitrate records).

Despite these limitations, the identified critical trophic parameters of interest have a satisfactory representation within the Refined Database. This includes about 11,370 TP records, 3,880 TN records, and 1,490 Chl-*a* records. The least-represented trophic parameter is SDT, with less than 590 records.

4.1.4 Distribution of Waterbodies

The distribution by state of the of the rivers and streams contained in the initial draft Database is presented in Table 4-1. Massachusetts represented a large fraction of the sampled waterbodies in the initial Database. However, many of these waterbodies were sampled as part of the ARM program and were typically not sampled for nutrients.

Table 4-1 Number of New England Rivers and Streams in Initial Database by State.

State	Rivers and Streams
Connecticut	153
Massachusetts	1,613
Maine	46
New Hampshire	218
Rhode Island	91
Vermont	41
New England Total	**2,162**

4.2 Development of a Refined Database

At the end of the initial data collection period, the Database contained a large number of waterbodies. (>2,150) and a very large number of water quality records (>172,000). While this amount of data is impressive, it resulted in a cumbersome database that was difficult to perform standard calculations on and analyses of due to it sheer complexity. More importantly, the initial Database also contained much data not directly applicable to the issue of developing regional nutrient criteria; although, as noted above, some of the data may be useful for further correlation with and/or categorization of waterbodies. In addition there were pragmatic considerations regarding the availability of ancillary information for the selected waterbodies. For example, it was necessary to identify the spatial coordinates (i.e., latitude and longitude) for each waterbody sampling station to assign watershed and ecoregional status. Therefore, it was considered prudent to first reduce the size of the database to those waterbodies and

qualified data necessary for further analyses and investigations to support nutrient criteria development.

Accordingly, a decision was made to produce a second, smaller and more focused database. We have used the term "Refined Database" to refer to this effort since it represents a distillation of the information in the initial Database. Since the purpose of the project is to provide a database for further analyses and investigations to support regional nutrient criteria, the Refined Database contains only those rivers and streams for which information is available on the relevant trophic parameters. The purpose and strategy for development of the Refined Database was discussed and consensus reached with the Commission and US EPA Regional Nutrient Coordinator in meetings during summer 1999. This approach was presented to the Regional Nutrient Assessment Team at the September 30, 1999 meeting and is consistent with the overall goals of the program. While the approach was originally designed for application to lakes and ponds, it is considered a sound and appropriate approach for rivers and streams as well.

Briefly, the strategy acknowledges that not all waterbodies were sampled for the key trophic parameters (Chl-a, SDT, TN *and* TP). In fact, less than 2% of the waterbodies in the initial Database had information for three of these four parameters. Comparison of the number and location of these waterbodies indicated that this was an insufficient number to meet the target ranges for waterbodies discussed in the Technical Memorandum (ENSR, April 1999), as well as provide the ecoregional coverage desired. Therefore, the next step was to significantly relax the requirements for the representation of trophic parameters.

Based on the uneven availability of data, the decision was made to include those waterbodies that had data for Chl-a, SDT, TN *or* TP (see Figure 4-7). Adoption of this strategy greatly increased the number of available waterbodies, and allowed inclusion of most of the key trophic parameter data that was in the initial Database (Table 4-2). The Refined Database is composed of 569 rivers and streams. The distribution of rivers and streams across the states is shown in Table 4-3. Potential limitations to the development of the nutrient criteria from looking at this number of waterbodies will be discussed in the Data Gaps (Section 6.0) portion of this report. It will also be further considered in the Final Data Synthesis Report.

Table 4-3 Number of New England Rivers and Streams in Refined Database by State.

State	Rivers and Streams
Connecticut	149
Massachusetts	92
Maine	36
New Hampshire	182
Rhode Island	86
Vermont	29
New England Total	**569**

The Refined Database contains water quality data from rivers and streams from all six New England states. However the largest numbers of rivers and streams are located in Connecticut (149) and New Hampshire (182), with variable distribution between the other states, ranging from 29 in Vermont to 92 in Massachusetts.

The waterbodies represented by the totals in Table 4-3 were the basis of the further investigation. The spatial coordinates of each waterbody sampling station (if not electronically available) were obtained wherever possible and used to ascertain the ecoregion classification via GIS (see Section 4.3), as well as to characterize via SPARROW (through cooperation of the USGS) the land use attributes of sampling station watersheds. With the help of the respective state agencies, efforts were made to review and complete as much of the descriptive information as possible for these waterbodies and their sampling stations as to their physical characteristics, location coordinates, etc., in order to provide a complete basis for evaluation. Finally, the waterbodies in the refined Database were reviewed to determine whether they represented "reference" or "impacted" conditions (see Section 6.0).

4.3 Ecoregions and Watersheds of Interest

An important facet of the development of regional nutrient criteria is the concept of ecoregion-specific criteria. Ecoregions are generally defined as relatively homogeneous areas with respect to geomorphology, climate, ecological systems and the interrelationships among organisms and their environment (Omernik, 1995). They can be defined on a range of scales from national to very regional subdivisions.

Several potential ecoregion classification levels or schemes were identified in the course of the work. These included classifications Level 3 Aggregated and Non-Aggegated Nutrient Ecoregions proposed by Omernik), state-specific ecoregions (e.g. MA, ME), and other proposed classifications (e.g. USDA Forest Service, US EPA Region I). Following review and discussion, the EPA Level 4 Non-Aggregated ecoregions were selected as the basis for the analysis. The EPA Level 4 Non-Aggregated scheme separates New England into the five distinct regions shown in Figure 4-5. These regions are the:

- New England Highlands (NEH),
- Laurentian Plains and Hills (LPH);
- North Eastern Coastal Zone (NECZ);
- Atlantic Coastal Pine Barrens (ACPB); and
- Eastern Great Lakes and Hudson Lowlands (EGLHL) (a small portion of the around Lake Champlain, Vermont).

The ecoregions were compared in terms of their overall land use using land use cover produced by the EPA (EPA,1998). The relative percentages of the area coverage of various land use categories for each ecoregion are illustrated in Figure 4-6. As we can see, the LPH and NEH ecoregions are very similar in terms of the overall land use. The NECZ and ACPB ecoregions are characterized by their

relatively high percentage of residential land use (about 15%). However, the ACPB ecoregion differs from its NECZ neighbor by the higher proportion of wetlands and barren areas and its lesser proportion of agricultural areas. Due to the low number of ACPB watersheds available for inspection, these differences are not considered significant.

The ecoregions were used to evaluate the number of applicable waterbodies in the refined database versus the target range of waterbodies identified in the Technical Memorandum (ENSR, 1999). Due to the very limited spatial coverage of the ACPB ecoregion relative to other New England ecoregions, and its distinctive geomorphology, the river and streams in this ecoregion were deferred from further analysis in the refined Database.

4.4 Sequence for Nutrient Data Processing

The Refined Database contains a large amount of information that has to be extracted, sorted and analyzed to answer the very specific questions for the development of nutrient criteria. One of the critical decision in application of the database is to determine how trophic parameter data will be averaged to produce a representative value from the dataset of an individual waterbodies, regardless of the number of samples obtained from that waterbody. There are several ways to produce such a representative value, with potential advantages and drawbacks to each of these methods.

EPA provided the following protocol for statistical summarization of water quality parameters in the Ambient Water Quality Criteria Recommendation documents. The data are sorted by season, with the seasonal indices adjusted by aggregate ecoregion. Since New England contains rivers and streams in both aggregate ecoregions VIII and XIV and these have slightly different seasonal indices, the following definitions of seasonal indices were used for the Data Distribution Report:

- Spring – months of March to May;
- Summer – months of June to August;
- Fall – months of September to November; and
- Winter – month of December to February.

To provide a single representative parameter value for a waterbody, EPA developed a median value for all parameters within a waterbody for each of the four seasons over the period of record (US EPA, 2001). This method is used to prevent over-representation of an individual waterbody with a large amount of data vs. those with fewer data. The 25th percentile for “all seasons” is calculated by taking the median of the four seasonal 25th percentiles (this can be done with 3 seasons, if only those are available).

For calculation of the individual representative values for New England rivers and streams, ENSR followed the EPA protocol using the step-wise data reduction procedure outlined below.

1. All measurements for a water quality parameter made during a seasonal index period (e.g. September to November) for a waterbody are combined and the median value calculated. This produces a stream- and season-specific value;

2. All stream- and season-specific values for a water quality parameter for a particular ecoregion are pooled, the various statistical indices calculated (e.g. the 25th percentile). This produces an ecoregion- and season-specific value; and
3. The four ecoregion- and season-specific values are pooled (e.g., the four seasonal 25th percentiles from an ecoregion) and the median value taken. This produces an ecoregion and "all seasons" value.

This protocol was used to produce the statistical values described in the following chapters. This allowed direct comparison with ecoregion–specific values listed in the EPA nutrient criteria recommendation documents (U.S. EPA, 2000; 2001).

Table 4-2. Distribution of data in the initial database and refined database by state and source.

State	Data source	Min. sample date	Max. sample date	Number of data points in initial database	Percent	Number of data points in refined database	Percent
CT	CTDEP, 2002	23-Apr-97	26-Aug-02	6,520	3.8%	1,101	6.3%
CT	EMAP	15-Aug-94	15-Aug-94	13	0.0%	4	0.0%
CT	STORET	08-Jan-90	21-Mar-97	12,520	7.3%	2,801	16.1%
MA	EMAP	19-Jul-91	28-Jul-93	25	0.0%	8	0.0%
MA	MA-ARM	20-Mar-83	25-Jul-93	58,999	34.3%	0	0.0%
MA	MA-DEP	15-Jun-94	22-Apr-98	10,342	6.0%	671	3.9%
MA	STORET	08-Jan-90	25-Mar-97	1,655	1.0%	386	2.2%
ME	ME-DEP Bouchard	17-Jun-80	17-Oct-98	445	0.3%	59	0.3%
ME	ME-DEP Mitnik	02-Aug-89	21-Aug-98	5,408	3.1%	919	5.3%
ME	Penobscot Indian Nation	21-Jul-94	17-Sep-97	1,383	0.8%	546	3.1%
ME	STORET	24-Jan-90	28-Aug-96	1,097	0.6%	235	1.4%
NH	EMAP	21-Jul-91	21-Jul-91	11	0.0%	0	0.0%
NH	MODERNIZED STORET, 12/2002	28-May-90	07-Dec-00	50,656	29.4%	3,629	20.9%
NY	VT-DEC Nutrients DB	14-Mar-90	10-Nov-97	5,141	3.0%	0	0.0%
NY	VTDEC, 2002	22-Oct-96	29-Aug-01	37	0.0%	0	0.0%
RI	RI-DEM	12-Mar-91	16-Sep-97	1,762	1.0%	129	0.7%
RI	RI-USGS	03-Oct-89	07-Nov-97	760	0.4%	54	0.3%
RI	RIDEM, 2002	14-Apr-98	25-Apr-01	1,556	0.9%	447	2.6%
RI	STORET	16-Jan-90	27-Mar-97	2,359	1.4%	556	3.2%
RI	URIWW	15-Apr-95	10-Dec-98	2,961	1.7%	2,961	17.1%
VT	STORET	18-Jan-90	12-Sep-95	585	0.3%	263	1.5%
VT	VT-DEC Nutrients DB	14-Mar-90	10-Nov-97	7,756	4.5%	2,492	14.4%
VT	VTDEC, 2002	24-Jul-95	02-Jul-01	101	0.1%	90	0.5%
			Totals:	**172,092**		**17,351**	

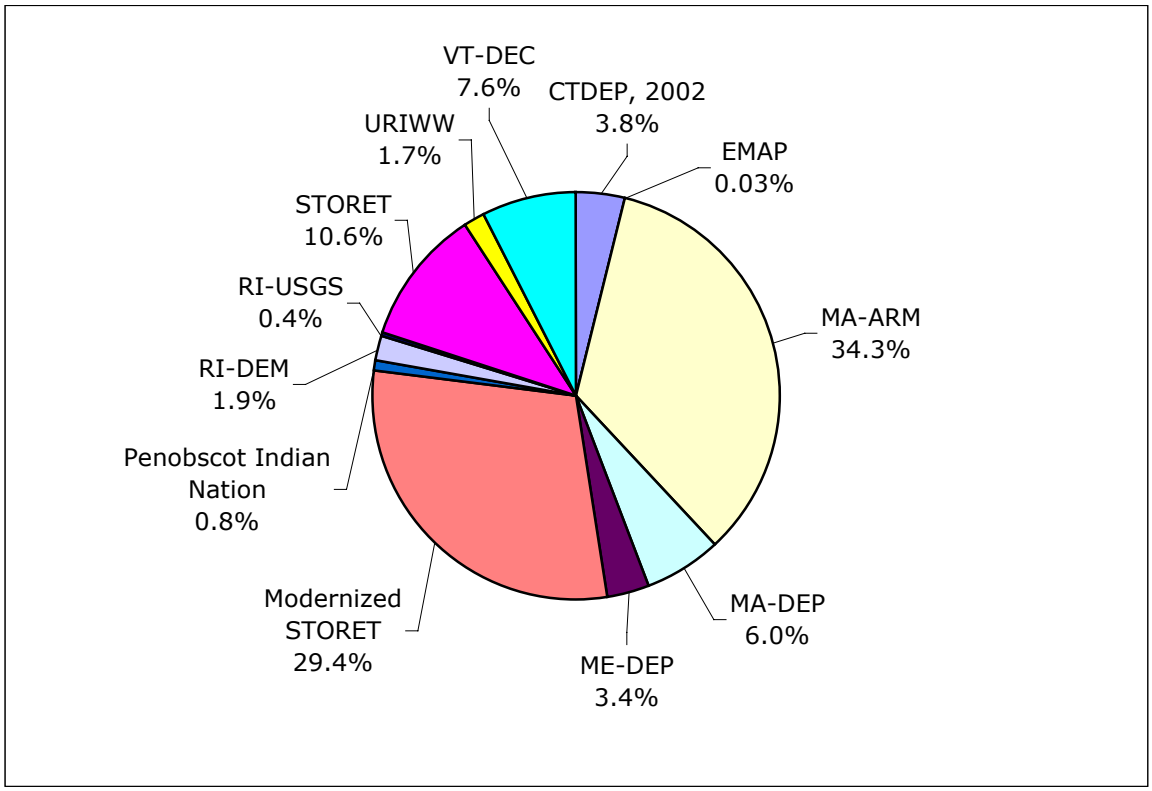
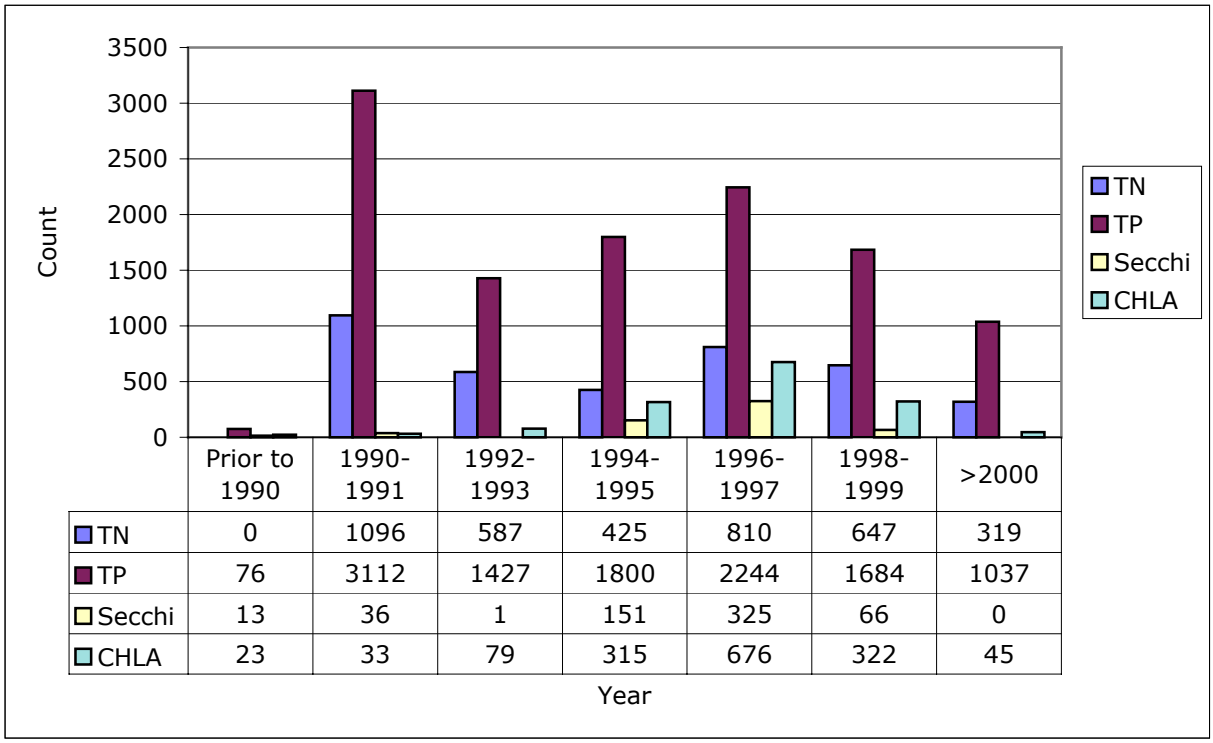


Figure 4-1. Distribution of water quality data in the initial database by source of data.



	Prior to 1990	1990-1991	1992-1993	1994-1995	1996-1997	1998-1999	>2000
TN	0	1096	587	425	810	647	319
TP	76	3112	1427	1800	2244	1684	1037
Secchi	13	36	1	151	325	66	0
CHLA	23	33	79	315	676	322	45

Figure 4-2. Distribution of records in the qualified database by year for selected parameters.

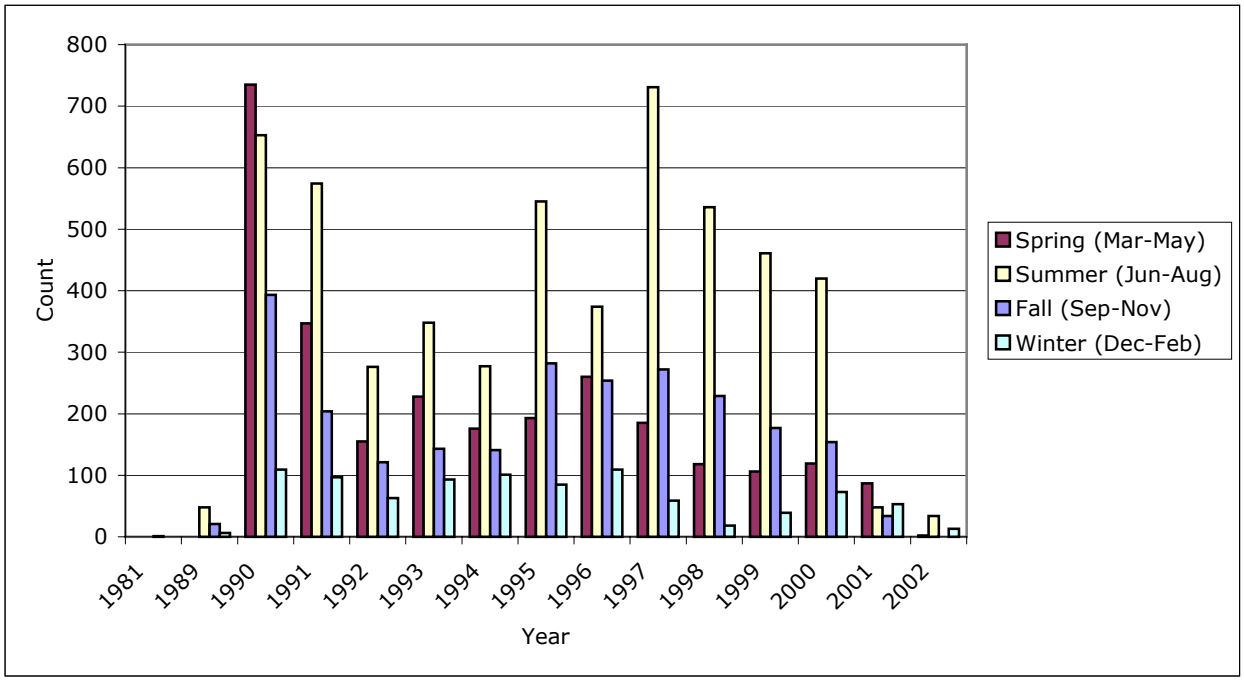


Figure 4-3: Seasonal distribution of total phsophorus records in the refined database.

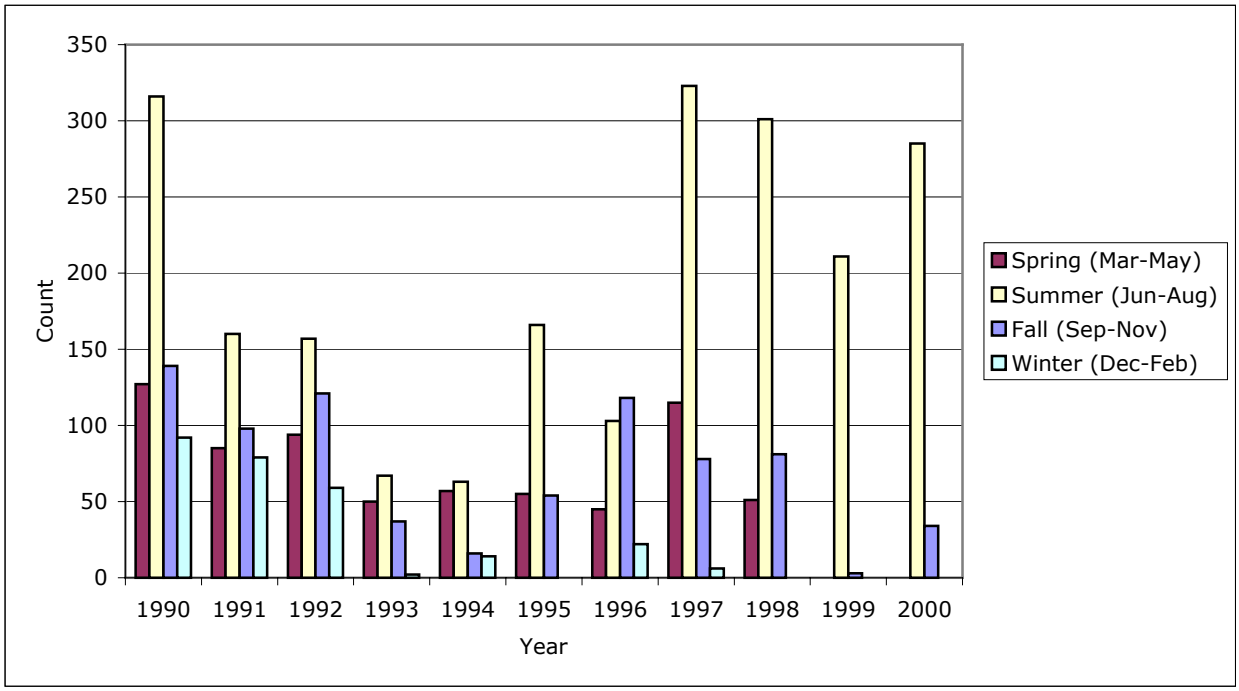
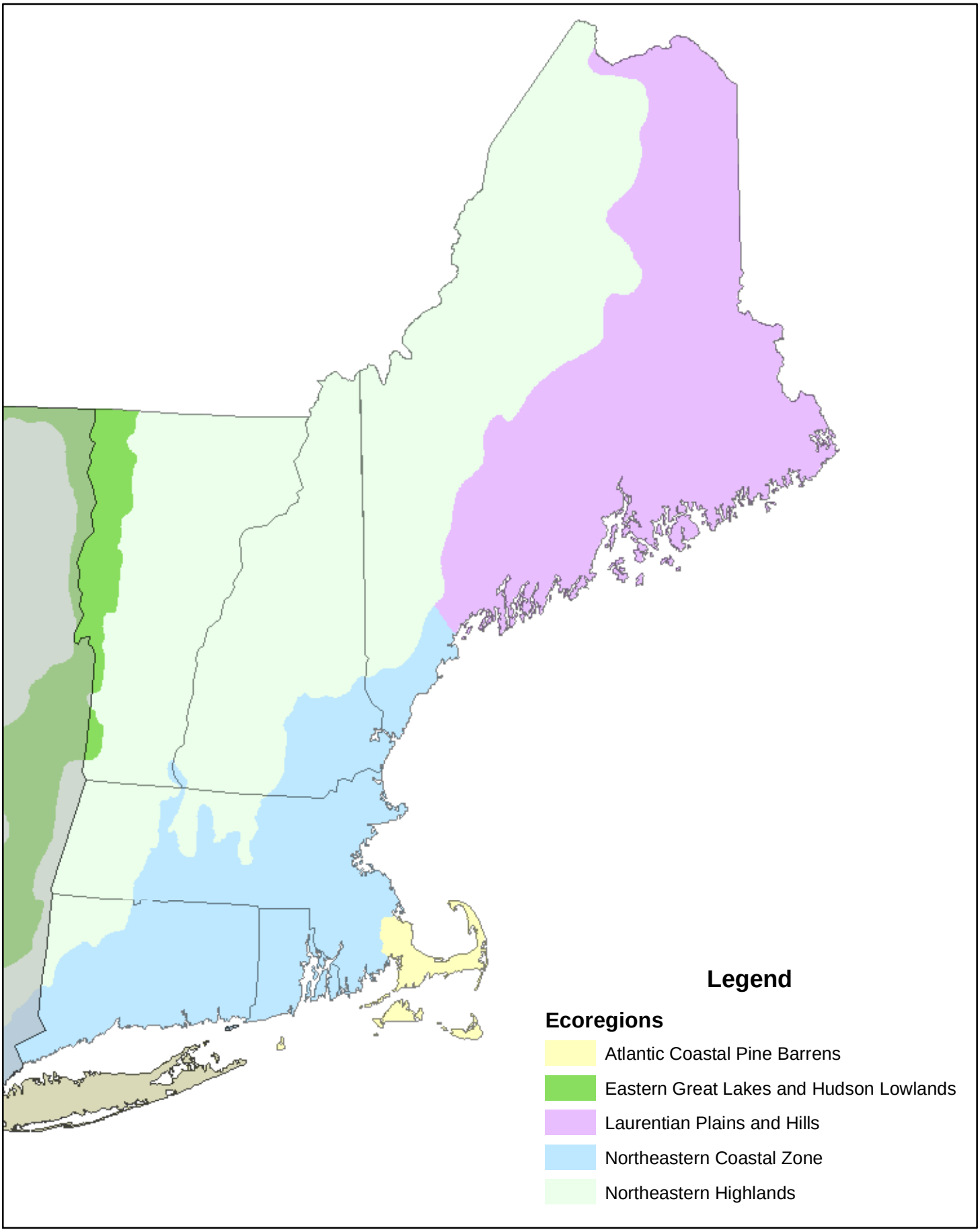


Figure 4-4. Seasonal distribution of total nitrogen records in the refined database.

Figure 4-5. New England Nutrients Ecoregions (EPA)



ENSR INTERNATIONAL

N

Miles
0 25 50 75

New England Nutrient Ecoregions

J:\Indl_Service\Project Files\NEIWPCC\4933001\200-Rivers\Data\GIS\March_2003\NewEngland_Stations.mxd

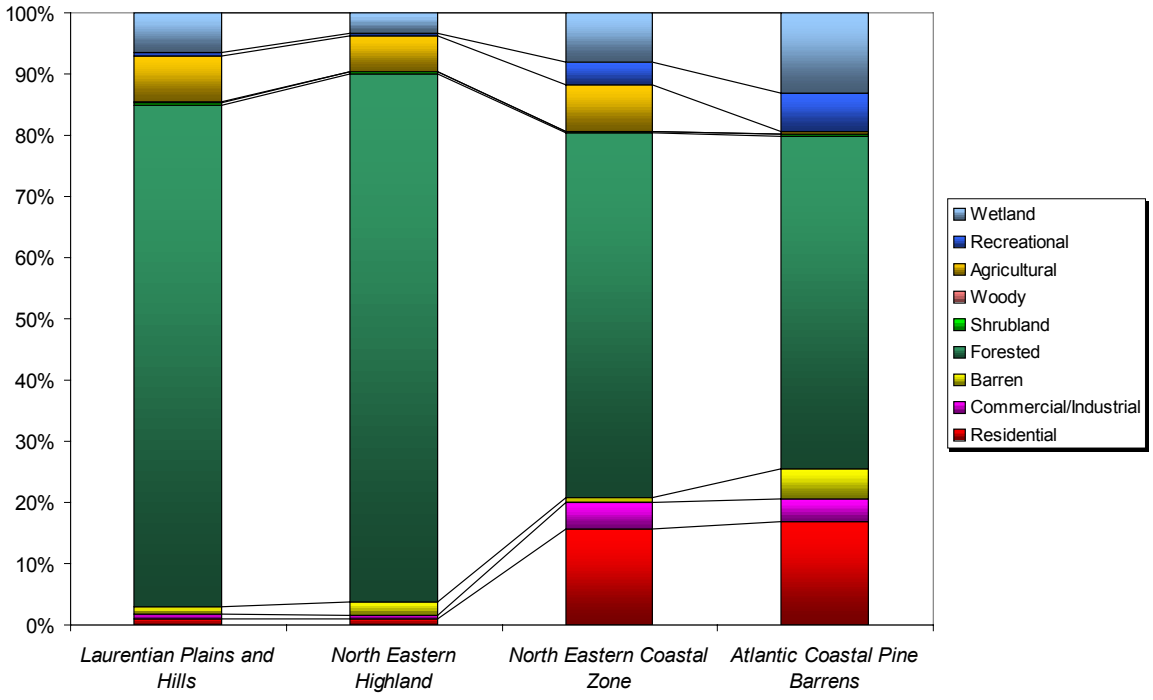


Figure 4-6 Comparison of Major New England Level 4 Ecoregions in terms of Land use.

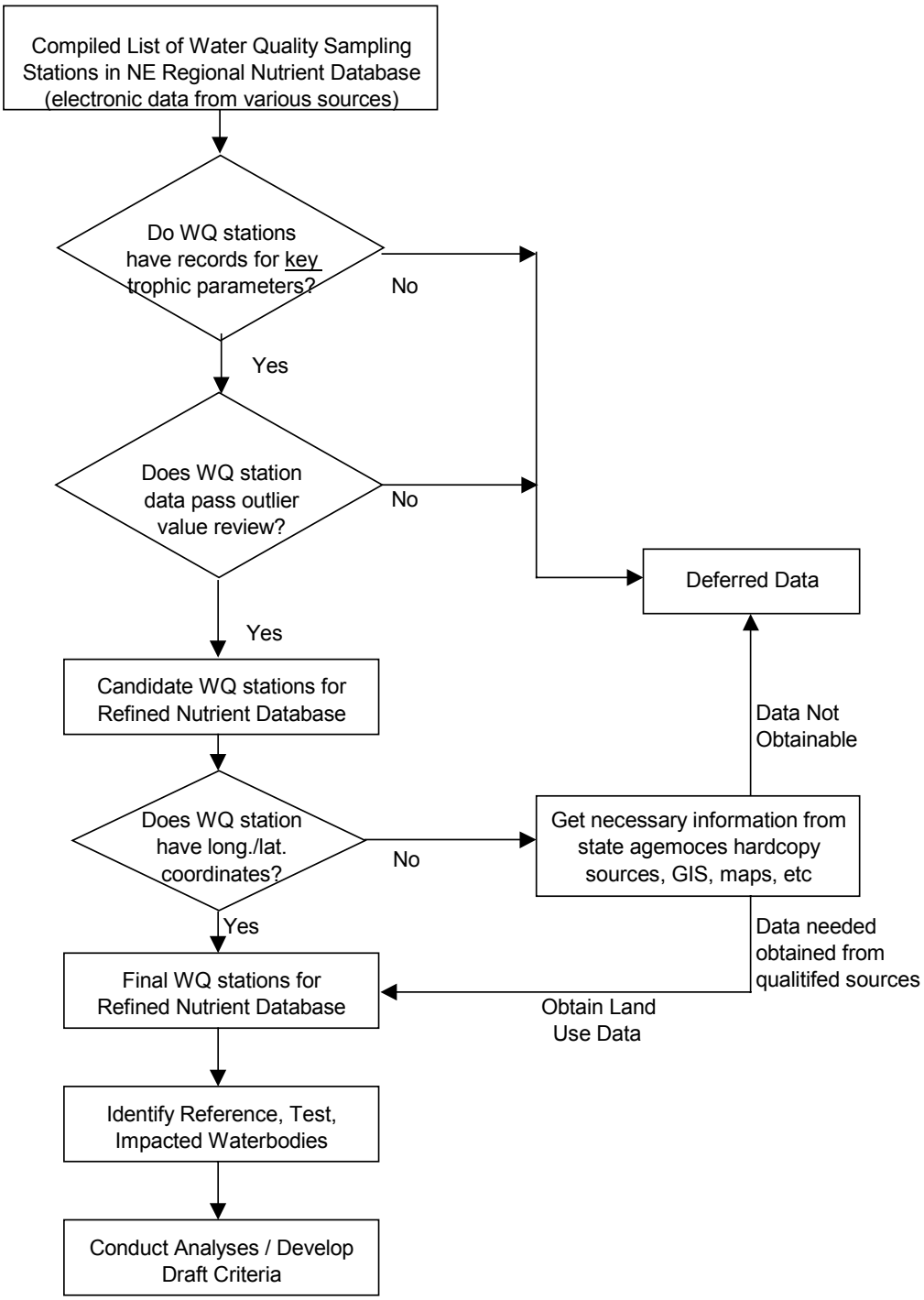


Figure 4-7. Flow Chart of WQ Sampling Location Selection for Refined NE Nutrient Database.

5.0 REFERENCES

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APPENDIX A

DATA SOURCES

Development of Nutrient Criteria - Review of Electronic Data Sources

State (if applicable): Connecticut
Agency: Department of Environmental Protection
Primary Contact: Michael Beauchene
Phone or e-mail: mike.beauchene@po.state.ct.us

Quality Assurance Checklist: Each data notation should include the following metadata information

I. Location and Description of Waterbody

		Comment:
Waterbody Name:	X	
Ecoregion:		
State:	X	
County:		
City/Town:	X	
Locale Type:		
Watershed or USGS HUC:		
Latitude:	X	
Longitude:	X	
River Reach/Mile or Stream Reach:		
Size of Waterbody:		
Salinity Condition (e.g. freshwater):		
Type of Waterbody (e.g. lake or reservoir):	X	
(Rivers) Waterbody Subtype:		
Average Depth of water:		
Maximum Depth of Water:		
Average width or diameter:		
Area in acres:		
Hydraulic Residence (or Flushing Rate)		
Stream Flow		
Velocity		
Human Impact to Shore:		
Human Impact on Watershed:		
Point Source:		
Non-Point Source:		
Description of Riparian Zone:		

II. Sampling Site Description

Water Depth:		
Sample Depth (location in Water Column):		
Depth Units:		
Station:	X	
Distance from Shore Sampling Code (A-F):		
Sampling Date & Time:	X	
Qualifiers:		

III. Source of data

Name of Contact:		
Agency Conducting the Study :		
Phone Number/ E-mail for Contact:		
Laboratory:		
Analysis Method :		
Sampling Method (Composite/Grab):		
Detection Limits:	X	Minimum detection limit

IV. Water quality data

Parameters: N, Organic; NH3-N; NO2-N; NO3-N; TKN; TP

State (if applicable): NA - National
Agency: EPA-EMAP
Primary Contact: Stephen Hale
Phone or e-mail: Hale.Stephen@epamail.epa.gov

Quality Assurance Checklist: Each data notation should include the following metadata information

I. Location and Description of Waterbody

		Comment:
Waterbody Name:	X	
Ecoregion:		
State:	X	
County:		
City/Town:		
Locale Type:		
Watershed or USGS HUC:	X	
Latitude:	X	
Longitude:	X	
River Reach/Mile or Stream Reach:		
Size of Waterbody:		
Salinity Condition (e.g. freshwater):		
Type of Waterbody (e.g. lake or reservoir):		
(Rivers) Waterbody Subtype:		
Average Depth of water:		
Maximum Depth of Water:		
Average width or diameter:		
Area in acres:		
Hydraulic Residence (or Flushing Rate)		
Stream Flow		
Velocity		
Human Impact to Shore:		
Human Impact on Watershed:		
Point Source:		
Non-Point Source:		
Description of Riparian Zone:		

II. Sampling Site Description

Water Depth:		
Sample Depth (location in Water Column):		
Depth Units:		
Station:	X	
Distance from Shore Sampling Code (A-F):		
Sampling Date & Time:	X	
Qualifiers:		

III. Source of data

Name of Contact:		
Agency Conducting the Study :		
Phone Number/ E-mail for Contact:		
Laboratory:		
Analysis Method :		
Sampling Method (Composite/Grab):		
Detection Limits:		

IV. Water quality data

Parameters: Alkalinity, acid neutralizing capacity, chla, color, conductivity, NH4, NO3, secchi disk transparency, SO4, TN, TP, TSS, turbidity.

Development of Nutrient Criteria - Review of Electronic Data Sources

State (if applicable): Massachusetts
Agency: Acid Rain Monitoring Project
Primary Contact: Paul Godfrey
Phone or e-mail: godfrey@tei.umass.edu

Quality Assurance Checklist: Each data notation should include the following metadata information

I. Location and Description of Waterbody

		Comment:
Waterbody Name:	X	
Ecoregion:		
State:	X	
County:	X	
City/Town:	X	
Locale Type:		
Watershed or USGS HUC:		
Latitude:	X	
Longitude:	X	
River Reach/Mile or Stream Reach:		
Size of Waterbody:		
Salinity Condition (e.g. freshwater):		
Type of Waterbody (e.g. lake or reservoir):	X	
(Rivers) Waterbody Subtype:		
Average Depth of water:		
Maximum Depth of Water:		
Average width or diameter:		
Area in acres:		
Hydraulic Residence (or Flushing Rate)		
Stream Flow		
Velocity		
Human Impact to Shore:		
Human Impact on Watershed:		
Point Source:		
Non-Point Source:		
Description of Riparian Zone:		

II. Sampling Site Description

Water Depth:		
Sample Depth (location in Water Column):		
Depth Units:		
Station:	X	
Distance from Shore Sampling Code (A-F):		
Sampling Date & Time:	X	
Qualifiers:		

III. Source of data

Name of Contact:		
Agency Conducting the Study :		
Phone Number/ E-mail for Contact:		
Laboratory:		
Analysis Method :		
Sampling Method (Composite/Grab):		
Detection Limits:		

IV. Water quality data

Parameters: Alkalinity, NO3, pH, SO4.

Development of Nutrient Criteria - Review of Electronic Data Sources

State (if applicable): Maine
Agency: Department of Environmental Protection
Primary Contact: Paul Mitnik
Phone or e-mail: Paul.Mitnik@maine.gov

Quality Assurance Checklist: Each data notation should include the following metadata information

I. Location and Description of Waterbody

		Comment:
Waterbody Name:	X	
Ecoregion:		
State:		
County:	X	
City/Town:	X	
Locale Type:	X	
Watershed or USGS HUC:		
Latitude:	X	
Longitude:	X	
River Reach/Mile or Stream Reach:		
Size of Waterbody:		
Salinity Condition (e.g. freshwater):		
Type of Waterbody (e.g. lake or reservoir):		
(Rivers) Waterbody Subtype:		
Average Depth of water:		
Maximum Depth of Water:		
Average width or diameter:		
Area in acres:		
Hydraulic Residence (or Flushing Rate)		
Stream Flow		
Velocity		
Human Impact to Shore:		
Human Impact on Watershed:		
Point Source:		
Non-Point Source:		
Description of Riparian Zone:		

II. Sampling Site Description

Water Depth:		
Sample Depth (location in Water Column):		
Depth Units:		
Station:	X	
Distance from Shore Sampling Code (A-F):		
Sampling Date & Time:	X	
Qualifiers:		

III. Source of data

Name of Contact:		
Agency Conducting the Study :		
Phone Number/ E-mail for Contact:		
Laboratory:		
Analysis Method :		
Sampling Method (Composite/Grab):		
Detection Limits:		

IV. Water quality data

Parameters: Alkalinity, bacteria, BOD5, BOD60, CBOD, CCHLA, CHLA, CHLB, CHLC, color, conductivity, DO, NBOD, NH3, NO2+NO3, NOX, pH, phaeophyton, PO4-P, Q, secchi disk transparency, TBOD, temperature, TKN, TP.

Development of Nutrient Criteria - Review of Electronic Data Sources

State (if applicable): New Hampshire
Agency: EPA, MODERNIZED STORET
Primary Contact: Anonymous for EPA; Gregg Comstock for NHDES
Phone or e-mail: STORET@epa.gov; gcomstock@des.state.nh.us

Quality Assurance Checklist: Each data notation should include the following metadata information

I. Location and Description of Waterbody

		Comment:
Waterbody Name:	X	
Ecoregion:		
State:	X	
County:		
City/Town:	X	
Locale Type:	X	
Watershed or USGS HUC:		
Latitude:	X	
Longitude:	X	
River Reach/Mile or Stream Reach:		
Size of Waterbody:		
Salinity Condition (e.g. freshwater):		
Type of Waterbody (e.g. lake or reservoir):		
(Rivers) Waterbody Subtype:		
Average Depth of water:		
Maximum Depth of Water:		
Average width or diameter:		
Area in acres:		
Hydraulic Residence (or Flushing Rate)		
Stream Flow		
Velocity		
Human Impact to Shore:		
Human Impact on Watershed:		
Point Source:		
Non-Point Source:		
Description of Riparian Zone:		

II. Sampling Site Description

Water Depth:		
Sample Depth (location in Water Column):		
Depth Units:		
Station:	X	
Distance from Shore Sampling Code (A-F):		
Sampling Date & Time:	X	Both date and time
Qualifiers:	X	

III. Source of data

Name of Contact:		
Agency Conducting the Study :		
Phone Number/ E-mail for Contact:		
Laboratory:		
Analysis Method :		
Sampling Method (Composite/Grab):	X	
Detection Limits:	X	

IV. Water quality data

Parameters: Alkalinity, aluminum, arsenic, BOD, BOD-UC, cadmium, calcium, chl-a, chloride, shromium, COD, copper, DO, DOS, Enterococcus, Eschericia coli, flow, gen_obs, hardness, iron, lead, manganese, nickel, Kjeldahl-N, NH3-N, NO3-N, pH, secchi disk transparency,selenium, specific conductance, fecal Streptococcus, sulfate, air temperature, water temperature, total coliform, total fecal coliform, TP, TS, TSS, turbidity, water appearance, weather comments, zinc.

Development of Nutrient Criteria - Metadata Review for Data Completeness

State (if applicable): Maine
Agency: Penobscot Indian Nation
Primary Contact: Dan Kusnierz
Phone or e-mail: pinwater@penobscotnation.org

Quality Assurance Checklist: Each data notation should include the following metadata information

I. Location and Description of Waterbody

		Comment:
Waterbody Name:	X	
Ecoregion:		
State:	X	
County:		
City/Town:		
Locale Type:	X	
Watershed or USGS HUC:		
Latitude:		
Longitude:		
River Reach/Mile or Stream Reach:		
Size of Waterbody:		
Salinity Condition (e.g. freshwater):		
Type of Waterbody (e.g. lake or reservoir):		
(Rivers) Waterbody Subtype:		
Average Depth of water:		
Maximum Depth of Water:		
Average width or diameter:		
Area in acres:		
Hydraulic Residence (or Flushing Rate)		
Stream Flow		
Velocity		
Human Impact to Shore:		
Human Impact on Watershed:		
Point Source:		
Non-Point Source:		
Description of Riparian Zone:		

II. Sampling Site Description

Water Depth:		
Sample Depth (location in Water Column):		
Depth Units:		
Station:	X	
Distance from Shore Sampling Code (A-F):		
Sampling Date & Time:	X	Date only
Analysis Date:		

III. Source of data

Name of Contact:	
Agency Conducting the Study :	
Phone Number/ E-mail for Contact:	
Laboratory:	
Analysis Method :	
Sampling Method (Composite/Grab):	
Detection Limits:	

IV. Water quality data

Parameters: Chl-a, conductivity, DOC, NH3, NO2, NO3, secchi disk transparency, temperature, TN, TP, TSS, turbidity.

Development of Nutrient Criteria - Review of Electronic Data Sources

State (if applicable): Rhode Island
Agency: Department of Environmental Management
Primary Contact: Connie Carey
Phone or e-mail: ccarey@doa.state.ri.us

Quality Assurance Checklist: Each data notation should include the following metadata information

I. Location and Description of Waterbody

		Comment:
Waterbody Name:	X	River name and ID
Ecoregion:		
State:	X	Inferred from source
County:		
City/Town:		
Locale Type:		
Watershed or USGS HUC:	X	Basin name
Latitude:	X	
Longitude:	X	
River Reach/Mile or Stream Reach:		
Size of Waterbody:		
Salinity Condition (e.g. freshwater):		
Type of Waterbody (e.g. lake or reservoir):		
(Rivers) Waterbody Subtype:		
Average Depth of water:		
Maximum Depth of Water:		
Average width or diameter:		
Area in acres:		
Hydraulic Residence (or Flushing Rate)		
Stream Flow		
Velocity		
Human Impact to Shore:		
Human Impact on Watershed:		
Point Source:		
Non-Point Source:		
Description of Riparian Zone:		

II. Sampling Site Description

Water Depth:		
Sample Depth (location in Water Column):		
Depth Units:		
Station:	X	Station name and location
Distance from Shore Sampling Code (A-F):		
Sampling Date & Time:	X	Date only
Qualifiers:		

III. Source of data

Name of Contact:		
Agency Conducting the Study :		
Phone Number/ E-mail for Contact:		
Laboratory:		
Analysis Method :		
Sampling Method (Composite/Grab):		
Detection Limits:	X	

IV. Water quality data

Parameters: Conductivity, DO, NH3, NO2+NO3-D, NO3, NO3-D, pH, temperature, TP, TSS

Development of Nutrient Criteria - Metadata Review for Data Completeness

State (if applicable): RI
Agency: USGS
Primary Contact:
Phone or e-mail:

Quality Assurance Checklist: Each data notation should include the following metadata information

I. Location and Description of Waterbody

		Comment:
Waterbody Name:	X	
Ecoregion:		
State:	X	
County:		
City/Town:		
Locale Type:		
Watershed or USGS HUC:		
Latitude:	X	
Longitude:	X	
River Reach/Mile or Stream Reach:		
Size of Waterbody:		
Salinity Condition (e.g. freshwater):		
Type of Waterbody (e.g. lake or reservoir):		
(Rivers) Waterbody Subtype:		
Average Depth of water:		
Maximum Depth of Water:		
Average width or diameter:		
Area in acres:		
Hydraulic Residence (or Flushing Rate)		
Stream Flow		
Velocity		
Human Impact to Shore:		
Human Impact on Watershed:		
Point Source:		
Non-Point Source:		
Description of Riparian Zone:		

II. Sampling Site Description

Water Depth:		
Sample Depth (location in Water Column):		
Depth Units:		
Station:	X	
Distance from Shore Sampling Code (A-F):		
Sampling Date & Time:	x	Date only
Analysis Date:		

III. Source of data

Name of Contact:		
Agency Conducting the Study :		
Phone Number/ E-mail for Contact:		
Laboratory:		
Analysis Method :		
Sampling Method (Composite/Grab):		
Detection Limits:		

IV. Water quality data

Parameters: DO, NH3, NO2+NO3-D, NO3, NO3-D, pH, temperature, TP.

State (if applicable): NA - National
Agency: EPA, STORET
Primary Contact: Dan Parker
Phone or e-mail: PARKER.DAN@epamail.epa.gov

Quality Assurance Checklist: Each data notation should include the following metadata information

I. Location and Description of Waterbody

		Comment:
Waterbody Name:	X	
Ecoregion:		
State:	X	
County:	X	
City/Town:	X	
Locale Type:	X	
Watershed or USGS HUC:	X	
Latitude:	X	
Longitude:	X	
River Reach/Mile or Stream Reach:		
Size of Waterbody:		
Salinity Condition (e.g. freshwater):		
Type of Waterbody (e.g. lake or reservoir):		
(Rivers) Waterbody Subtype:		
Average Depth of water:		
Maximum Depth of Water:		
Average width or diameter:		
Area in acres:		
Hydraulic Residence (or Flushing Rate)		
Stream Flow	X	
Velocity		
Human Impact to Shore:		
Human Impact on Watershed:		
Point Source:		
Non-Point Source:		
Description of Riparian Zone:		

II. Sampling Site Description

Water Depth:		
Sample Depth (location in Water Column):	X	
Depth Units:		Not in electronic file
Station:	X	Station ID and location description
Distance from Shore Sampling Code (A-F):		
Sampling Date & Time:	X	Both date and time
Qualifiers:		

III. Source of data

Name of Contact:	
Agency Conducting the Study :	
Phone Number/ E-mail for Contact:	
Laboratory:	
Analysis Method :	
Sampling Method (Composite/Grab):	
Detection Limits:	

IV. Water quality data

Parameters: DO, NH3+NH4, NO2, NO2+NO3, secchi disk transparency, temperature, TKN, TP, turbidity.

Development of Nutrient Criteria - Review of Electronic Data Sources

State (if applicable): Rhode Island
Agency: University of Rhode Island Watershed Watch
Primary Contact: Linda Green
Phone or e-mail: lgreen@uri.edu

Quality Assurance Checklist: Each data notation should include the following metadata information

I. Location and Description of Waterbody

		Comment:
Waterbody Name:	X	
Ecoregion:		
State:	X	
County:		
City/Town:		
Locale Type:		
Watershed or USGS HUC:		
Latitude:		
Longitude:		
River Reach/Mile or Stream Reach:		
Size of Waterbody:		
Salinity Condition (e.g. freshwater):		
Type of Waterbody (e.g. lake or reservoir):		
(Rivers) Waterbody Subtype:		
Average Depth of water:		
Maximum Depth of Water:		
Average width or diameter:		
Area in acres:		
Hydraulic Residence (or Flushing Rate)		
Stream Flow		
Velocity		
Human Impact to Shore:		
Human Impact on Watershed:		
Point Source:		
Non-Point Source:		
Description of Riparian Zone:		

II. Sampling Site Description

Water Depth:		
Sample Depth (location in Water Column):	X	For selected samples (others deep/shallow)
Depth Units:	X	Meters when available
Station:	X	Station ID and description
Distance from Shore Sampling Code (A-F):		
Sampling Date & Time:	X	Date only
Qualifiers:		

III. Source of data

Name of Contact:	
Agency Conducting the Study :	
Phone Number/ E-mail for Contact:	
Laboratory:	
Analysis Method :	
Sampling Method (Composite/Grab):	
Detection Limits:	

IV. Water quality data

Parameters: Chlorophyl-a, secchi disk transparency, TN, TP.

Development of Nutrient Criteria - Review of Electronic Data Sources

State (if applicable): Vermont
Agency: Department of Environmental Conservation
Primary Contact: Eric Smeltzer
Phone or e-mail: eric.Smeltzer@dec.anr.state.vt.us

Quality Assurance Checklist: Each data notation should include the following metadata information

I. Location and Description of Waterbody

		Comment:
Waterbody Name:	X	
Ecoregion:		
State:	X	
County:		
City/Town:		
Locale Type:		
Watershed or USGS HUC:	X	Basin ID
Latitude:	X	Coords in ddmmss
Longitude:	X	Coords in ddmmss
River Reach/Mile or Stream Reach:		
Size of Waterbody:		
Salinity Condition (e.g. freshwater):		
Type of Waterbody (e.g. lake or reservoir):		None. Inferred from name
(Rivers) Waterbody Subtype:		
Average Depth of water:		in meters
Maximum Depth of Water:		in meters
Average width or diameter:		
Area in acres:		Lake area in acres. Also basin area.
Hydraulic Residence (or Flushing Rate)		
Stream Flow	X	
Velocity		
Human Impact to Shore:		
Human Impact on Watershed:		
Point Source:		
Non-Point Source:		Landuse. Tributary data has nutrient loads
Description of Riparian Zone:		

II. Sampling Site Description

Water Depth:		
Sample Depth (location in Water Column):		Sampling depth provided
Depth Units:		No units indicated
Station:	X	Storet number provided.
Distance from Shore Sampling Code (A-F):		
Sampling Date & Time:	X	Both date and time
Qualifiers:		

III. Source of data

Name of Contact:		
Agency Conducting the Study :		
Phone Number/ E-mail for Contact:		
Laboratory:		
Analysis Method :	X	
Sampling Method (Composite/Grab):		
Detection Limits:		

IV. Water quality data

Parameters: Alkalinity, chl-a, DP, TCL, TN, TNOX, TP, TSS.

APPENDIX B

MAIN DATA TABLES

WATERBODY Table Structure

Key	Field Name	Data Type	Description
	Unique_NO	Number (Long)	Database waterbody sequence number
**	Waterbody_ID	Text	Unique waterbody identifier
	Waterbody_Name	Text	Waterbody name
	Waterbody_Type	Text	Waterbody type (link to table)
	Waterbody_Number	Text	Waterbody number in original source for data
	Waterbody_Description	Text	General description of waterbody
	State	Text	State
	Town	Text	Town
	County	Text	County
	Map	Text	Name of USGS quad map
	Lake_Elev	Number (Single)	Elevation of the lake (m)
	Coords_Latitude	Number (Double)	Latitude of lake center (decimal degrees)
	Coords_Longitude	Number (Double)	Longitude of lake center (decimal degrees)
	Epa_Ecoregion	Text	EPA Nutrient Ecoregion name
	Lake_Area	Number (Single)	Lake area (ha)
	Lake_Volume	Number (Single)	Lake volume (cu-m)
	Basin_Area	Number (Single)	Area of basin contributing to lake (ha)
	Lake_Max_Depth	Number (Single)	Lake maximum depth (m)
	Lake_Mean_Depth	Number (Single)	Lake mean depth (m)
	Runoff_Avg	Number (Single)	Average runoff
	Retention_Time	Number (Single)	Lake retention time (yrs)
	Wq_Classification	Text	Classification based on water quality
	Acidification_Cat	Text	Lake acidification category
	Lake_Size_Cat	Text	Lake size category (small, medium, large – as per EMAP)
	Lake_Trophic_Cat	Text	Lake trophic category (low, medium, high – as per EMAP)
	Lake_Population_Cat	Text	Lake population category (low, medium, high – as per EMAP)
	Geologic_Zone	Text	Name of geologic zone
	Tributary_Code	Text	River/stream tributary code
	Used	Text	Selected for refined database (yes/no)
	Scoring_Results	Number (Integer)	Scoring results for nutrient parameters (0-4)
	Designated Water Use	Text	Designated water use
	IMPAIRED_303d	Text	Listed on the 303d list
	WQEvaluation	Text	Qualitative general evaluation of water quality by state contacts
	Reference_Stats75	Text	Assessment based on 75th percentile from database (REF, TEST, IMP)
	Assessment	Text	Assessment by state contacts (REF, TEST, IMP)

Key	Field Name	Data Type	Description
	Assessment_Comments	Memo	Basis for the assessment
	Lu_Residential	Number (Double)	Residential land within 5 km buffer (%)
	Lu_Commercial	Number (Double)	Commercial land use within 5 km buffer (%)
	Lu_Barren	Number (Double)	Barren land fraction within 5 km buffer (%)
	Lu_Forested	Number (Double)	Forested land within 5 km buffer (%)
	Lu_Shrubland	Number (Double)	Shrubland land within 5 km buffer (%)
	Lu_Woody	Number (Double)	Woody land within 5 km buffer (%)
	Lu_Agricultural	Number (Double)	Agricultural land within 5 km buffer (%)
	Lu_Recreational	Number (Double)	Recreational land within 5 km buffer (%)
	Lu_Wetland	Number (Double)	Wetland land within 5 km buffer (%)
	Comments	Memo	General comments on waterbody

STATION Table Structure

Key	Field Name	Data Type	Description
**	Station_ID	Text	Database unique station identifier
	Waterbody_ID	Text	Waterbody (link to table)
	Location_Descrip	Memo	Brief description of location
	Latitude	Number (Double)	Latitude (decimal degrees)
	Longitude	Number (Double)	Longitude (decimal degrees)
	Elevation	Number (Double)	Elevation from MWL
	Locale_Type	Text	Type of locale (link to table)
	Locale_Name	Text	Town/city name
	County	Text	County name
	State	Text	State
	Agency_Station_ID	Text	Station ID used by monitoring agency
	Agency_Name	Text	Name of monitoring agency
	Station_Type	Text	Type of station
	Gis_Huc_Code	Text	Hydrologic Unit Code (8-digit) – from GIS
	Watershed_Name	Text	Name of watershed
	Waterbody_Subtype	Text	Waterbody subtype (link to table)
	Waterbody_Class	Text	Waterbody class
	Tributary_Code	Text	Tributary code
	Mileage	Number (Double)	River mile
	Rf3_Unit	Text	Reach File Unit
	Rf3_Code	Number (Integer)	Reach File Code
	Epa_Ecoregion	Text	EPA Nutrient Ecoregion name
	Riparian_Zone	Text	Riparian zone (link to table)
	Microecoregion	Text	50
	Human_Impact_Shoreline	Text	Human impact to shoreline (link to table)
	Point_Source_Impact	Text	Point source impact (link to table)
	Nonpoint_Source_Impact_ID	Text	Non-point source impact (link to table)
	Impact_Remarks	Text	Comments on impacts assessment
	Contact_Name	Text	Name of contact for station
	Contact_Phone	Text	Phone of contact for station
	Contact_Address	Text	Address of contact for station
	Flow_Mean	Number (Double)	Mean flow (7Q10)
	Data_Source	Text	Source of data for ancillary data on station
	Comments	Text	General comments on station

SAMPLE Table Structure

Key[1]	Field Name	Data Type	Description
	Sample_ID	Number (Long)	Sample ID database sequence number
**	Station_ID	Text	Station (link to Station table)
	Agency_SampleID	Text	Sample ID used by monitoring agency
	Agency_ID	Text	Monitoring agency
**	Sampling_Date	Date/Time	Sampling Date
**	Sampling_Time	Date/Time	Sampling Time (12:00 AM if missing)
**	Sampling_Method	Text	Sampling Method (link to table)
**	Sample_Type	Text	Sample type (link to table)
	Sampling_Conditions	Text	Sampling conditions (link to table)
**	Sample_Depth	Number (Double)	Depth of sample (-9999 if missing)
	WaterDepth	Number (Double)	Water depth at time of sampling
	DataSource	Text	Source the data was obtained from
	Comments	Text	Additional comments

[1] A combination of the StationID, Sampling Date, Sampling Time, Sampling Method, Sample Type, and Sample Depth fields is used to define a unique record.

WQDATA Table Structure

Key[1]	Field Name	Data Type	Description
	Wqdata_ID	Number (Long)	Database water quality data sequence number
**	SampleID	Number (Long)	Unique database sample ID
**	Parameter	Text	Parameter (link to table)
	Analysis_Date	Text	Date analyzed
	Analysis_Time	Text	Time analyzed
	Analysis_Method	Number (Long)	Analysis method (link to table)
	Analysis_Method_Remarks	Text	Remarks on analysis method
	Reported_Value	Number (Double)	Value reported
	Reported_Qualifier	Text	Qualifier (link to table)
	Unit_Of_Measure	Text	Unit
	Detection_Limit	Number (Double)	Reported detection limit
	Measurement_Uncertainty	Number (Double)	Uncertainty on measurement
	Data_Source	Text	Source the data was obtained from
	Comments	Text	General comment on the water quality data

[1] A combination of the SampleID and Parameter fields are used to define a unique record.