From:	William P. Short III
To:	Melissa_Grader@fws.gov
Cc:	Michael Mann (mmann@hullstreetenergy.com); Kevin Telford (ktelford@hullstreetenergy.com); Randall Osteen (rosteen@hullstreetenergy.com)
Subject:	Dwight LIHI Re-Certification
Date:	Thursday, October 10, 2019 5:31:00 PM
Attachments:	25_Indian Orchard Re-Certification -- FWS Response.pdf Pages from 01_Dwight Certification Application (1).pdf

---

Melissa,

I, on behalf of Central Rivers Power MA, LLC, am working on a Low Impact Hydropower Institute ("LIHI") Certification of Dwight Project (the "Project"). (Its FERC project number is P-10675). Accordingly, I am requesting an e-mail or letter from the United States Fish and Wildlife Service on the following aspects of the Project in order to determine if the Project meets the certification standards of LIHI:

- Flows
- Water Quality
- Fish/Wildlife Resources
- Threaten/Endangered Species

This letter or e-mail could take the form of your e-mail response of September 3, 2019 for Indian Orchard Project's LIHI Re-Certification Application.

As you may know, LIHI is requesting that agencies provide separate responses to each of the above aspects to each of the Project's Zones of Effect ("ZoE"). The Project's ZoEs are as follows:

- The Dwight Impoundment;
- The Dwight Bypassed Reach until the confluence with the tailrace and Chicopee River; and
- The Dwight Tailrace until the confluence with the bypassed reach and the Chicopee River.

I have currently collected over 40 supporting documents on the Project's certification that I am willing to share with you. Rather than just send you some or all of them, I have attached a list of these documents to my e-mail. Please free to review and let me know which of these documents you would like to see. In the near future, all of these supporting documents should be uploaded to the LIHI website. When this has been accomplished, I will send you an e-mail notification.

Please review my e-mail and, if you have any questions or concerns, please do not hesitate to contact me.

Bill Short

William P. Short III
Consultant
(917) 206-0001 Work
(201) 970-3707 Mobile
w.shortiii@verizon.net
P.O. Box 237173 (Mailing Address)
New York, New York 10023-7173
44 West 62nd Street (Street Address)
New York, New York 10023-7008

From:	William P. Short III
To:	"Slater, Caleb (FWE)"
Cc:	Michael Mann (mmann@hullstreetenergy.com); Kevin Telford (ktelford@hullstreetenergy.com); Randall Osteen (rosteen@hullstreetenergy.com)
Subject:	Dwight LIHI Certification
Date:	Thursday, October 10, 2019 5:59:00 PM
Attachments:	Indian Orchard Re-Certification -- MDFW Response.pdf Pages from 01_Dwight Certification Application (1).pdf

---

Caleb,

I, on behalf of Central Rivers Power MA, LLC, am working on a Low Impact Hydropower Institute ("LIHI") Certification of Dwight Project (the "Project"). (Its FERC project number is P-10675). Accordingly, I am requesting an e-mail or letter from the Massachusetts Division of Fisheries and Wildlife on the following aspects of the Project in order to determine if the Project meets the certification standards of LIHI:

- Flows
- Fish/Wildlife Resources

This letter or e-mail could take the form of your letter of September 4, 2019 for Indian Orchard Project's LIHI Re-Certification Application.

As you may know, LIHI is requesting that agencies provide separate responses to each of the above aspects to each of the Project's Zones of Effect ("ZoE"). The Project's ZoEs are as follows:

- The Dwight Impoundment;
- The Dwight Bypassed Reach until the confluence with the tailrace and the Chicopee River; and
- The Dwight Tailrace until the confluence with the bypassed reach and the Chicopee River.

I have currently collected over 40 supporting documents on the Project's certification that I am willing to share with you. Rather than just send you some or all of them, I have attached a list of these documents to my e-mail. Please free to review and let me know which of these documents you would like to see. In the near future, all of these supporting documents should be uploaded to the LIHI website. When this has been accomplished, I will send you an e-mail notification.

Please review my e-mail and, if you have any questions or concerns, please do not hesitate to contact me.

Bill Short

William P. Short III
Consultant
(917) 206-0001 Work
(201) 970-3707 Mobile
w.shortiii@verizon.net
P.O. Box 237173 (Mailing Address)
New York, New York 10023-7173
44 West 62nd Street (Street Address)
New York, New York 10023-7008

From:	William P. Short III
To:	Robert Kubit (robert.kubit@state.ma.us)
Cc:	Michael Mann (mmann@hullstreetenergy.com); Kevin Telford (ktelford@hullstreetenergy.com); Randall Osteen (rosteen@hullstreetenergy.com)
Subject:	Dwight LIHI Certification
Date:	Thursday, October 10, 2019 5:49:00 PM
Attachments:	Indian Orchard Re-Certification -- MDEP Response (DOC083019-002).pdf Pages from 01_Dwight Certification Application (1).pdf

---

Bob,

I, on behalf of Central Rivers Power MA, LLC, am working on a Low Impact Hydropower Institute ("LIHI") Certification of Dwight Project (the "Project"). (Its FERC project number is P-10675). Accordingly, I am requesting an e-mail or letter from the Massachusetts Department of Environmental Protection on the following aspects of the Project in order to determine if the Project continues to meet the certification standards of LIHI:

- Flows
- Water Quality

This letter or e-mail could take the form of your letter of August 30, 2019 for Indian Orchard Project's LIHI Re-Certification Application.

As you may know, LIHI is requesting that agencies provide separate responses to each of the above aspects to each of the Project's Zones of Effect ("ZoE"). The Project's ZoEs are as follows:

- The Dwight Impoundment;
- The Dwight Bypassed Reach until the confluence with the tailrace and the Chicopee River; and
- The Dwight Tailrace until the confluence with the bypassed reach and the Chicopee River.

I have currently collected over 40 supporting documents on the Project's certification that I am willing to share with you. Rather than just send you some or all of them, I have attached a list of these documents to my e-mail. Please free to review and let me know which of these documents you would like to see. In the near future, all of these supporting documents should be uploaded to the LIHI website. When this has been accomplished, I will send you an e-mail notification.

Please review my e-mail and, if you have any questions or concerns, please do not hesitate to contact me.

Bill Short

William P. Short III
Consultant
(917) 206-0001 Work
(201) 970-3707 Mobile
w.shortiii@verizon.net
P.O. Box 237173 (Mailing Address)
New York, New York 10023-7173
44 West 62nd Street (Street Address)
New York, New York 10023-7008

From: Grader, Melissa
To: William P. Short III
Cc: Michael Mann; Kevin Telford; Randall Osteen
Subject: Re: [EXTERNAL] RE: Indian Orchard LIHI Re-Certification
Date: Tuesday, September 3, 2019 9:01:52 AM

Hello Bill,

Due to workload and staffing constraints, I have not been able to respond to your request for LIHI comments. I am not sure when/if I will be able to.

Regards,

Melissa Grader
Fish and Wildlife Biologist
U.S. Fish and Wildlife Service - New England Field Office
103 East Plumtree Road
Sunderland, MA 01375
413-548-8002 x8124
melissa_grader@fws.gov

<*)))< <*)))< <*)))< <*)))<

On Mon, Sep 2, 2019 at 4:14 PM William P. Short III <w.shortiii@verizon.net> wrote:

> Melissa,
>
> I recently received a response letter from Bob Kubit on the water quality and flows of the Indian Orchard Project for each of its ZoEs. Since I have not received anything yet from USFWS, I was wondering if I could speak with you about where this request is pending.
>
> Bill Short

William P. Short III
Consultant
(917) 206-0001 Work
(201) 970-3707 Mobile
w.shortiii@verizon.net
P.O. Box 237173 (Mailing Address)
New York, New York 10023-7173
44 West 62nd Street (Street Address)
New York, New York 10023-7008

From: William P. Short III <w.shortiii@verizon.net>
Sent: Sunday, July 7, 2019 12:37 PM
To: Melissa_Grader@fws.gov
Cc: Michael Mann (mmann@hullstreetenergy.com) <mmann@hullstreetenergy.com>; Kevin Telford (ktelford@hullstreetenergy.com) <ktelford@hullstreetenergy.com>; Randall Osteen (rosteen@hullstreetenergy.com) <rosteen@hullstreetenergy.com>
Subject: Indian Orchard LIHI Re-Certification

Melissa,

I, on behalf of Central Rivers Power MA, LLC, am working on a Low Impact Hydropower Institute ("LIHI") Re-Certification of Indian Orchard Project (the "Project"). (Its LIHI certificate number is 112 while its FERC project number is P-10678). Accordingly, I am requesting an e-mail or letter from the United States Fish and Wildlife Service on the following aspects of the Project in order to determine if the Project continues to meet the certification standards of LIHI:

- Flows
- Water Quality
- Fish/Wildlife Resources
- Threaten/Endangered Species
-

This letter or e-mail could take the form of your e-mail response of November 6, 2018 for Red Bridge Project's LIHI Re-Certification Application.

As you may know, LIHI is requesting that agencies provide separate responses to each of the above aspects to each of the Project's Zones of Effect ("ZoE"). The Project's ZoEs are as follows:

- The Indian Orchard Impoundment;
- The Indian Orchard Bypassed Reach until the confluence with the tailrace and Chicopee River;
- The Indian Orchard Tailrace until the confluence with the bypassed reach and the Chicopee River.
-

I have currently collected over 110 supporting documents on the Project's re-certification that I am willing to share with you (57 documents from the Re-Certification application and 54 documents from the initial Certification application). Rather than just send you some or all of them, I have attached lists of these documents to my e-mail. Please free to review and let me know which of these documents you would like to see. In the near future, all of these supporting documents should be uploaded to the LIHI website. When this has been accomplished, I will send you an e-mail notification.

Please review my e-mail and, if you have any questions or concerns, please do not hesitate to contact me.

Bill Short

William P. Short III
Consultant
(917) 206-0001 Work
(201) 970-3707 Mobile
w.shortiii@verizon.net
P.O. Box 237173 (Mailing Address)
New York, New York 10023-7173
44 West 62nd Street (Street Address)
New York, New York 10023-7008

MASSWILDLIFE

DIVISION OF
FISHERIES & WILDLIFE

1 Rabbit Hill Road, Westborough, MA 01581
p: (508) 389-6300 | f: (508) 389-7890
MASS.GOV/MASSWILDLIFE

September 4, 2019

William P. Short III
w.shortiii@verizon.net

RE: LIHI Re-Certification of Indian Orchard Project FERC #10678

Dear Bill,

The Department of Fish and Game ("DFG") hereby submits the following comments on the Low Impact Hydropower Institute's ("LIHI") pending application for the proposed LIHI re-certification of the Indian Orchard Project (FERC No. 10676) located on the Chicopee River in the Town of Ludlow and City of Springfield in Hampden County, Massachusetts, at approximate river mile 7.8 on the Chicopee River:

DFG is submitting these comments to LIHI in order to fulfill the requirements of the Massachusetts Department of Energy Resources ("DOER") Renewable Energy Portfolio Standard Regulations (225 CMR 14.00; "RPS I" and 225 CMR 15.00; "RPS II"). The RPS I and RPS II regulations were promulgated by DOER on January 1, 2009 and require that any hydroelectric project wishing to qualify as either a RPS I or RPS II generator first obtain LIHI certification. These regulations also require all relevant regulatory agencies to comment on the pending LIHI application.

In response to your inquiries about LIHI re-certification:

1. **Minimum Flows in Bypassed Reach to the confluence with the tailrace and Chicopee River**
   The minimum flow for this reach is 247 cfs or inflow if less. The Massachusetts Division of Fisheries and Wildlife (MassWildlife) has no record that the Project has operated in non-compliance of the Project's minimum flow.

2. **Minimum Flows of Indian Orchard Impoundment or Tailrace to the confluence with the bypassed reach and the Chicopee River**
   MassWildlife is unaware of any minimum flow requirement for Indian Orchard impoundment or the tailrace to the confluence with the bypassed reach and the Chicopee River. Therefore, MassWildlife expresses no position on these minimum flows and any associated LIHI requirements for these flows.

3. **Upstream Fish Passage of the Bypassed Reach to the confluence with the tailrace and Chicopee River, Indian Orchard Impoundment or Tailrace to the confluence with the bypassed reach and the Chicopee River.**
   There is no current requirement for upstream fish passage at the project and none is installed. However, the FERC exemption requires that once upstream fish passage is determined to be necessary (by MassWildlife and/or other relevant Federal or Massachusetts agencies) the Project Owner shall install acceptable upstream fish passage within two years. Given the Project

has no upstream fish passage requirements at this time, MassWildlife finds that the Project is in compliance with its FERC-mandated requirements for upstream fish passage.

4. **Downstream Fish Passage of the Bypassed Reach to the confluence with the tailrace and Chicopee River, Indian Orchard Impoundment or Tailrace to the confluence with the bypassed reach and the Chicopee River.**
   There is no current requirement for downstream fish passage at the project and none is installed. However, the FERC exemption requires that once downstream fish passage is determined to be necessary (by MassWildlife and/or other relevant Federal or Massachusetts agencies) the Project Owner shall install acceptable downstream fish passage within two years. Given the Project has no downstream fish passage requirements at this time, MassWildlife finds that the Project is in compliance with its FERC-mandated requirements for downstream fish passage.

Please let me know if you need anything further.

Caleb Slater, PhD
Anadromous Fish Project Leader
Massachusetts Division of Fisheries and Wildlife
1 Rabbit Hill Road, Westborough, MA 01581
p: (508) 389-6331 | e: Caleb.Slater@state.ma.us

Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

Central Regional Office • 627 Main Street, Worcester MA 01608 • 508-792-7650

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Matthew A. Beaton
Secretary

Martin Suuberg
Commissioner

William P. Short III
On behalf of Central Rivers Power MA, LLC
P.O. Box 237173
New York, New York 10023-7173

August 30, 2019

Re: Request for Water Quality Status
Indian Orchard Project, FERC #10678

Dear Mr. Short,

In order to achieve certification from the Low Impact Hydropower Institute, Central Rivers Power MA, LLC seeks a letter from the Massachusetts Department of Environmental Protection (Department) that discusses the water quality and the minimum flows at the Indian Orchard impoundment, bypassed reach and tailrace.

Water Quality of Indian Orchard Impoundment
The Department does not possess water quality data collected at the Project site, however the Department does have data collected in the Project vicinity and believes the presence of wet weather combined sewer overflows upstream of the Project is likely the cause for this segment of the Chicopee River (MA36-24) to require a TMDL for fecal coliform. The Department believes the Project does not cause nor contribute to the presence of fecal coliform in the Project area.

The Department does not expect the Project to cause or contribute to violations of state Water Quality Standards due to water chemistry.

Water Quality of Indian Orchard Bypassed Reach to the Confluence with the Tailrace and Chicopee River
The Department does not possess water quality data collected at the Project site, however the Department does have data collected in the Project vicinity and believes state Water Quality Standards for water chemistry are met. The Department believes the Project does not cause nor contribute to any state Water Quality Standards violations.

This information is available in alternate format. Contact Michelle Waters-Ekanem, Director of Diversity/Civil Rights at 617-292-5751.
TTY# MassRelay Service 1-800-439-2370
MassDEP Website: www.mass.gov/dep

Printed on Recycled Paper

Water Quality of Indian Orchard Tailrace to the Confluence with the Bypassed Reach and the Chicopee River

The Department does not possess water quality data collected at the Project site, however the Department does have data collected in the Project vicinity and believes state Water Quality Standards for water chemistry are met. The Department believes the Project does not cause nor contribute to any state Water Quality Standards violations.

Minimum Flows of Indian Orchard Bypassed Reach to the Confluence with the Tailrace and Chicopee River

The Department understands that the minimum flow is 247 cfs or inflow, if less, that this flow has been established based upon the actual drainage area of the Chicopee River watershed and that the Applicant has filed in 2017, 2018 and 2019 documentation with FERC certifying compliance with this minimum flow requirement for 2016, 2017 and 2018, respectively. In addition, the Department understands that the Project finalized, filed with the FERC and then received an Order Accepting the Project's Minimum Flow and Impoundment Fluctuation Monitoring Plan in late 2012. We have no record that the Project has operated in non-compliance of the Project's minimum flow since 2011. Based on the foregoing, the Department believes the Project complies fully with its FERC-mandated minimum flow requirement.

Minimum Flows of Indian Orchard Impoundment and/or Tailrace to the Confluence with the Bypassed Reach and the Chicopee River

The Department is unaware of any minimum flow requirement for Indian Orchard impoundment or the tailrace to the confluence with the bypassed reach and the Chicopee River. Accordingly, the Department expresses no position on these ZoEs' minimum flows and any such associated requirements for these ZoEs.

If you have any questions, please contact me at 508-767-2854.

Sincerely,

Robert Kubit, P.E.
MA Department of Environmental Protection
8 New Bond Street
Worcester MA 01606
robert.kubit@state.ma.us

cc: Caleb Slater, MADFW
Melissa Grader, USFWS

Massachusetts Year 2016 Integrated List of Waters

Proposed Listing of the Condition of Massachusetts' Waters Pursuant to Sections 305(b), 314 and 303(d) of the Clean Water Act

CN 470.0

Commonwealth of Massachusetts
Executive Office of Energy and Environmental Affairs
Matthew A. Beaton, Secretary
Massachusetts Department of Environmental Protection
Martin Suuberg, Commissioner
Bureau of Water Resources
Douglas E. Fine, Assistant Commissioner

NOTICE OF AVAILABILITY

This report is available via the Massachusetts Department of Environmental Protection's (MassDEP) website: http://www.mass.gov/eea/agencies/massdep/water/watersheds/total-maximum-daily-loads-tmdls.html

DISCLAIMER

References to trade names, commercial products and manufacturers in this report does not constitute endorsement.

Cover photo: Blackstone River, Millville, MA by Therese Beaudoin

Massachusetts Year 2016 Integrated List of Waters

Proposed Listing of the Condition of Massachusetts' Waters Pursuant to Sections 305(b), 314 and 303(d) of the Clean Water Act

Prepared by:

Massachusetts Division of Watershed Management
Watershed Planning Program

CN: 470.0

June, 2017

Massachusetts Department of Environmental Protection
Division of Watershed Management
Watershed Planning Program
8 New Bond Street
Worcester, Massachusetts 01606

(This page intentionally left blank)

Table of Contents

List of Tables and Figures

List of Acronyms and Abbreviations

ADB	Assessment Database
AU	Assessment Unit
AUID	Assessment Unit Identifier
ATTAINS	Assessment and TMDL Tracking and Implementation System
AWQC	Ambient Water Quality Criteria
BMPs	Best Management Practices
CALM	Consolidated Assessment and Listing Methodology
CAMIS	Coastal and Marine Inventory System
CAPS	Conservation Assessment and Prioritization System
CPP	Continuing Planning Process
CSOs	Combined Sewer Overflows
CWA	Clean Water Act
CWMP	Comprehensive Wastewater Management Plan
DCR	Massachusetts Department of Conservation and Recreation
DFG	Massachusetts Department of Fish and Game
DMF	Massachusetts Division of Marine Fisheries
DPH	Massachusetts Department of Public Health
DQOs	Data Quality Objectives
DWM-WPP	Division of Watershed Management-Watershed Planning Program
EEA	Massachusetts Executive Office of Energy and Environmental Affairs
EPA	U.S. Environmental Protection Agency
GIS	Geographic Information Systems
IBI	Index of Biological Integrity
IEI	Index of Ecological Integrity
IUP	Intended Use Plan
IR	Integrated Report
LIS	Long Island Sound
MassDEP	Massachusetts Department of Environmental Protection
MassGIS	Massachusetts Geographic Information System
MEP	Massachusetts Estuaries Project
MS4	Municipal Separate Stormwater Sewer Systems
MyRWA	Mystic River Watershed Association
NEIWPCC	New England Interstate Water Pollution Control Commission
NHD	National Hydrography Dataset
NPDES	National Pollutant Discharge Elimination System
NPS	Nonpoint Source
ORW	Outstanding Resource Water
OWOW	Office of Wetlands, Oceans and Watersheds
PALIS	Pond and Lake Information System
PPA	Performance Partnership Agreement
QC	Quality Control
QAPP	Quality Assurance Project/Program Plan
RBP	Rapid Bioassessment Protocols
SARIS	Stream and River Inventory System
SLAM	Site-level Assessment Methodology
SMAST	UMass-Dartmouth School of Marine Science and Technology
SRF	Massachusetts State Revolving Fund

SWMI	Sustainable Water Management Initiative
SWQS	Surface Water Quality Standards
TMDL	Total Maximum Daily Load
UBWPAD	Upper Blackstone Water Pollution Abatement District
USGS	U.S. Geological Survey
WBP	Watershed-based Plan
WLA	Waste Load Allocation
WMA	Water Management Act
WPA	Wetlands Protection Act
WWTP	Wastewater Treatment Plant

(This page intentionally left blank)

INTRODUCTION

The Federal Water Pollution Control Act of 1972 and subsequent Amendments in 1977, 1981 and 1987 are collectively known as the Clean Water Act (CWA). The objective of this statute is to restore and maintain the chemical, physical, and biological integrity of the Nation's waters. As one step toward meeting this goal each state must administer a program to monitor and assess the quality of its surface and groundwater and provide periodic status reports to the U.S. Environmental Protection Agency (EPA), the U.S. Congress, and the public. S. 305(b) of the CWA codifies the process whereby waters are evaluated with respect to their capacity to support designated uses as defined in each of the states' surface water quality standards (SWQS). These uses include aquatic life support, fish and shellfish consumption, drinking water supply, and primary (e.g., swimming) and secondary (e.g., boating) contact-recreation. The 305(b) process entails assessing each of these uses for rivers, lakes and coastal waters. Causes and sources of impairment are identified wherever possible.

S. 303(d) of the CWA and the implementing regulations at 40 CFR 130.7 require states to identify those water bodies that are not expected to meet SWQS after the implementation of technology-based controls and to prioritize and schedule them for the development of total maximum daily loads (TMDLs). A TMDL establishes the maximum amount of a pollutant that may be introduced into a water body and still ensure attainment and maintenance of water quality standards. Furthermore, a TMDL must also allocate that acceptable pollutant load among all potential sources. The formulation of the 303(d) *List of Impaired Waters* (303(d) List) includes a more rigorous public review and comment process than does reporting under s. 305(b), and the final version of the list must be formally approved by the EPA.

Prior to 2002 states prepared and submitted to the EPA both a biennial *Summary of Water Quality Report* in accordance with the requirements of s. 305(b) as well as a separate s. 303(d) List. On November 19, 2001 the EPA released guidance for the preparation of an optional *Integrated List of Waters* that would combine reporting elements of both ss. 305(b) and 303(d) of the CWA. This Integrated Report (IR) format allows states to provide the status of all their assessed waters in a single, multi-part list.

States choosing this option can list each Assessment Unit (AU) (i.e., water body or segment thereof) in one of the following five categories (Note: Massachusetts' IR category titles have been modified slightly from the EPA guidance and Category 4 has been divided into subcategories -- see text for explanation):

1) Unimpaired and not threatened for all designated uses;
2) Unimpaired for some uses and not assessed for others;
3) Insufficient information to make assessments for any uses;
4) Impaired or threatened for one or more uses, but not requiring the calculation of a TMDL; or
5) Impaired or threatened for one or more uses and requiring a TMDL.

The Massachusetts Department of Environmental Protection (MassDEP) has modified the above wording of the category titles contained in the EPA guidance, and Category 4 has been divided into three sub-categories, as explained later in this report. Nonetheless, waters listed in Category 5 constitute the 303(d) List and, as such, are to be reviewed and approved by the EPA. The remaining four categories are submitted in fulfillment of the requirements under s. 305(b), essentially replacing the old 305(b) report format. The MassDEP prepared IRs in accordance with EPA guidance every other year from 2002 through 2014. The EPA subsequently approved each of these. The final approved version of the *Massachusetts 2014 Integrated List of Waters* (2014 IR) (MassDEP 2015a) and EPA approval documents, can be found at http://www.mass.gov/eea/agencies/massdep/water/watersheds/total-maximum-daily-loads-tmdls.html.

A memorandum entitled "Information Concerning 2016 Clean Water Act Sections 303(d), 305(b) and 314 Integrated Reporting and Listing Decisions" (August 13, 2015) from Benita Best-Wong, Director of the EPA's Office of Wetlands, Oceans and Watersheds (OWOW), to that agency's regional Water Division Directors recommends that states prepare their 2016 IRs consistent with previous EPA IR guidance, including EPA's 2006 IR Guidance, which is supplemented by EPA's 2008, 2010, 2012, 2014 and 2016 IR memoranda. The

2016 IR guidance, along with all of EPA's clarifying guidance pertaining to s. 303(d) reporting can be accessed at http://www.epa.gov/tmdl/integrated-reporting-guidance.

Following the completion of the 2014 reporting cycle, the MassDEP made substantial improvements to the process by which water body assessments are carried out. These revisions are embodied in the *Massachusetts Consolidated Assessment and Listing Methodology (CALM) Guidance Manual for the 2016 Reporting Cycle* (MassDEP 2016a) which represents the first major revision of the CALM since it was first published in 2012 (MassDEP 2012). New enhancements to the CALM include a description of how new kinds of data and information, such as long-term dissolved oxygen and temperature data, are used to make assessments, and clarification on the use of response indicators for assessing impairments associated with nutrients.

This report opens with some descriptive statistics pertaining to the surface water resources of Massachusetts, followed by a brief analysis of the costs and benefits of clean water, and an overview of MassDEP's water quality management program. Next, a general description of the methods used to assess and categorize the use-attainment status of Massachusetts' waters is presented. Water quality issues of special concern in Massachusetts are also briefly discussed. A section entitled "Prioritizing Waters for TMDL Development" is included that reflects the most recent schedule for completing TMDLs negotiated between MassDEP and the EPA as part of their Performance Partnership Agreement (PPA). Following this introductory material, all of Massachusetts' assessed water bodies (i.e., AUs) are presented by major watershed (see Figure 1) in individual tables corresponding to the IR categories defined above. Finally, appendices are provided to assist the reader in navigating the multi-part list. Appendix 1 presents a description of every AU included in the IR and indicates the list category in which each AU appears. Appendices 2 and 3 list the impairments *added to* and *removed from* categories 5 and 4c of the IR for 2016.

MASSACHUSETTS SURFACE WATER ATLAS

The Commonwealth of Massachusetts ranks 45th out of the 50 states in surface area (approx. 8,300 sq mi of dry land and inland water combined), yet its estimated (2014) 6,745,408 inhabitants place it 14th in population (US Census Bureau 2015). More than 75 percent of the population resides in the eastern one-third of the state.

Massachusetts encompasses two geological provinces: the Coastal Plain and the New England Upland. Cape Cod and the Islands form the coastal plain and consist of low hills and plains covering unconsolidated sediments that form the most productive aquifers in the state. The New England Upland province consists of till and stratified drift above metamorphic and igneous rocks, and provides small productive aquifers. Groundwater is used for water supply in small communities and almost exclusively on Cape Cod and the Islands. Surface water is the major source of water supply for all the major urban areas in the state, since no other source is capable of meeting these demands. Surface water in the state is relatively plentiful and of high quality, but it is not distributed in proportion to the distribution of the population. Two thirds of Massachusetts' residents depend upon surface water for their needs. The Massachusetts Water Resources Authority supplies communities in the greater Boston area (about half the state usage of surface water) from Quabbin and Wachusett reservoirs in the central uplands.

Annual precipitation averages about 44 inches and is fairly evenly distributed throughout the state. Average annual evaporation of free water surfaces ranges from about 26 inches in Western Massachusetts to about 28 inches in the eastern half of the state. Yearly runoff ranges from about 20 inches in Cape Cod to about 32 inches in the northwestern corner of the state. The lowest runoff generally occurs during July, August and September. Runoff is highest in March in the eastern sections of the state and April in the western sections and at higher elevations.

A summary of general surface water resource statistics for Massachusetts is provided in Table 1. Massachusetts incorporates all or a portion of nine major drainage systems – Hudson, Housatonic,

Connecticut, Thames, Narragansett Bay, Mount Hope Bay, Boston Harbor, Merrimack and Coastal – that, in turn, comprise 33 smaller river basins (i.e., watersheds) and coastal drainage areas that generally serve as the fundamental planning units of Massachusetts' surface water monitoring, assessment and management programs described throughout this report (see Figure 1).

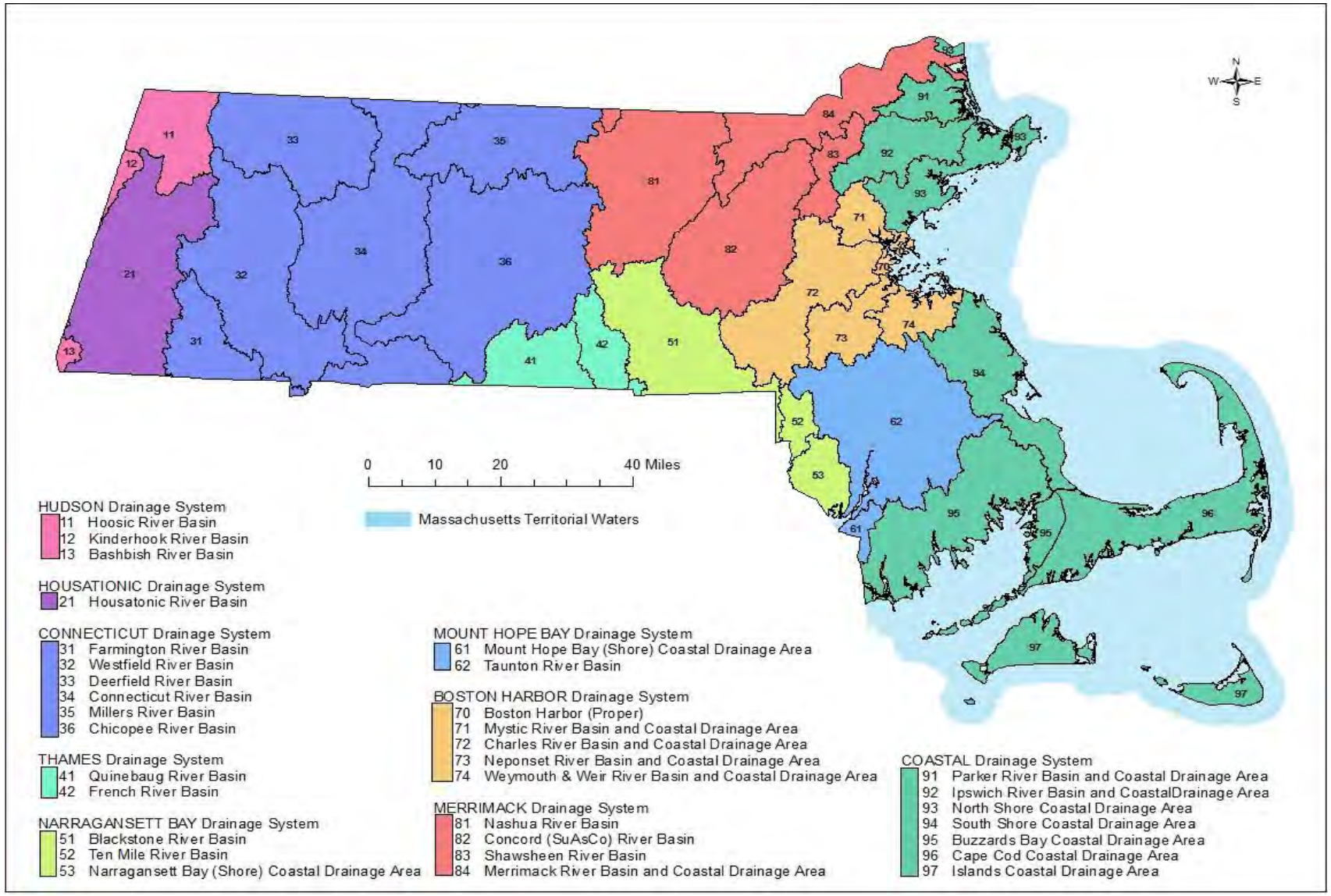
Table 1. Surface Water Atlas for Massachusetts.

Water Type [Scale] (units)	Value	Data Source*
Rivers [1:24,000]		
Perennial river/streams (miles)	10,033	UMass NHD Hydrography Project[1]
Intermittent streams (miles)	3,684	UMass NHD Hydrography Project[1]
Ditches and Canals (miles)	202	UMass NHD Hydrography Project[1]
Lakes [1:25,000]		
Number of Lakes and Ponds >= 5 acres	2,622	MassGIS - MassDEP Hydrography[2]
Area of Lakes and Ponds >= 5 acres (acres)	153,514	MassGIS - MassDEP Hydrography[2]
Number of Lakes and Ponds < 5 acres	24,479	MassGIS - MassDEP Hydrography[2]
Area of Lakes and Ponds < 5 acres (acres)	15,506	MassGIS - MassDEP Hydrography[2]
Coastal Waters [1:25,000]		
Coastal Waters (square miles)	2,726	MassGIS – MassDFG Designated Shellfish Growing Areas[3]
Total Tidal Shoreline (miles)	1,519	U.S. Coast and Geodetic Survey[4]
Wetlands [1:5,000]		
Marine and Estuarine Wetlands (acres)	107,525	MassDEP Wetlands Program[5,6]
Freshwater Vegetated Wetlands (acres)	467,331	MassDEP Wetlands Program[5,7]
Total Area of Wetlands (acres)	574,856	MassDEP Wetlands Program

***Data Sources (See General References in Bibliography):**

[1] Rees et al. 2010
[2] MassGIS 2010
[3] MassGIS 2015
[4] NOAA 1975, Maietta 1984, Gil 1985
[5] 2005 wetlands map layer (in preparation)
[6] does not include 34,777 acres of eel grass pasture
[7] open water and agricultural cranberry bogs excluded

Figure 1. Major drainage systems, river basins (i.e., watersheds) and coastal drainage areas of Massachusetts with their unique Stream and River Inventory System (SARIS) code numbers, as assigned by Halliwell et al. 1982. These river basins and coastal drainage areas serve as the fundamental planning units of MassDEP's surface water monitoring, assessment and management programs.



COSTS AND BENEFITS OF CLEAN WATER

The benefits to society of clean water can hardly be over-stated. Adequate supplies of clean water are essential to the survival and propagation of fish, shellfish and other aquatic life, as well as terrestrial vegetation and wildlife and the humans that rely on these organisms for food. Furthermore, humanity's dependence on clean water for domestic, industrial and recreational purposes is placing ever-increasing demands on limited water supplies. While the value to society of maintaining clean water is intuitive and fairly easily understood in a qualitative sense, a comprehensive economic analysis of the benefits of clean water can be far-reaching and complex. Sometimes it is useful to turn the question around: "What is the cost to society, in terms of public health, economics or other factors, of NOT achieving sound water quality conditions?" For example, drinking water contaminated with pathogens is estimated to sicken 20 million Americans each year (Reynolds *et al.* 2008). The Centers for Disease Control estimates that the cost of hospitalizations for waterborne diseases could exceed $500 million annually (CDC 2010), and in 2005, U.S. consumers paid over $50 million for bottled water in response to drinking water contamination (Zivin, *et al.* 2011).

Property values for single-family homes have been shown to decrease by up to 10% due to their proximity to polluted water ways (Braden *et al.* 2006). In 2007, the State of New Hampshire reported that a decrease in water clarity or purity would result in a loss of $51 million in sales, $18 million in income, and 810 jobs due to decreased recreation (Nordstrom 2007). Finally, Dodds *et al.* (2009) evaluated the economic impacts of human-induced eutrophication on US freshwaters and estimated that $2.2 billion are lost annually in recreational usage, waterfront property values, water treatment costs and spending on the recovery of threatened and endangered species.

An analysis such as this typically involves comparing the costs of maintaining or restoring water quality with the socioeconomic benefits realized when the desired water quality condition is achieved. In a strict sense, this "cost-benefit analysis" has an underlying premise that a threshold exists beyond which the cost to attain the use may exceed the benefit gained, but this most certainly has implications for resources such as air and water that are essential to life on this planet. And, whereas it is possible to assign monetary costs to the construction and operation of water and wastewater treatment facilities or other activities aimed at restoring water quality, it is often more difficult to predict the value of the benefit gained from achieving water quality goals. Typically, these gains are measured by indicators such as increases in the number of fishing licenses sold, decreases in the number of shellfish bed or beach closures, or increases in property values associated with good quality waters. The aesthetic value placed on clean water, on the other hand, is more difficult to measure economically and may vary considerably from one person to the next. Another significant factor limiting the utility of this kind of analysis is the lack of data and information pertaining to the impacts of water pollution on public health and the economy. For example, the incidence of water-borne illnesses associated with swimming in contaminated waters goes largely unreported, making the resultant savings in health costs associated with the cleanup of those waters, to say nothing of the human suffering, difficult to estimate.

A complete assessment of the socioeconomic costs and benefits associated with restoring and maintaining the integrity of Massachusetts' waters is beyond the scope of this report. Nonetheless, a few examples of the financial commitments made to the protection and restoration of water resources, and the value of selected enterprises relying on those resources, can serve to illustrate the magnitude of the socioeconomic affects of clean water. The most significant financial commitment to the protection and restoration of water resources is the funding, through the State Revolving Fund (SRF) of both wastewater collection and treatment infrastructure and drinking water treatment and distribution systems. In 2015 approximately $246 million and $81 million in funding were allocated for wastewater and drinking water infrastructure, respectively (MassDEP *et al*. 2015). This program, along with its predecessor Construction Grants Program, represents the single largest financial commitment to clean water in Massachusetts and is estimated to be over $8 billion from 1968 to the present.

The construction grant and loan programs are by no means the only sources of capital used to ensure clean water. Private industries and institutions pay for the installation and operation of wastewater treatment and pre-treatment facilities. Furthermore, water and wastewater infrastructure will not do the job alone. For

example, the management of nonpoint sources (NPS) of pollution is best accomplished through the implementation of best management practices (BMPs) and responsible land use, so resources are needed to increase public awareness and stewardship. NPS pollution reductions through the application of BMPs are a cost-effective alternative to mechanical water treatment. Practicing water conservation instead of building and operating a water filtration plant can treat drinking water at one fifth of the cost. Planting, or improving, forest buffers instead of building and operating a wastewater treatment plant can reduce nitrogen inputs for less than half the cost. Constructed wetlands can treat wastewater at one sixth the cost of conventional treatment methods. Wetlands in the Boston area have been shown to provide $42,000 worth of flood protection per acre (EPA 2012). The CWA s. 319 addresses the identification and management of nonpoint sources of pollution and provides grant monies for the implementation of BMPs and public education programs. Many other agencies, as well as non-governmental organizations, such as private institutions, watershed associations and citizen environmental advocacy groups, commit time and financial support to educating the public and promoting behaviors that will lead to cleaner waters in Massachusetts. It is difficult, however, to put a price tag on all of this good work.

As stated earlier, it is even more challenging to estimate the magnitude of the economic benefit associated with clean water than it is the costs of achieving clean water. Economic benefits from clean water in Massachusetts are reflected in data and information on sport and commercial fisheries, recreation in and on the water, tourism, and property values. The following statistics may help to illustrate the extent of these benefits, but they are by no means comprehensive or complete. The US Fish and Wildlife Service and US Census Bureau (2013) reported that 532,000 recreational anglers fished a total of 8.3 million days in Massachusetts in 2011. Associated expenditures were $455 million dollars. This includes food, lodging, transportation, fishing gear and associated equipment, licenses and fees, etc.

More recent information pertaining to revenues generated through the sale of fishing licenses and shellfishing permits in Massachusetts is summarized in the 2014 annual reports of the Massachusetts Division of Fisheries and Wildlife and Division of Marine Fisheries, respectively. Sales of freshwater fishing licenses exceeded $2.9 million in FY2014, while over $1.9 million in permit fees were collected from commercial fishermen, fish and shellfish dealers and other marine fisheries permittees.

The marine finfish and shellfish harvests for 2014 grossed in excess of $500 million (MADFG 2014a). Because most finfish and shellfish species that comprise this commercial catch rely on near-shore waters and river estuaries for all or a portion of their lifecycles, the quality of freshwaters and their watersheds has a direct effect on the health of the offshore fishery. Reductions in ground stocks of commercially valuable fishes have been documented in the waters off New England for several years now, and this serious problem is likely attributed to a combination of environmental degradation, over-fishing and other factors that are difficult to quantify. Therefore, it is difficult to predict with certainty the direct monetary benefits to the commercial fishery from various steps taken to achieve clean water in Massachusetts' watersheds and coastal waters. Nonetheless, it stands to reason that a recovery in Massachusetts' marine fisheries cannot be accomplished if clean water is not restored and maintained in those near-shore waters. The Massachusetts Estuaries Project is currently addressing several water quality issues as they pertain to near-shore waters (see http://www.oceanscience.net/estuaries/index.htm)

The Massachusetts tourism industry brought in $19.5 billion in direct spending in 2014 that generated $1.2 billion in state and local taxes (see http://www.massvacation.com/travel-trade/stats-facts/stats-reports-2/#economic). It is assumed that two-thirds of this travel was for leisure and that a substantial number of tourists were involved with water-related activities such as swimming, boating, fishing and viewing wildlife. Furthermore, much of Massachusetts' cultural history centers on its waterways that provided food and transportation to its' endemic people and early settlers and hydropower and navigation during the industrial revolution. The aesthetic value of these waters and associated sites of interest is enhanced immeasurably by clean water. Again, although not quantified here, it is evident that the Massachusetts travel industry benefits directly from clean water and that ongoing pollution abatement will result in further economic gains for tourism. Finally, several studies have concluded that clean water has a positive effect on adjacent property values. For example, a study in Maine (Michael *et al*. 1996) demonstrated that lakefront properties were up to $200 higher per frontage foot when water quality was good. Similarly, others have shown that

water clarity is essential to the enjoyment of lakes and ponds and that people are willing to pay to ensure that clean water is maintained. See, for example, Krysel et al. 2003.

In summary, a detailed analysis of the socioeconomic benefit of clean water to Massachusetts' residents would be complex and time-consuming and would be better undertaken as a separate study. Nonetheless, from the examples presented, it should be evident that the restoration and maintenance of clean water, while not inexpensive, result in enormous benefit to the economy and quality of life in Massachusetts.

AN OVERVIEW OF THE MASSACHUSETTS WATER QUALITY MANAGEMENT PROGRAM

The Continuing Planning Process

Section 303(e) of the CWA and the implementing regulations at 40 CFR 130.5 require each state to establish and maintain a continuing planning process (CPP) that defines and documents the implementation of a comprehensive water quality management program. While the format of the CPP is left to the discretion of the state, it must address, at a minimum, nine essential processes or water quality management program elements required by the CWA. The EPA is responsible for periodically reviewing the adequacy of each state's CPP, and cannot approve any permit program under Title IV of the CWA for any state which does not have an approved CPP.

Massachusetts first documented its water quality management program in a CPP report in 1973. Five subsequent revisions, completed during the period 1976 - 1990, followed guidance presented in the *State Continuing Planning Process Handbook,* published in 1975 by the EPA. Massachusetts' CPP documents included descriptions of the SWQS, water quality monitoring and assessment programs, river basin (s. 303e) and area-wide (s. 208) wastewater planning, TMDLs and waste load allocation (WLA), and NPS pollution control.

As time went on, most of the information presented in the CPP documents was also presented, often in more detail, in separate reports required by the EPA as part of the annual EPA-State Performance Partnership Agreements (PPA), and less emphasis was placed on the periodic production of a separate CPP document. For example, ongoing revisions to the SWQS classified Massachusetts' surface waters, designated beneficial uses, assigned criteria that were to be attained in order to support those uses, and specified antidegradation provisions. In addition, 305b reports presented the status of Massachusetts' surface waters with respect to their designated use attainment, and the 303(d) lists presented waters impaired by pollutants and set priorities for deriving TMDLs for those waters. In 2002 these two reporting requirements were combined into one IR format, and this report, prepared every two years, includes descriptions of most of the program elements called for in EPA's CPP guidance. Finally, Massachusetts prepares periodic updates to its Nonpoint Source Management Plan (NPS Plan), and is developing guidance for the production of individual watershed-based plans (WBP) that are a prerequisite for funding nonpoint pollution control projects in accordance with s. 319 of the CWA.

In summary, the CPP refers to the ongoing administration, by the MassDEP, of a comprehensive water quality management program, as mandated by the CWA. It should be thought of as a system of program elements aimed at establishing SWQS, monitoring and assessing waters, deriving WLAs and TMDLs, and planning and implementing measures to restore impaired waters. While this program was described in a separate document in the past, this information is now provided within the context of the EPA-State PPA and associated reporting elements and deliverables.

Surface Water Quality Standards

The establishment of achievable goals for surface waters is fundamental to their restoration and protection. To this end, states adopt water quality standards that ascribe these goals in the form of beneficial uses that are assigned to specific defined water bodies. For example waters may be designated for the support of aquatic life, recreational use, and fish and shellfish consumption. Water quality standards also

specify criteria that water bodies must meet in order to support their assigned uses. Criteria may be expressed as numerical values that should not be exceeded in ambient water, such as the geometric mean of all *E. coli* samples shall not exceed 126 colonies per 100 mililiters (ml), or a minimum instream dissolved oxygen concentration of 5 miligrams per liter (mg/l). Alternatively, water quality standards may include narrative statements that waters shall be free from constituents in concentrations that would impair their intended uses.

The Massachusetts SWQS are found at 314 CMR 4.00 and are available online at http://www.mass.gov/eea/agencies/massdep/water/regulations/314-cmr-4-00-mass-surface-water-quality-standards.html. The SWQS assign all inland and coastal and marine waters to classes according to the intended beneficial uses of those waters. For example Class A waters are waters designated as a source of public water supply and their tributaries. They should also be suitable for supporting aquatic life, recreational uses such as swimming and boating and fish consumption. Class B waters are not water supplies, but are designated for all of the other uses cited above for Class A. Finally, Class C waters should be suitable for aquatic life and recreational uses where contact with the water is incidental, such as boating and fishing, but may not be suitable for swimming, diving or water skiing. Inland waters are also subcategorized as to fishery type (cold water fishery, warm water fishery or aquatic life) based on their natural capacity to support these resources. Likewise, Massachusetts' coastal and marine waters are assigned to classes (i.e., SA, SB and SC) that distinguish shellfish harvesting and recreational uses while providing suitable habitat for wildlife, fish and other aquatic life. In all cases, minimum criteria (e.g., dissolved oxygen, temperature, etc.) are specified for each class based on the most sensitive use designated to that class. Additional criteria that apply to all surface waters are also included in the SWQS.

Some waters are designated for special protection under the antidegradation provisions of the SWQS. These provisions restrict or prohibit the authorization of wastewater discharges to critical resource waters. Most notable is the Outstanding Resource Water (ORW) designation that applies to all Class A waters and certain Class B, Class SA and Class SB waters. These waters exhibit exceptional socio-economic, recreational, ecological and/or aesthetic qualities. ORWs include, but are not limited to, Class A public water supplies and their bordering vegetated wetlands, and vernal pools certified as such by the DFG. Other waters designated as ORWs may include those protected by special legislation, as well as selected waters found in national parks, state forests and parks, or areas of critical environmental concern.

The adoption of water quality standards is a public process and the CWA specifies that states hold public hearings at least once every three years (i.e., triennial review) to review and, where appropriate, revise their water quality standards. The MassDEP adopted the most recent revisions to the SWQS on December 29, 2006. These were subsequently submitted to the EPA for review in January 2007, and on March 26, 2007 the EPA approved some revisions while indicating that the remaining revisions proposed by the MassDEP were still under review. In September 2007, the EPA approved an additional set of the revisions adopted in 2006. With no updates to the Massachusetts SWQS in almost a decade, the MassDEP is planning to make some limited revisions to the SWQS in 2017 with a more comprehensive triennial review to be initiated soon thereafter. The proposed revisions for 2017 include: an update to the bacteria criteria as recommended by the EPA in 2012, a revision to the method for assessing the existing aluminum criteria, and the removal of previously adopted site-specific criteria that were not approved by EPA. Since 2002, EPA has issued several recommended ambient water quality criteria (AWQC) that have not yet been reviewed or included in the Massachusetts SWQS. The CWA, as amended in 2015, requires states to review EPA recommended criteria, and either adopt EPA's recommendations or develop equivalent alternatives into their water quality standards. MassDEP is in the process of reviewing all of EPA's AWQC guidance documents in anticipation of the next triennial review.

From this brief overview it should be evident that the process of assessing surface waters (305b) and listing impairments (303d) is inextricably linked to the SWQS, as they define the uses that are to be evaluated for any given water body as well as the criteria for determining whether or not those uses are, in fact, supported. Furthermore, revisions to the SWQS from one triennial review to the next may alter the methodology used to make assessment and listing decisions, and resulting changes to that methodology would be reflected in the next revision of the CALM document.

Monitoring and Assessment – Rivers, Lakes and Estuaries

Most elements of the MassDEP's existing surface water monitoring program are administered by personnel of the Division of Watershed's Watershed Planning Program (DWM-WPP), and an overview of this program can be found at http://www.mass.gov/eea/agencies/massdep/water/watersheds/water-quality-monitoring-program.html. Current and proposed surface water monitoring program elements are also presented in *DRAFT A Strategy for Monitoring and Assessing the Quality of Massachusetts' Waters to Support Multiple Water Resource Management Objectives 2016 - 2025* (the Monitoring Strategy) (MassDEP 2015b). The ultimate goal embodied in the Monitoring Strategy is to implement a comprehensive monitoring program that serves all water quality management needs and addresses all water body types. As such, the monitoring program is designed to provide data and information from streams, rivers, lakes, reservoirs, estuaries, coastal areas and wetlands to support the five major objectives listed below.

1) Assess the status or condition of Massachusetts' waters
2) Develop, implement and evaluate pollution control strategies
3) Develop policies and standards and identify emerging issues
4) Measure the effectiveness of water quality management programs
5) Maintain reserve monitoring capacity to respond to unforeseen data needs

Major themes inherent in both the MassDEP's water management programs and the monitoring elements that support them are 1) the focus on the watershed as the fundamental planning unit for water quality management, 2) the assessment of biological communities, such as aquatic macroinvertebrates and fish, as the most reliable indicators of water quality conditions and ecosystem health, 3) the application of new technology and streamlined systems for data processing and analysis to support monitoring and assessment activities, and 4) the formation and reliance on partnerships and collaboration to meet water quality goals.

Watershed protection is the dominant theme of many state water quality management programs, and the EPA has endorsed this approach by providing financial and technical support for watershed-based water quality management activities. Details pertaining to the watershed approach to managing Massachusetts' water resources can be found at http://www.mass.gov/eea/agencies/massdep/water/watersheds/the-watershed-management-approach.html. In 1993 the major watersheds and coastal drainage areas in Massachusetts were placed on a rotating five-year schedule to synchronize several components of its water management program. These watersheds were regrouped on a regional basis in 2010 to take advantage of potential benefits to monitoring survey logistics of more closely aligned watersheds (see http://www.mass.gov/eea/agencies/massdep/water/watersheds/adjustments-to-surface-water-monitoring-program.html).

Today, the watershed remains the fundamental planning unit utilized by MassDEP's water management program elements. However, the execution of all of the steps in the watershed management process, including many monitoring and assessment activities, within a five-year time frame has proven to be difficult. The practice of watershed management is inherently complex, resource-intensive and time-consuming and project demand often outpaces available funding and other resources. Therefore, while MassDEP's water management program continues to progress in a stepwise fashion to restore impaired waters and protect waters that meet water quality standards, in practice these steps are typically not completed within a five-year timeframe as originally conceived. Nonetheless, it is a goal of the Monitoring Strategy to continue to carry out some monitoring activities in accordance with a rotating watershed schedule, subject to the availability of personnel and other resources.

Massachusetts' water monitoring programs include both deterministic (targeted) and probabilistic (random) sampling networks and encompass both rotating watershed monitoring cycles as well as non-rotating, priority-driven schedules. The EPA encourages states to adopt networks of randomly selected sampling sites that will allow for statistically unbiased assessments that can be applied at larger scales

(e.g., statewide). Because statistically-valid inferences can be drawn for an entire population of water bodies by monitoring a set of sites randomly selected from that population, a probabilistic design can achieve the goal of reporting in s. 305(b) reports the status of all waters without actually having to monitor them all. MassDEP recently completed a multi-year probabilistic survey of wadable streams and is proposing to apply a similar sampling design to lakes and ponds during 2016 – 2018.

In addition to the state-scale statistical monitoring described above, the MassDEP performs deterministic or targeted monitoring to obtain the data and information needed to assess the condition of site-specific water bodies and wetlands, assess specific designated uses such as fish consumption, identify causes and sources of impairments in all water body types, and to develop, implement and measure the effectiveness of control strategies, such as TMDLs, watershed-based plans, wastewater discharge permitting under the National Pollutant Discharge Elimination System (NPDES) and BMPs.

Results of the MassDEP's monitoring efforts, combined with all other credible data and information, constitute the basis for making water quality assessment and listing decisions in accordance with the requirements set forth in ss. 305(b) and 303(d) of the CWA. Details pertaining to the assessment process are presented in the 2016 CALM Guidance Manual (see "Integrated Assessment and Listing of Massachusetts' Waters" later in this report). Use-attainment determinations are made for each water body segment for which adequate data and information are available. However, many waters are not assessed for one or more uses in any given assessment cycle, and many small and unnamed streams and ponds have never been monitored and assessed. In the past, individual use assessment decisions, along with supporting water quality data and information, were documented in individual watershed assessment reports. These are listed in the Bibliography and are available for all of Massachusetts' watersheds and coastal drainage areas at http://www.mass.gov/eea/agencies/massdep/water/watersheds/water-quality-assessments.html. It should be noted, however, that these reports may no longer represent the most recent assessments completed by the MassDEP for these watersheds. Following the 2012 integrated reporting cycle the MassDEP discontinued the publication of individual watershed assessment reports in order to streamline the process and complete the assessments in a more timely fashion. Currently, the assessment status of Massachusetts' waters is reported through the application of EPA's Assessment Database (ADB). The ADB is a relational database that stores water quality assessment information for individual AUs (i.e., lakes, river and coastal waters), including use attainment decisions, and causes and sources of impairment. The ADB was designed to improve the quality and consistency of water quality reporting, improve water quality data analysis, and reduce the burden of preparing reports under ss. 305(b), 303(d), 314 and 319 of the CWA. Following EPA's approval of the 303(d) List, the assessment and listing decisions are made available through an ArcGIS 10 geodatabase file and its supporting shapefiles and databases that can be downloaded from the MassGIS website (see "Consolidated Assessment and Listing Methodology (CALM)" later in this report).

Monitoring and Assessment – Wetlands

The EPA encourages states to integrate wetlands into their water quality programs and to report on the status of their wetlands as part of the CWA s. 305(b) reporting process. Unlike rivers, lakes and estuaries, however, Masachusetts' wetlands are not defined as individual AUs and assessed in accordance with the CALM. Furthermore, the results of wetland assessments are not stored in the ADB, and individual wetlands are not assigned to categories of the IR. Details pertaining to the MassDEP's Wetland Monitoring and Assessment Program can be found online and are briefly described below (see http://www.mass.gov/eea/agencies/massdep/water/watersheds/wetlands-protection.html#2). The results of the first MassDEP pilot study assessing 45 forested wetlands in the Chicopee Watershed are also summarized.

Consistent with EPA's recommendations, the MassDEP's Wetlands Program has been working collaboratively with the University of Massachusetts at Amherst (UMass-Amherst) and the Massachusetts Coastal Zone Management Program since 2006 to develop a strategy to monitor and assess wetlands for purposes of reporting on the status and trends of all wetlands across the state and for developing criteria

to monitor and assess the physical, chemical and biological integrity of wetlands for reporting under s. 305(b) of the CWA. The central feature of the Massachusetts strategy is the Conservation Assessment and Prioritization System (CAPS), a landscape-level assessment model that has been developed by UMass-Amherst (see http://www.umasscaps.org/about/index.html). CAPS combines land-cover mapping derived from geographic information systems (GIS) and aerial photography with 26 inland and coastal stressor or resiliency metrics, each representing a stressor on the environment, to calculate a value between 0 and 1 for each 30 square meter plot on the landscape. A complete list of metrics can be found at: http://www.umasscaps.org/about/metrics.html. The CAPS computer model can analyze individual metrics, or combine them to derive an Index of Ecological Integrity, or IEI. Wetland IEI values generated from the CAPS model define a continuous gradient that is inversely proportional to the magnitude of stressors acting on those wetlands (generalized stressor gradient). High IEI scores (approaching 1.0) are indicative of communities that are relatively free from stressors. The IEI is a *predictor* of the capacity of a wetland to sustain its ecological condition in the long term and to recover from stress.

Because CAPS does not use field-based information to assess ecological conditions on the ground, site-level assessment methodologies (SLAMs) are being developed that utilize actual measurements of biological integrity in the field to evaluate wetland condition and calibrate the CAPS model. Efforts are ongoing to identify dose-dependent relationships that may exist between the field data and the metrics modeled in CAPS, and to develop Indices of Biological Integrity (IBIs) to incorporate into the SLAMs. IBIs are metrics used to quantify changes in biological communities in response to adverse human activity and can serve as indicators of particular stressors acting on a wetland or water body, as well as providing a composite score for biological condition. To date, SLAMs have been developed for forested wetlands and salt marshes and these have been used to sample 219 forested wetland sites and 175 salt marsh sites that were randomly selected along a gradient of IEI values. These data, along with data from 490 wadable streams collected by the DWM-WPP have been used to test and validate the CAPS predictions and modify (as needed) the CAPS models; and to develop IBIs for use in assessing site-specific wetland condition.

In September 2013, the IBI development work was documented in a report entitled: *Empirically Derived Indices of Biotic Integrity for Forested Wetlands, Coastal Salt Marshes and Wadable Freshwater Streams in Massachusetts.* This report describes the effort to develop IBI's and the results. In summary, 60 of 164 separate IBI's created for single taxonomic groups (and sampling methods) across stressor metrics and ecological systems were deemed statistically and ecologically reliable. This report is available at http://www.mass.gov/eea/docs/dep/water/resources/a-thru-m/ibifin.pdf

Also in 2013 the MassDEP Wetland Program was awarded a Wetland Program Development Grant by the EPA to use the monitoring and assessment tools developed to date to conduct a pilot study on forested wetlands in the Chicopee River Watershed and use CAPS model to assess those sites. This work was undertaken in 2014 to coincide with the MassDEP's five-year watershed monitoring and assessment cycle and consisted of a landscape level GIS-based assessment using the CAPS model, and a SLAM based on IBI's developed specifically for forested wetlands. A brief summary of the results of this pilot study is presented below. The complete report (MassDEP 2016b) is available online at http://www.mass.gov/eea/agencies/massdep/water/watersheds/chicopee-watershed-wetland-monitoring-and-assessment.html.

The application of the CAPS landscape level GIS-based model revealed that the primary causes of ecological stress on forested wetlands in the Chicopee Watershed are: 1) loss of terrestrial connectedness; 2) loss of similarity; 3) the presence of non-native invasive plant species; and 4) the loss of aquatic connectedness. Based on this assessment, strategies were identified to alleviate these sources of stress. Recommended measures include: the establishment of terrestrial wildlife passage structures between areas of similar forested wetland habitat; protection of buffer zones; improvement of stream crossings to meet the Massachusetts Stream Crossing Standards; and the identification and control of non-native plant species infestations.

In addition to the CAPS landscape-level assessment, site-level assessments were conducted at 45 targeted sites throughout the watershed to assess the actual wetland condition at those sites, and to evaluate the reliability of the CAPS landscape-level predictions. Forty of the wetlands chosen for site-level assessments had received low IEI values (0.10-0.25) from the CAPS analysis and, therefore, were predicted to be impaired. The IEI scores for the five remaining sites ranged from 0.75-0.90, forecasting little or no impairment. Field verification of wetland condition at each site was carried out by sampling vascular plants and applying the resulting IBI values to determine whether sites met expectations. All 40 sites with low IEI values also exhibited low IBI values calculated from the field data, thus confirming the impaired wetland conditions predicted by the CAPS model. Alternatively, three out of the five sampled sites for which the CAPS model yielded high IEI scores (i.e., predicted little or no impairment) actually exhibited low IBI values indicative of impaired conditions. Upon further investigation it was determined that two of the three sites not meeting expectations were, in fact, stressed due to beaver activity; however, the inconsistent findings at the third site could not be fully explained without further investigation. Although the model did not predict what stressor caused two of the sites to fail, it did correctly identify stressed biological condition. While the beaver activity is naturally stressing the forested wetland condition, the result may be a healthy shrub or emergent wetland. Regardless, no corrective action was recommended for these two sites.

In summary, the CAPS model predicted that 40 forested wetland sites throughout the Chicopee Watershed would exhibit low ecological integrity based on the developed landscape around each site, and the sampling and IBI analysis accurately reflected the impaired condition of these sites. These, and likely many other sites, are adversely affected by the developed landscape, and opportunities for restoration should be actively evaluated to improve wetland condition at all low IEI forested wetlands in the watershed.

TMDL Program

Section 303(d) of the CWA and the EPA's Water Quality Planning and Management Regulations (40 CFR Part 130) require states to develop TMDLs for water bodies that are not meeting designated uses under technology-based controls. The TMDL process establishes the maximum allowable loading of pollutants that a water body can receive and still meet the SWQS established for protecting public health and maintaining the designated beneficial uses of those waters. Through this process states implement water quality-based controls to reduce pollutant loadings from both point and nonpoint sources and restore and maintain the quality of their water resources. TMDL implementation is accomplished through adherence to prevailing regulations and program requirements such as those governing the NPDES permits for point source control, watershed-based plans and s. 319 guidelines for managing nonpoint source pollution, and the stormwater management performance standards upheld by conservation commissions under the Wetlands Protection Act. Furthermore, funding priority for CWA s. 319 grants and the SRF is given to watershed clean-up projects that are consistent with TMDL Program requirements.

The EPA tracks the states' progress with completing TMDLs in its Assessment and Total Maximum Daily Load Tracking and Implementation System (ATTAINS) which can be accessed at http://www.epa.gov/waterdata/assessment-and-total-maximum-daily-load-tracking-and-implementation-system-attains. This system assigns a unique identification number to each approved TMDL which is included for reference in categories 4a and 5 of the 2016 IR. All of the TMDLs approved by the EPA for Massachusetts' waters through January 2016 are presented by EPA TMDL number in Table 2, and full citations are provided in the Bibliography. TMDLs approved on or after September 25, 2014 are included for the first time in this reporting cycle. The individual TMDL documents, themselves, are available at http://www.mass.gov/eea/agencies/massdep/water/watersheds/total-maximum-daily-loads-tmdls.html.

A specific time frame for developing TMDLs is not set forth in either the statute or regulation governing the TMDL program. Because TMDLs can take several years to develop, ongoing commitments to complete specific TMDLs are now included in each State-EPA PPA, and the most recent PPA and associated MassDEP Work Plan reflect the current priorities for TMDL development (see "Prioritizing Waters for TMDL Development" later in this report). For more information pertaining to the Massachusetts

TMDL Program see http://www.mass.gov/eea/agencies/massdep/water/watersheds/total-maximum-daily-loads-tmdls.html.

Table 2. List of TMDLs approved by the EPA for Massachusetts waters. TMDLs newly approved for the 2016 reporting cycle are indicated in **bold**.

EPA TMDL Number	TMDL Report Title	Approval Date
5, 6	Total Maximum Daily Loads of Phosphorus for Selected Connecticut Basin Lakes *(CN 112.0)*	April 12, 2002
175, 360, 361, 379	Total Maximum Daily Loads of Phosphorus for Selected Northern Blackstone Lakes *(CN 70.1)*	May 2, 2002
444	Total Maximum Daily Loads of Phosphorus for Lake Quinsigamond and Flint Pond *(CN 115.0)*	June 28, 2002
498, 550	Total Maximum Daily Loads of Phosphorus for Selected Northern Blackstone Lakes *(CN 70.1)*	May 2, 2002
644	Total Maximum Daily Loads of Phosphorus for Lake Quinsigamond and Flint Pond *(CN 115.0)*	June 28, 2002
651, 653	Total Maximum Daily Loads of Phosphorus for Selected Connecticut Basin Lakes *(CN 112.0)*	April 12, 2002
671	Total Maximum Daily Load of Phosphorus for Leesville Pond *(CN 117.0)*	June 28, 2002
675	Total Maximum Daily Loads of Phosphorus for Selected Connecticut Basin Lakes *(CN 112.0)*	April 12, 2002
722	Total Maximum Daily Loads of Phosphorus for Selected Chicopee Basin Lakes *(CN 118.0)*	April 12, 2002
726	Total Maximum Daily Loads of Phosphorus for Selected Connecticut Basin Lakes *(CN 112.0)*	April 12, 2002
804, 862, 938	Total Maximum Daily Loads of Phosphorus for Selected Northern Blackstone Lakes *(CN 70.1)*	May 2, 2002
1332	Total Maximum Daily Loads of Phosphorus for Selected Chicopee Basin Lakes *(CN 118.0)*	April 12, 2002
2319	Total Maximum Daily Loads of Phosphorus for Salisbury Pond *(CN 114.0)*	June 28, 2002
2323	Total Maximum Daily Loads of Phosphorus for Indian Lake *(CN 116.0)*	June 28, 2002
2353	Total Maximum Daily Loads of Phosphorus for Lake Boon *(CN 119.0)*	June 28, 2002
2354-2371, 2373-2375	Total Maximum Daily Loads of Phosphorus for Selected French Basin Lakes *(CN 110.0)*	July 12, 2002
2377, 2382, 2385, 2389-2392	Total Maximum Daily Loads of Phosphorus for Selected Northern Blackstone Lakes *(CN 70.1)*	May 2, 2002
2586	Total Maximum Daily Loads of Bacteria for Little Harbor *(CN 120.0)*	September 12, 2002
2587	Total Maximum Daily Loads of Bacteria for the Shawsheen River Basin *(CN 122.0)*	September 12, 2002
2592	Total Maximum Daily Loads of Bacteria for Neponset River Basin *(CN 121.0)*	June 21, 2002
2615	Bare Hill Pond, Harvard, MA. (MA81007) TMDL *(CN 14.0)*	November 2, 1999
3626, 3629-3631, 3633	Total Maximum Daily Loads of Phosphorus for Selected Chicopee Basin Lakes *(CN 118.0)*	April 12, 2002
4115, 4117, 4118, 4123-4125, 4127, 4128, 4133, 4134, 4136, 4137, 4140, 4141, 4144, 4145	Total Maximum Daily Loads of Phosphorus for Selected Millers Basin Lakes *(CN 123.2)*	February 5, 2003
22512	Bacteria TMDL for Muddy Creek, Chatham and Harwich, Massachusetts. *(CN 208.0)*	April 28, 2005

22513	Bacteria Total Maximum Daily Load for Frost Fish Creek, Chatham, Massachusetts. *(CN 207.0)*	April 28, 2005
30341	Pleasant Bay System Total Maximum Daily Loads for Total Nitrogen *(CN 244.0)*	October 24, 2007
30702	Bacteria TMDL for Kickamuit River. *(CN 285.0)*	September 29, 2006
32364-32366, 32370-32374, 32376, 32377, 32379-32383	Total Maximum Daily Loads for Pathogens within the Charles River Watershed *(CN 156.0)*	May 22, 2007
32532, 32534, 32535, 32537, 32638	Great, Green and Bournes Pond Embayment Systems Total Maximum Daily Loads for Total Nitrogen *(CN 181.0)*	July 18, 2007
33780, 33781, 33786-33799	Pleasant Bay System Total Maximum Daily Loads for Total Nitrogen *(CN 244.0)*	October 24, 2007
33811-33815	Nitrogen TMDL Report for the Quashnet River, Hamblin Pond, Little River, Jehu Pond, and Great River in the Waquoit Bay System *(CN 218.0)*	November 7, 2007
33826	Total Maximum Daily Load for Nutrients in the Lower Charles River Basin, Massachusetts *(CN 301.0)*	October 17, 2007
33846	Total Maximum Daily Loads of Total Phosphorus for Quaboag & Quacumquasit Ponds *(CN 216.1)*	November 28, 2007
33858	Centerville River – East Bay System Total Maximum Daily Loads for Total Nitrogen *(CN 248.0)*	December 18, 2007
33880	Northeast Regional Mercury Total Maximum Daily Load *(MassDEP CN 376.0)*	December 20, 2007
33965-33969	Popponesset Bay Total Maximum Daily Loads for Total Nitrogen *(CN 217.0)*	January 22, 2008
33988-33993	Three Bays System Total Maximum Daily Loads for Total Nitrogen *(CN 242.0)*	February 13, 2008
34009	Little Pond Embayment System Total Maximum Daily Loads for Total Nitrogen *(CN 246.0)*	March 3, 2008
34284, 34328, 34331, 34332	West Falmouth Harbor Embayment System Total Maximum Daily Loads for Total Nitrogen *(CN 243.0)*	May 5, 2008
34345	Oyster Pond Embayment System Total Maximum Daily Loads for Total Nitrogen *(CN 245.0)*	May 5, 2008
34917, 34918	West Falmouth Harbor Embayment System Total Maximum Daily Loads for Total Nitrogen *(CN 243.0)*	May 5, 2008
35069	Phinneys Harbor Embayment System Total Maximum Daily Loads for Total Nitrogen *(CN 247.0)*	February 5, 2008
35085-35088, 35096, 35097	Bacteria TMDL for the Palmer River Basin *(CN 182.0)*	September 22, 2004
35103-35109	Assabet River Total Maximum Daily Load for Total Phosphorus *(CN 201.0)*	September 23, 2004
36011, 36012	Nantucket Harbor Embayment System Total Maximum Daily Loads for Total Nitrogen *(CN 249.0)*	May 12, 2009
36170-36172	Pathogen Total Maximum Daily Load for the Buzzards Bay Watershed *(CN 251.1)*	May 15, 2009
36219-36222, 36228-36231	Stage Harbor/Oyster Pond, Sulphur Springs/Bucks Creek, Taylors Pond/Mill Creek Total Maximum Daily Load Re-evaluations for Total Nitrogen *(CN 206.1)*	June 22, 2009
36582-36585	Pathogen Total Maximum Daily Load for the Three Bays Watershed, Barnstable, MA *(CN 309.0)*	August 28, 2009
36771-36772	Pathogen Total Maximum Daily Load for the Cape Cod Watershed *(CN 252.0)*	August 28, 2009
38912, 38914	Final Total Maximum Daily Load for Phosphorus for White Island Pond, Plymouth/Wareham, MA. *(CN 330.2)*	July 20, 2010
38903-38909	Final Pathogen TMDL for the Narragansett/Mt. Hope Bay Watershed *(CN 351.0)*	July 21, 2010

40307-40310	Final Pathogen TMDL for the Taunton River Watershed *(CN 256.0)*	June 16, 2011
40317-40319	Total Maximum Daily Load for Nutrients in the Upper/Middle Charles River, Massachusetts. *(CN 272.0)*	June 10, 2011
42353-42369	Addendum: Final Pathogen TMDL for the Cape Cod Watershed. *(CN 252.5)*	August 28, 2012
42392-42411	Northeast Regional Mercury Total Maximum Daily Load Addendum for Massachusetts. *(CN 377.0)*	September 20, 2012
50120-50123	Final Pathogen TMDL for the North Coastal Watershed. *(CN 155.0)*	October 25, 2012
54840, 54842, 54860, 54861	Addendum: Final Total Maximum Daily Loads of Bacteria for Neponset River Basin. *(CN 121.5)*	July 3, 2013
61706, 61708, 61710, 61713, 61715, 61716, 61718, 61720, 61721, 61723-61725, 61727, 61728, 61730, 61731, 61734, 61735, 61737, 61738, 61739	**Final Pathogen TMDL for the South Coastal Watershed. *(CN 255.0)***	**September 25, 2014**
64145-64149, 64151	**Final Nitrogen TMDL for Lewis Bay and Halls Creek. *(CN 314.0)***	**April 15, 2015**
64380	**Final Nitrogen TMDL for Edgartown Great Pond System. *(CN 318.0)***	**June 24, 2015**
64480-64482	**Final Nitrogen TMDL for Madaket Harbor and Long Pond Estuarine System. *(CN 283.0)***	**July 30, 2015**
64583, 64584	**Final Nitrogen TMDL for Lagoon Pond Estuarine System. *(CN 390.1)***	**September 2, 2015**
64662	**Final Nitrogen TMDL for Farm Pond Estuarine System. *(CN 391.1)***	**October 2, 2015**
65320, 65321	**Final Nitrogen TMDL for Sengekontacket Pond Estuarine System. *(CN 310.1)***	**January 7, 2016**

Surface Water Discharge Permitting and Stormwater Programs

Information pertaining to the Surface Water Discharge Permitting Program can be accessed at: http://www.mass.gov/eea/agencies/massdep/water/wastewater/surface-water-discharge-permitting-npdes.html. Wastewater discharges to surface waters in Massachusetts are governed by permits issued in accordance with both the SWQS and guidelines set forth as part of the federal NPDES permit program. This system establishes levels of effluent quality that must be achieved at municipal, institutional and industrial treatment facilities to ensure that water quality standards are met in the receiving waters. Massachusetts has not been delegated the authority to issue NPDES permits by the EPA. Therefore, the EPA retains the responsibility for the administration of the program, including drafting the discharge permits, conducting public hearings and issuing the final permit. The MassDEP must provide state certification of the final draft permit prior to issuance in accordance with s. 401 of the CWA. The MassDEP also is a signatory to the final permit, making it a joint permit. This process results in a final discharge permit that is valid under both federal and state law, so each permitting agency has the independent right to enforce its terms and conditions. The CWA requires that discharges satisfy both minimum technology and water quality requirements.

The EPA's Stormwater Management Program began in the late 1990s with the regulation of medium (100,000 populace served) and large (250,000 served) municipal separate stormwater sewer systems (MS4), a wide range of industrial activities (controlled through the EPA's multi-sector general permits) and construction activities involving the disturbance of land area greater than five acres. Rather than limiting the concentration of individual constituents in stormwater, permit conditions emphasized the use of BMPs to manage stormwater. Facilities and construction sites are required to develop and implement

stormwater management plans to control runoff, limit transport of pollutants off-site and to mitigate erosion and other habitat alterations associated with stormwater runoff.

The scope of the stormwater program was expanded in 2003 to include small municipalities (i.e., 237 cities and towns in Massachusetts), and public entities that operate MS4 systems, such as highways, parks, colleges and correctional facilities. The program requirements, established in 1999 by the EPA Storm Water Phase II regulations, are being implemented in over two-thirds of the municipalities in Massachusetts and several dozen other public MS4 systems through the use of general permits. The 2016 Massachusetts Small MS4 General Permit was signed April 4, 2016, and published in the Federal Register on April 13, 2016. The permit will become effective July 1, 2017. The final permit reflects modifications to the 2014 draft small MS4 general permit released for comment on September 30, 2014 and replaces the 2003 small MS4 general permit for MS4 operators within Massachusetts. The final permit, appendices, and response to comment documents are available on EPA's website at https://www3.epa.gov/region1/npdes/stormwater/MS4_MA.html along with useful information and resources for stormwater management. Additional information pertaining to the management of stormwater in Massachusetts can be found online at http://www.mass.gov/eea/agencies/massdep/water/wastewater/stormwater.html.

Sustainable Water Management and the Water Management Act

Maintaining sufficient stream flow and reservoir levels to support fish, other aquatic life and wildlife, while responding to increased anthropogenic demands for water, is a major challenge facing Massachusetts' environmental officials and its citizenry. Massachusetts receives 44 inches of precipitation in an average year, which is plentiful compared to other parts of the country, and most of the time provides enough water to meet the needs of people and the environment. However, during the summer and fall months, when evaporation and human demands are highest and stream flows are naturally lowest, the wide variety of human and ecological needs cannot always be met. In extreme cases this has resulted in streams drying up, seasonally, resulting in a loss of fish and other aquatic species dependent on those habitats.

The MassDEP is primarily addressing stream flow depletion through the implementation of the Massachusetts Water Management Act (WMA). Enacted in 1985, the WMA regulates all withdrawals from ground and surface water sources that exceed an average annual volume of 100,000 gallons per day (gpd). The WMA allowed all withdrawals of this magnitude that existed between 1981 and 1985 to be registered if the applicant applied by January 4, 1988. The MassDEP allows registrants to continue these historic withdrawals provided that they meter or otherwise verify their actual water use and that they report their usage annually. New withdrawal points or increased withdrawal volumes from registered points exceeding the WMA threshold of 100,000 gpd sought after 1985 are required to obtain a withdrawal permit.

Massachusetts launched the Sustainable Water Management Initiative (SWMI) in 2010 to develop a water policy that balances ecological needs along with the need to support long term economic growth and development. The SWMI was initiated by the Massachusetts Executive Office of Energy and Environmental Affairs in partnership with the MassDEP, the Department of Conservation and Recreation (DCR), and the Department of Fish and Game (DFG) and included input from a wide range of stakeholders. Its purpose was to reevaluate the way water is managed so that there is enough for the many and sometimes competing long-term water needs of our communities and aquatic ecosystems. A SWMI Framework, based on extensive scientific analyses and an active public review process, was released in November of 2012 (EEA 2012). In November 2014, MassDEP promulgated new WMA regulations that incorporate key components of the SWMI.

The WMA permit application review process considers other withdrawals within the same watershed. This process includes an analysis of the potential local impacts that may result from the proposed withdrawal. Included in this local impact analysis is the identification of resources affected by water level fluctuations and a determination of acceptable groundwater levels for those resources. The impact of water withdrawals on

surface water quantity and quality, as well as the effects of induced infiltration on the quality of the withdrawal water, are considered as a part of the review. Water conservation measures are included in WMA permits that reflect the state water conservation standards promulgated by the EEA and Water Resources Commission. Water conservation standards that are included as permit conditions include: meeting an annual value of 65 residential gallons per person per day, maintaining 10 percent or less unaccounted-for water loss, and requiring seasonal reductions in nonessential outdoor uses under certain environmental conditions (e.g., drought) for public water systems. Some permittees are also required to mitigate, commensurate with impact, any impacts of their water withdrawals. For more information on the WMA see http://www.mass.gov/eea/agencies/massdep/water/drinking/the-massachusetts-water-management-act-program.html.

Nonpoint Source Program

The website http://www.mass.gov/eea/agencies/massdep/water/watersheds/nonpoint-source-pollution.html presents a definition of nonpoint source pollution and describes the measures and programs currently aimed at its control. In the past the EPA and the states have focused water pollution abatement programs on the control of point sources through waste load allocation and NPDES permitting. Nonpoint source pollution is not as easily assessed nor controlled, for it is intricately linked with the use of the land and land-use is typically regulated at the local level. For this reason federal and state efforts are aimed at educating local officials and the general public with respect to the importance of land-use planning and zoning, the use of BMPs to control stormwater and other measures for preventing nonpoint pollution. Critical to the success of this approach is the establishment of partnerships between all of the parties that have an interest in the process. By bringing these parties together, problems are identified and prioritized and innovative solutions are developed. Moreover, the watershed represents a logical planning unit on which to focus this effort.

The Massachusetts NPS Plan was originally developed by the MassDEP in 1988 pursuant to s. 319 of the CWA. In April 2013, the EPA issued new Nonpoint Source Program and Grants Guidelines for States and Territories (Guidelines). The Guidelines continued to promote the use of s. 319 funding for developing and implementing WBPs to protect unimpaired waters and restore impaired waters. WBPs are required for all projects implemented with s. 319 incremental dollars, and are recommended for all watershed projects, whether they are designed to protect unimpaired waters, restore impaired waters, or both. The new Guidelines also required states to update their NPS plans. The most recent revision of the Massachusetts NPS Plan (MassDEP 2014) covers the five-year period 2014 – 2019 and is available from the above website. This updated NPS Plan sets forth an integrated strategy for the prevention, control, and reduction of pollution from nonpoint sources in an effort to protect and improve the quality of the waters of Massachusetts and serves as a framework on which the changes to the SRF regulations are built. An update to the s. 6217 Coastal Nonpoint Pollution Control Program Plan was also incorporated into the revised NPS Plan. Each year Congress appropriates funds under s. 319 to assist the states with the implementation of their approved NPS plans. Implementation activities include: regulatory enforcement, technical assistance, education, training, technology transfer, and watershed restoration and demonstration projects. Finally, the new Guidelines encourage states to incorporate the protection of healthy watersheds into state nonpoint source programs, and allow the use of 319 funds for that purpose. Since 1990, and extending through 2015, the MassDEP has administered 270 s. 319 nonpoint source management projects, which total over $48 million.

In addition to the updates to the NPS Plan, the MassDEP has revised the Nonpoint Source Management Manual. Now referred to as the Clean Water Toolkit, the manual is a compilation of nonpoint source BMPs that was first developed in 1998. Since then our understanding of nonpoint source issues and BMPs has evolved, as have the options for presenting and distributing such material. In 2003, a s. 319 grant was used to revise the original hard copy manual in electronic and web-based formats. This update was completed in 2006. The current revision adds interactive media, updated information and links and additional user-friendly tools and resources. New topics include municipal good housekeeping, low impact development, Phase II stormwater and related material. The Clean Water Toolkit can be accessed at the Nonpoint Source

Program's internet site, http://www.mass.gov/eea/agencies/massdep/water/watersheds/nonpoint-source-pollution.html#2.

Clean Water State Revolving Fund (SRF)

Information pertaining to the Massachusetts SRF for water pollution abatement projects and drinking water infrastructure can be accessed at http://www.mass.gov/eea/agencies/massdep/water/grants/state-revolving-fund.html. Administered jointly by the MassDEP's Division of Municipal Services and the Massachusetts Clean Water Trust (the Trust), the SRF was established to provide a low-cost financing mechanism to assist municipalities and wastewater districts/authorities seeking to comply with federal and state water quality requirements. The SRF loan program receives funding from the EPA in the form of an annual grant, supplemented by state matching funds and funds paid back by previous borrowers. The Trust, in turn, leverages these funds through the sale of bonds, resulting in a much larger pool of money to loan to borrowers.

Each year the MassDEP solicits water and wastewater infrastructure projects from Massachusetts municipalities and wastewater districts to be considered for subsidized loans, which are currently offered through a two percent interest rate loan. Certain nutrient removal projects may be eligible for zero percent interest rate loans. Financial assistance is available for planning and construction of infrastructure, including new water and wastewater treatment facilities and upgrades of existing facilities; infiltration/inflow correction; drinking water distribution and wastewater collection systems; control of combined sewer overflows (CSOs); brownfields water resource infrastructure improvement; and nonpoint source pollution abatement projects, such as landfill capping, community programs for upgrading septic systems (Title 5) and stormwater remediation. In addition, non-structural projects are eligible for SRF funding; e.g., planning projects for nonpoint source problems that are consistent with the Massachusetts NPS Plan and that identify pollution sources and suggest potential remediation strategies. A priority ranking system, consisting of environmental, program and implementation criteria, is used to evaluate the proposed projects. The projects, borrowers and amounts that will be financed through the SRF are presented in annual Intended Use Plans (IUPs) that are publicly noticed for review and comment. See, for example, the 2016 Final Clean Water IUP in which the MassDEP announces its intention to finance 35 new construction projects, 9 carryover projects, and 15 planning projects totaling approximately $410 million (http://www.mass.gov/eea/agencies/massdep/water/grants/clean-water-state-revolving-fund.html).

Wetlands Management Programs

The MassDEP administers both regulatory and non-regulatory programs aimed at the assessment and protection of the Massachusetts' valuable wetland resources. All of these programs are presented in detail at http://www.mass.gov/eea/agencies/massdep/water/watersheds/wetlands-protection.html#top. The monitoring and assessment of wetlands were described earlier in this report.

The MassDEP protects inland and coastal wetlands pursuant to the Massachusetts Wetlands Protection Act (WPA), first enacted in 1972, and the WPA regulations at 310 CMR 10.00. The WPA regulations provide strong protection of bordering vegetated wetlands, allowing for no more than 5000 square feet of alteration and requiring full replacement in most cases, and only if the altered area is replaced in a manner that will function similarly to the lost area. In Massachusetts, implementation of the WPA is administered by local conservation commissions and approximately 8,500 applications ('Notices of Intent') are submitted each year. MassDEP is responsible for appeals, Water Quality Certifications under s. 401 of the CWA and enforcement.

In 1996 the Massachusetts Legislature amended the WPA to provide additional protection to rivers. Known as the Massachusetts Rivers Protection Act, this amendment regulates activities within a newly established wetland resource area known as the Riverfront Area. This Act extends to rivers the protection originally offered only to wetlands, with the same overall goals and purposes: protection of private and public water supply, groundwater protection, flood control, prevention of storm damage, prevention of pollution and protection of wildlife habitat, shellfish beds and fisheries.

ASSESSMENT UNIT DEFINITIONS FOR MASSACHUSETTS

When defining AUs (sometimes referred to as "segments") for reporting and listing the use-attainment status of its surface waters, Massachusetts takes into consideration any of the following:

- Water body inventory systems for rivers/streams, lakes/ponds, and coastal/marine features
- Water body type (lotic, lentic, estuarine)
- SWQS classification
- Features that affect water quality (wastewater discharges, dams, river confluences, etc.)
- Availability of recent water quality and/or biological monitoring data
- Development of TMDLs

The Massachusetts SWQS classification is the primary source for defining AUs used for CWA reporting requirements, and water bodies must be broken into smaller AUs to reflect differences in SWQS Class (e.g., B, SA, etc.) and/or qualifiers (e.g., Cold Water resource, Shellfishing, etc.). Furthermore, because each AU is generally assumed to be fairly homogeneous in water quality, AUs are established to account for changes in water quality conditions that may be expected (i.e., at the confluence of a major tributary, at a dam or at the site of a NPDES discharge).

To aid in monitoring, assessing and managing the water quality of Massachusetts' surface waters, the MassDEP (in conjunction with other agencies and institutions) developed water body inventory systems for rivers, lakes, and estuaries, where each water body was assigned a unique identifying code number tied to the watershed where it was located. The Stream and River Inventory System (SARIS) (Halliwell *et al.* 1982) was created to describe all Massachusetts' perennial streams that were named on U.S. Geological Survey (USGS) topographic maps (unnamed tributaries were originally excluded from SARIS). The SARIS numbering system was built around a nested stream hierarchy within each watershed with lower numbers corresponding to the main stem river and higher numbers corresponding to headwater tributaries. Each SARIS code is a seven-digit number starting with the two-digit number assigned to each of the 33 major watersheds in Massachusetts (see Figure 1). Each number was originally incremented by units of 25 to allow for the future addition of tributary streams. For example, the Ipswich River, located within the Ipswich River Watershed (92), was assigned a SARIS code of 9253500, and all tributaries to the Ipswich River have larger SARIS numbers. To accommodate new AUs where no SARIS number exists, new SARIS numbers are added as needed to the original inventory system (MassDEP unpublished). Likewise, approximately 3,000 lakes, ponds, reservoirs, and impoundments were included in the Pond and Lake Information System (PALIS), a numbering system originally developed by Godfrey et al. (1979) and later adopted by the MassDEP's Clean Lakes Program (Ackerman *et al*. 1984, Ackerman 1989). Each PALIS code is a five-digit number starting with the two-digit watershed number (e.g., 82109 is Walden Pond, located in the Concord River Watershed (82)). PALIS codes are maintained for defining AUs by the DWM-WPP, where they may be created, modified or deleted on occasion. Finally, the Coastal and Marine Inventory System (CAMIS) (MassDEP unpublished) has been utilized to organize coastal waters, estuaries, and harbors based on their respective drainage areas as described in SARIS, and for which no SARIS or PALIS numbers have been assigned. Each five-digit CAMIS number begins with the two-digit watershed number followed by a 9 to indicate CAMIS water bodies (e.g., 94906 is Plymouth Harbor; portions of the South Shore coastal drainage system (94) drains to this water body). Note that Boston Harbor (proper) (70) was added as a "watershed" for assessment purposes and is utilized within CAMIS, but was not included as one of the original 32 Massachusetts watersheds described under the SARIS and PALIS systems.

Massachusetts defines AUs using the following three water body types represented by the SARIS/PALIS/CAMIS inventories described above (units given in parentheses): rivers (miles), lakes (acres), and estuaries (square miles). However, AUs were never universally established for every water body in these inventories. Rather, AUs were (and continue to be) created, over time, as actual

assessments of those water bodies are carried out for the first time. Therefore, the complete inventory of all of Massachusetts' water bodies is not represented by the AUs presented in the IR. When creating AUs, names are adopted directly from the associated SARIS, PALIS or CAMIS water body, although some exceptions do occur. Descriptions also help to identify the location of the AU. For lakes, the town where the AU is located is noted in the description. For rivers, the start and end point of the AU is described in terms of such features as tributaries, headwaters, outlets from ponds, and roads/bridges. Estuarine AUs may be described either way. Unlike lakes and ponds, a river or estuary represented by a single SARIS or CAMIS number may be divided into two or more AUs (see below). Therefore, AU identifiers (AUIDs) are assigned using two formats: 1) prefix "MA" followed by the five-digit PALIS code (lakes); or 2) prefix "MA" followed by "WW-XX" (rivers and estuaries), where WW is the two-digit watershed identification number and XX is a unique number beginning with "01". Unlike the SARIS coding system there is no hierarchical numbering system used for an AUID. Each new AUID for a river or an estuary is incremented by one as it is added during a reporting cycle.

Prior to the use of geographic information systems (GIS), AUs were defined using USGS topographic maps, with sizes determined by map wheels (rivers) and planimetry (lakes and estuaries). AUs were first depicted using GIS in 2000 using two feature classes, one for linear features (rivers and a few estuaries) and one for polygon features (lakes and estuaries). Lake and river AUs were georeferenced using the 1:25,000 USGS hydrography dataset (later modified by MassDEP), which depicts water bodies based on USGS topographic quadrangle maps. Today, Massachusetts Geographic Information System (MassGIS) color orthophotos, rasterized USGS topographic base maps, and professional judgment are used to help interpret and define individual river and lake AUs. Estuaries are defined using the USGS 1:25,000 topographic maps, National Oceanic and Atmospheric Administration nautical charts at several scales, and the original inventory and planimetry of Gil (1985) and Maietta (1984), respectively. In addition, coastal boundary definitions, landmarks (such as lighthouses), rock outcroppings, the extent of shellfishing beds, and professional expertise inform the creation of estuarine AUs.

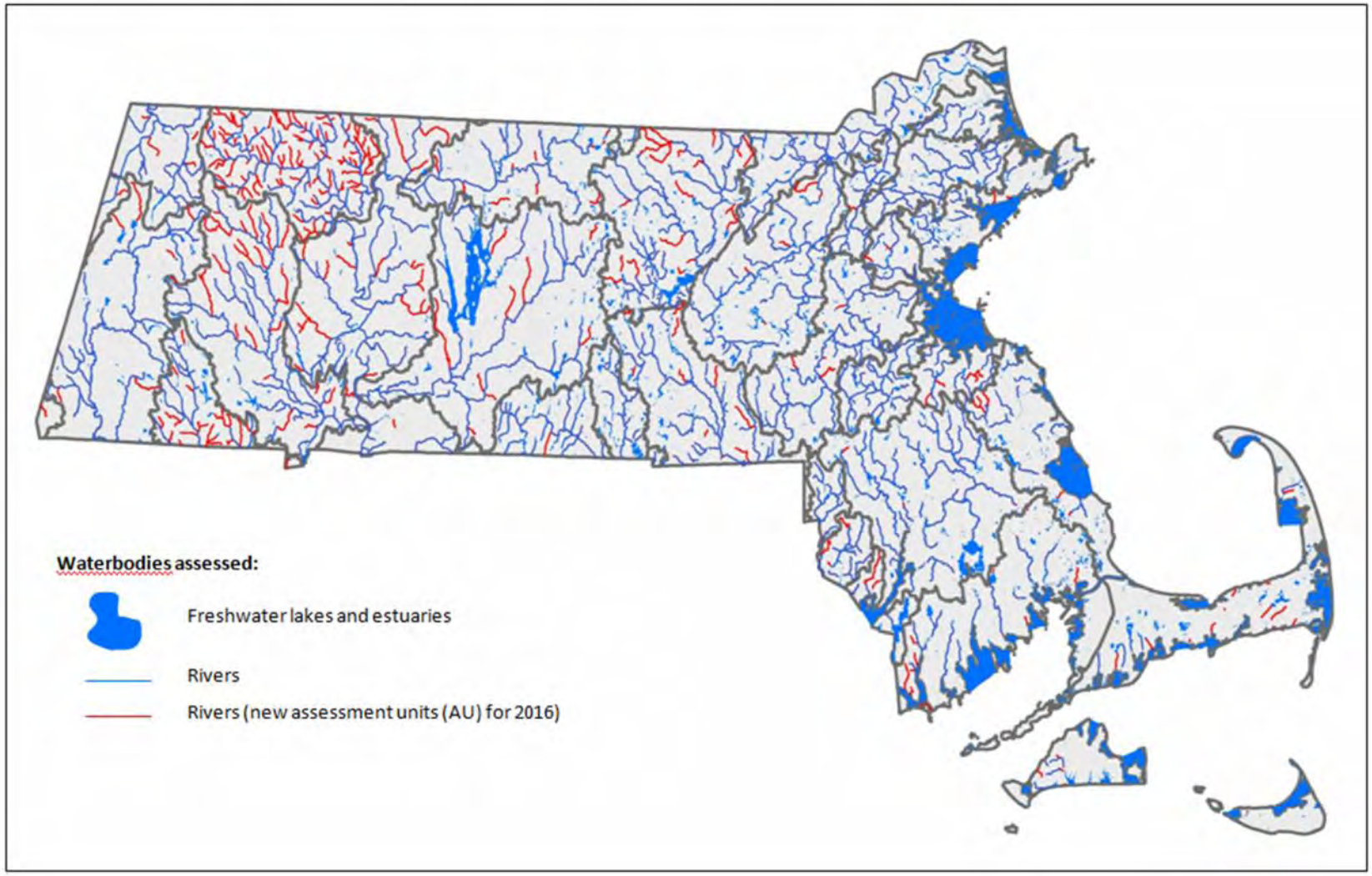
When a watershed is scheduled for an assessment update during a new CWA reporting cycle, new AUs may be established due to the availability of a sufficient amount of recent water quality or biological data (as outlined in the CALM document), as a result of a TMDL study, or as a result of public comment. Furthermore, as SWQS are updated, new information may become available that requires geospatial changes to existing AUs, such as new data that indicate support of an existing use (e.g., Cold Water resource), or changes in public water supply/ORW status. Geospatial changes may require deleting an entire AU, splitting an AU into two or more segments, or joining all or part of one AU with another AU. Whenever an AU is resegmented, the former AU identifiers are listed within the AU description.

With the completion of the 2016 IR, MassDEP concluded a major effort to clarify AU designations and descriptions and eliminate cases where AUs overlapped. Specifically, since many of Massachusetts' lakes and ponds are impounded stream reaches, several were included in earlier IR reporting cycles as both lake and stream AUs. To avoid this "double-counting" in future IRs, MassDEP began, with the 2008 reporting cycle, to review pertinent morphometric and hydrological data from impoundments as part of the watershed assessment process to determine whether they should continue to be defined and assessed as lake AUs or incorporated into stream AUs. As a general rule, those impoundments formerly identified as lake AUs, but exhibiting unidirectional flow and retention times of less than fourteen days, were eliminated and merged with their respective stream AUs.

In addition to the clarification of AUs described above, all of Massachusetts' streams designated as "Cold Water" in the SWQS, were described as AUs and added to the ADB. Additional streams in the Deerfield River Watershed, not currently designated as "Cold Water" in the SWQS, but which were found to support an "Existing 'Cold Water' Use", were also described as AUs and included in the ADB.

All of the AUs contained in the ADB for the 2016 CWA assessment and listing cycle are presented in Appendix 1 and are depicted in Figure 2 with 289 newly added AUs highlighted in red. A total of 1,157 lake, 1,024 river and 290 estuarine AUs are included in the 2016 reporting cycle.

Figure 2. Assessment Units (AUs) included in the Assessment Database (ADB) for Massachusetts. AUs newly added for the 2016 assessment and listing cycle are highlighted in red. The ADB contains a total of 1,157 lake, 1,024 river and 290 estuarine AUs for 2016.



Sources of Information

The DWM-WPP's internal monitoring networks and program elements described earlier constitute a major source of data and information for making assessment and listing decisions, but are, by no means, the only sources utilized. Additional sources typically include monitoring data and information from other state and federal agencies and citizen monitoring organizations, as well as reports on projects resulting from state or local grants or federally funded projects through the CWA (e.g., ss. 314, 319, 604(b), etc.). For example, s. 314 provided for cooperative agreements between federal, state and local entities to restore publicly owned freshwater lakes and ponds and protect them against degradation. During the late 1970s through the early 1990s diagnostic and feasibility studies were completed for several lakes and ponds throughout Massachusetts and these were used in earlier assessment and listing decisions. Impairment information from these studies continues to carry forward into new assessment and listing cycles unless new monitoring information results in a change in the assessment and listing status. Likewise, information contained in the *Commonwealth of Massachusetts Nonpoint Source Assessment Report* (MassDEP 1989) prepared in accordance with the requirements of s. 319 is also reflected in subsequent s. 305(b) and s. 303(d) reporting elements unless more recent information has resulted in a modification of the original impairment listing.

For the assessment of some designated uses, the MassDEP is entirely reliant on data and information provided by other agencies. For example, the GIS datalayer on shellfish classification areas, maintained and updated periodically by the Massachusetts Division of Marine Fisheries (DMF), is used to assess the support status of the shellfish harvesting use. Similarly, while MassDEP collects data on mercury and other contaminants in fish tissue to support fish edibility risk assessments, the actual assessment of the fish consumption use relies on whether or not fish consumption advisories have been issued by the Massachusetts Department of Public Health (DPH).

While not exhaustive, the following list highlights a number of agencies and programs from which DWM-WPP staff derive environmental data or other records to inform the integrated assessment and listing process:

- DFG fish population assessments are available statewide, primarily for freshwater riverine sites, and these are utilized in the assessment of the aquatic life use.

- DMF anadromous fishery technical reports are available for each coastal system. These reports provide data for evaluating barriers to fish passage as part of the aquatic life use assessment decision. Special studies conducted by DMF biologists (i.e., river herring habitat assessments and smelt spawning area studies) may also be utilized.

- The frequency and duration of public beach closures, at marine and DCR-managed freshwater facilities, are derived from the Beaches Bill database maintained by the DPH.

- Whole-effluent toxicity testing data, submitted as a requirement of NPDES wastewater discharge permits, provide information on the survival of test organisms exposed to ambient river water samples, and may be used to determine the support status of the aquatic life use.

- Presumptive assessments of recreational use impairment are made downstream from CSOs discharging to waters that are not covered by variances in the SWQS.

- Stream discharge data from continuous gaging sites, as well as estimated streamflows from ungaged sites (Streamstats), are available from the USGS. Data on such water quality variables as bacteria, chloride, ammonia, metals, nutrients, polycyclic aromatic hydrocarbons, and

pesticides are also available from the USGS from approximately 70 sites statewide (2005 – 2014).

- The Massachusetts Division of Ecological Restoration is managing over 150 Habitat Restoration Projects statewide involving such stream improvement measures as dam removal, tidal flow restoration, culvert size remediation and urban river revitalization. Information generated by these projects may be used as part of the aquatic life use assessment.

- Precipitation and other climatic data are available from the Global Historical Climatology Network maintained by the National Oceanic and Atmospheric Administration's National Climatic Data Center, and from DCR's Rainfall Program.

Data Acceptability

The availability of appropriate and reliable scientific data and technical information is fundamental to the assessment and listing of waters pursuant to CWA ss. 305(b) and 303(d). And, while states must consider all existing and readily available data and information when preparing lists of impaired waters to meet s. 303(d) requirements, it is the EPA's policy (EPA Order 5360.1 CHG 1) that any organization performing work for or on behalf of the EPA must establish a quality system to support the development, review, approval, implementation and assessment of data collection operations. To this end, the MassDEP describes its Quality System in an EPA-approved Quality Management Plan to ensure that environmental data are of known and documented quality and are suitable for their intended use.

Historically, the MassDEP relied most heavily on internal data collected by the DWM-WPP's ambient water quality monitoring program to support assessment and other CWA water management activities. Over the last decade the number of non-MassDEP data collectors has increased along with advances in technology that have created new opportunities for data sharing between MassDEP and non-MassDEP data collectors. Concurrently, federal and state CWA program resources for monitoring and assessment have declined in recent years. As a result, MassDEP is working to expand partnerships in data collection and the use of external or secondary data from other state and federal agencies, local governments, drinking water utilities, volunteer organizations and other sources to support CWA program needs for water quality data. The MassDEP's monitoring results, augmented by all other "external" data that are deemed reliable and usable, constitute the basis for making water quality assessments in accordance with the requirements set forth in ss. 305(b) and 303(d) of the CWA.

Section B9.3 of the DWM-WPP's *Quality Assurance Program Plan for Surface Water Monitoring and Assessment 2015 – 2019* addresses the use of secondary or external data (MassDEP 2015c). The DWM-WPP categorizes external data into three general levels, which are related to the monitoring objectives (i.e., why the data were collected):

- Educational/Stewardship-level
- Screening-level
  Regulatory/Assessment-level

While very important, data collected primarily for educational and/or stewardship purposes generally do not meet the rigor (i.e., accuracy, precision, frequency, comparability, overall confidence, etc.) required for use in water body assessments or TMDL development. It is unlikely this type of data would be used for s. 305(b) and/or s. 303(d)-related decision-making. Screening-level data are also very important, but generally fail to meet one or more DWM-WPP criteria required for direct use in assessments or TMDLs. Screening-level data may meet the data quality objectives (DQOs) specified in the original project QAPP, but not those in the DWM-WPP's monitoring program QAPP approved by the EPA for CWA activities. Screening-level data are typically used to direct future sampling efforts and as supporting evidence only. Assessment-level data have been deemed by the MassDEP, based on the DWM-WPP's external review procedures, to be directly usable for CWA decision-making. These data are typically the

result of extensive planning, attention to detail, relatively stringent DQOs, training, standard lab procedures, metadata collection, project organization and data verification---all of which contribute to data that are scientifically sound and legally-defensible. Contingent on review and approval, these data can help determine whether or not a water body is meeting water quality standards.

External data can be submitted to the DWM-WPP using guidelines found on the following web site: http://www.mass.gov/eea/agencies/massdep/water/watersheds/external-data-submittals-for-the-wpp.html. All submitted external data are reviewed using a consistent procedure. Once data are received by the DWM-WPP, a standard data review spreadsheet is used to facilitate and document the review. Each potential secondary data source is evaluated using the following preliminary criteria: 1) adherence to an acceptable QAPP, including a laboratory quality assurance plan and associated standard operating procedures for field sampling and laboratory analyses; 2) use of a state-certified (or as otherwise acceptable to the MassDEP) analytical laboratory; and 3) availability of quality control (QC) data supporting the validity of the data.

Meeting these criteria provides a basic level of confidence that the data were generated using appropriate field sampling and analytical methods and that the data were assessed by the external group for accuracy, precision and representativeness. External data meeting these criteria are then further reviewed by one or more DWM-WPP staff to verify that the group's DQOs were met based on the QC data provided. These DQOs are then compared to the DWM-WPP's DQOs to look for any large discrepancies that could affect acceptability. In cases where additional information is needed, the external data group is contacted for the information. If available information is deemed insufficient to complete the review, the data are not used for performing assessments, though they may still be suitable for screening and/or stewardship purposes. Data may also be considered unusable due to poor or undocumented QAPP implementation, lack of project documentation, incomplete reporting of data or information, poor QC results and/or project monitoring objectives unsuitable for MassDEP assessment purposes. Best professional judgment is used to make the final determination regarding data validity and usability for assessment purposes. External data are not qualified by the DWM-WPP in any way, but are considered either acceptable for use or not (as a whole or in part). External data greater than five years old, with few exceptions, are generally considered unusable for assessment decisions because they are not representative of current conditons.

Consolidated Assessment and Listing Methodology (CALM)

In 2002 the EPA published the *Consolidated Assessment and Listing Methodology – Toward a Compendium of Best Practices* or CALM Document (EPA 2002) aimed at improving states' monitoring and assessment programs and making data and information more available to the public. The CALM Document provided guidance to the states on how to update and clarify the decision making process for assessing the attainment of water quality standards. Prior to the 2012 CWA integrated reporting cycle the MassDEP included its assessment procedures in individual watershed assessment reports. For the 2012 IR, however, MassDEP published a stand-alone CALM Guidance Manual (MassDEP 2012) that contained a brief summary of the SWQS that define the goals for water quality in the state, the requirements for assessing the quality of data to be used for CWA reporting, the methods of reviewing water quality data and information used by the MassDEP to make use assessment decisions, and the use of the ADB for storing and reporting those decisions in the IR format. Extensive revisions were made to the Massachusetts CALM manual in anticipation of the 2016 CWA assessment and reporting cycle. The 2016 CALM Guidance Manual (MassDEP 2016a) incorporates evaluation methods for long-term continuous monitoring datasets (e.g., dissolved oxygen and temperature), screening methods to determine whether or not conditions are natural, more detailed screening guidelines used to make nutrient enrichment decisions and updated evaluation methods for toxic pollutants. In addition, guidance was developed for the documentation and submittal to MassDEP of external data from nongovernmental sources, such as volunteer monitoring groups, that wish to have their data considered for use in assessing and listing waters. The 2016 CALM Guidance Manual can be found online at http://www.mass.gov/eea/docs/dep/water/resources/07v5/2016calm.pdf.

Details pertaining to how environmental data and information are utilized to make use-attainment decisions for each designated use and water body type included in the IR are presented in the 2016 CALM Guidance Manual and are not reproduced here. The determination of whether or not a water body supports its designated uses is a function of the type(s), quality and quantity of available current information. While the SWQS prescribe minimum water quality criteria to sustain the designated uses, numerical criteria are not available for every indicator of pollution. Best available guidance in the literature may be applied in lieu of actual numerical criteria. Excursions from criteria due solely to naturally occurring conditions do not constitute violations of the SWQS and are not causes of use impairment.

If possible, each designated use, within a particular AU, is individually assessed as "supporting" or "not supporting". When too little current data or information are available to make an assessment the use is identified as having "insufficient information". When no reliable data are available the use is "not assessed". However, if there is some indication of water quality impairment, which is not naturally-occurring, the use is identified with an "Alert Status". It is important to note that not all waters are assessed. Many small and/or unnamed rivers, lakes and estuarine areas have never been assessed; the status of their designated uses has never been reported in historical s. 305(b) reports or in more recent IR format; nor is information on these waters maintained in the ADB. These waters do not have assigned AUs and are considered "not assessed other waters".

In addition to assessing the use-status of each AU for which data are available, s. 305(b) guidance specifies that, whenever possible, the causes and sources of impairment be identified for those AUs not supporting one or more designated use(s). A large number of cause and source codes are available for selection when storing assessments in the ADB. Those codes that are typically used by the MassDEP are presented in Appendix F of the 2016 CALM Guidance Manual.

Causes of use impairment may be expressed as individual variables that suggest the degree of contact with an environmental stressor, such as a water-column pollutant concentration (e.g., phosphorus, ammonia, chloride, etc.) or a level of ambient toxicity ("exposure indicators"). Other causes are expressed as "response indicators" which provide measures of integrated or cumulative reactions to exposure and stress. Algae blooms, fish kills and deleterious changes in the structural or functional integrity of aquatic macroinvertebrate communities are all examples of biological response indicators that may be identified as causes of impairment.

Sources are the discharges, land-use practices or other anthropogenic activities that contribute the pollutants or stressors that result in the impairment of one or more designated uses of a water body. Impairments may result from both point sources and nonpoint sources of pollution. Point sources discharge pollutants directly into surface waters from pipes, channels or similar conveyances and include, but are not limited to, industrial and municipal wastewater treatment facilities, CSOs and storm sewers. Nonpoint sources deliver pollutants to surface waters from diffuse origins. Examples include urban runoff that is not captured in a storm sewer, agricultural runoff, untreated landfill leachate and malfunctioning septic systems. Because water quality conditions at any site are a reflection of all of the various land uses and activities occurring within the watershed, source(s) of impairment can be difficult to identify with a high degree of certainty. MassGIS datalayers (e.g., orthophotos, land-use patterns and urbanization) and DMF sanitary survey reports are consulted when attempting to identify potential sources of pollution. Sources can be entered into the ADB as either "confirmed" or "suspected" but sources of impairment generally remain unconfirmed unless a more intensive analysis, such as the development of a TMDL, is carried out.

Through the 2012 reporting cycle, the MassDEP provided details pertaining to the assessment process and its application to specific water bodies (i.e., AUs) in individual watershed assessment reports that were completed on a continuous rotating schedule. Following the 2014 reporting cycle, which did not involve any new watershed assessments, the preparation of these assessment reports was discontinued in order to streamline the assessment process and complete future assessments in a timelier manner. For the 2016 reporting cycle, summary statements pertaining to the use assessments and listing decisions for each individual AU have been entered into the appropriate comment fields in the ADB. The assessment

and listing decisions, along with pertinent supporting data and information, are also maintained in a watershed "repository" document that is not intended for publication.

The ADB automates the production of the IR by generating output files that are then assembled into a single, multi-part list, as described in more detail in the next section of this report. Following the approval of the 303(d) List (i.e., Category 5), the assessment and listing information contained in the ADB forms the basis for developing the subsequent IR to be completed two years later. Meanwhile, the ADB is populated with new information as the latest assessment and listing decisions are made. New assessments may result in changes to the listing status of AUs; however, impairments remain with AUs from one reporting cycle to the next unless new data indicate that the impairment no longer exists, a change in assessment methodology has resulted in a delisting of the impairment, or a TMDL has been approved.

A spatial representation of the assessment and listing decisions is made available to the public through an ArcGIS 10 geodatabase file and its supporting shapefiles and databases. These files can be downloaded from the MassGIS website once the IR is finalized and Category 5 (i.e., the 303(d) List) is approved by the EPA. (For the 2014 IR, see: http://www.mass.gov/anf/research-and-tech/it-serv-and-support/application-serv/office-of-geographic-information-massgis/datalayers/wbs2014.html). An interactive mapping tool is also available to provide access to this information without the need for ArcMap (http://www.mass.gov/eea/agencies/massdep/water/watersheds/integrated-list-of-waters.html).

Shared Waters

The EPA encourages states with shared water bodies to collaborate with one another in the development of their IRs in an attempt to make assessments for those waters as consistent as possible. Many factors can contribute to discrepancies in the use attainment determinations rendered by neighboring states for the same waters. States may vary with respect to the specific goals for those waters set forth in their respective SWQS. Furthermore, differing assessment and listing methodologies, or even asynchronous rotating watershed assessment schedules may lead to assessment and listing inconsistencies between states. Prior to making individual watershed assessments the MassDEP attempts to gather all existing and readily available data and information from as many sources as possible, including neighboring states. Nonetheless, discrepancies often do exist for the reasons cited above.

DEVELOPMENT OF THE 2016 INTEGRATED REPORT

The final version of the 2014 IR (MassDEP 2015a) was submitted to the EPA on December 11, 2015 and the 303(d) List was approved on February 23, 2016. However, no new watershed assessments had been completed since the submittal of the 2012 IR. Newly approved TMDLs, the addition of a few DPH fish consumption advisories and comments received during the public review period were the only new sources of information represented in the 2014 IR. By submitting a 2014 IR with few substantative changes from 2012, MassDEP was able to focus more resources on revising the CALM Guidance Manual and developing and implementing a number of new program enhancements aimed at completing as many new watershed assessments and listing updates as possible for the 2016 IR cycle. For example, from 2005 – 2011 the DWM-WPP completed water quality and biomonitoring surveys in almost all watersheds and coastal drainage areas (Table 3), yet, as recently as the 2014 integrated reporting cycle, data obtained during many of those surveys had not been processed and validated and, therefore, remained unavailable for making assessment and listing decisions. Data management obstacles, contributed to a considerable lag between the time the monitoring surveys were carried out and the point at which the data were available for assessments and other purposes. In addition, the increasing variety of data sources, as well as the volume and types of data available for making assessment decisions (e.g., discrete and continuous), demanded that a review and modification of the assessment process be undertaken in order to complete assessments and listing decisions more efficiently.

Table 3: Approximate number of sites monitored from 2005 – 2011 by the DWM/WPP. Table includes all water types (rivers, streams, lakes and ponds). Sites vary with respect to sampling frequency, methodology and parametric coverage. Most data from 2005 – 2009 and selected data from 2010 – 2011 were used to complete watershed assessments for the 2016 integrated reporting cycle pursuant to the requirements of CWA ss. 305(b) and 303(d).

Year	Watershed	Number of Sites Monitored					
		Water quality (streams)	Macro-invertebrates	Fish population	Fish toxics	Algae	Lakes
2005	Buzzards Bay	25	9	--	2	3	6
	Deerfield	30	15	6	1	10	--
	Ipswich	15	8	1	1	4	--
	Millers	21	9	--	2	6	--
	Shawsheen	11	10	1	1	3	--
	(Multiple)	--	--	--	2	--	30
2006	Concord	31	9	--	--	--	--
	Farmington	18	11	--	--	7	4
	South Coastal	17	14	6	--	6	--
	Taunton	24	17	--	--	6	--
	Westfield	36	11	--	2	8	4
2007	Charles	32	13	4	2	26	--
	Housatonic	30	14	6	1	5	--
	Hudson	25	12	6	2	19	--
	North Coastal	21	8	6	2	8	--
	Ten Mile	22	6	--	--	--	--
	(Multiple)	--	--	--	8	--	1
2008	Blackstone	51	16	7	2	20	5
	Chicopee	49	17	6	2	17	2
	Connecticut	33	11	14	2	11	--
	Nashua	50	17	9	1	13	--
	(Multiple)	--	--	--	7	--	--
2009	Cape Cod	10	14	7	5	11	8
	Mystic	16	6	6	--	6	--
	Narragansett/Mt. Hope Bay	18	8	8	2	--	--
	Neponset	20	12	8	3	11	2
	Weymouth/Weir	23	11	7	2	6	--
	(Multiple)	--	--	--	4	--	3
2010 - 2011	(Multiple)	100	74	70	8	11	6

Concerted efforts have been made, since the 2012 cycle, to address the data management issues, streamline assessment methods and redirect resources to address the backlog of data to be processed. These efforts resulted in improved data validation procedures, automated decision matrices designed to relate data to the appropriate AUs and an expanded use of GIS applications and facilitated data flows from both MassDEP's monitoring programs, as well as those of other agencies. As a result of these efforts, all of the 2005 – 2009 survey results, as well as data from selected monitoring projects through 2011 were used for making use-support determinations for the 2016 assessment and listing cycle.

The MassDEP's intensive efforts to validate and report on its back-logged monitoring data and to streamline the assessment and listing process culminated in the completion, for the 2016 integrated reporting cycle, of a statewide assessment (i.e., all watersheds) of the shellfish harvesting, primary and secondary contact recreation and aesthetic uses, as well as the assessments of the aquatic life use-attainment status of 15 watersheds and/or coastal drainages (Figure 3). For this reason, the number of changes made during the 2016 reporting cycle far exceeds that for the 2014 IR. While no new DPH fish advisories were issued since the completion of the 2014 IR, impairments of the fish consumption use were applied to seven new AUs in the Millers River Watershed for the 2016 reporting cycle because the prevailing advisory for this watershed was worded to include all tributaries joining the Millers River downstream from its confluence with the Otter River. All assessment and listing decisions were input to the ADB and each AU was assigned to the appropriate list category, as described in further detail below.

The IR format allows states to meet the provisions of CWA ss. 305(b), 303(d) and 314 by presenting the use-attainment status of all of their assessed waters in a single, multi-part list. To that end, the MassDEP has placed each AU in one of five categories, as described in more detail below. It should be reiterated here that the ADB does not contain AUs for all of the surface waters in Massachusetts. Only those waters for which assessments of one or more designated uses were actually completed at some time in the past are included in the database. Surface waters that have never been assessed are not explicitly listed in the IR and they are considered Category 3 (i.e., no uses assessed) waters by default. As water quality monitoring and data collection efforts are carried out in waters not previously assessed AUs are defined and added to the ADB, resulting in greater representation of Massachusetts' surface waters with each updated reporting cycle.

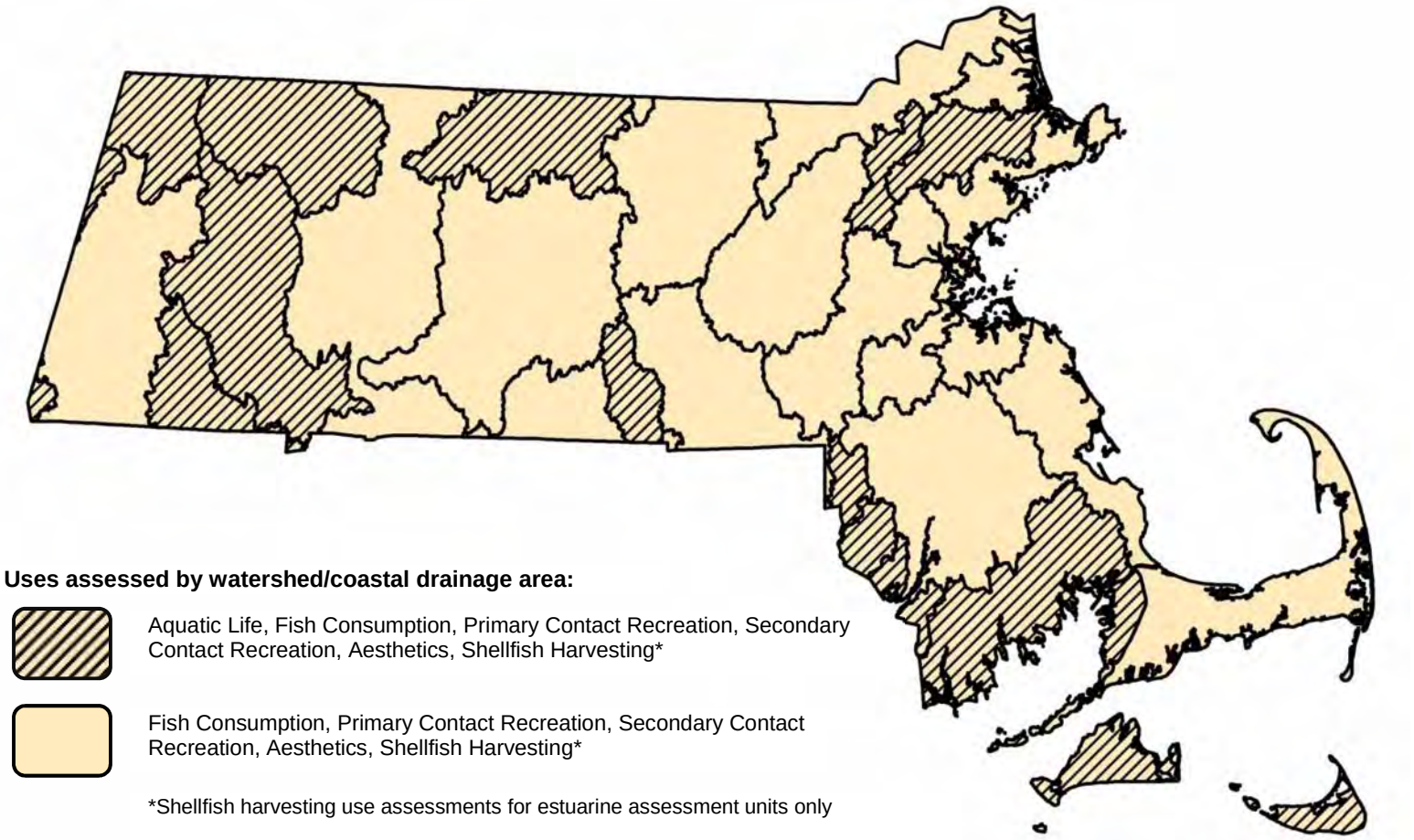
List Categories 1 - 4

Categories 1-3 include those waters whose designated uses are either supported or not assessed. Waters attaining all of their uses would be included in Category 1; however, no Massachusetts waters are listed in this category because a statewide DPH advisory pertaining to the consumption of fish precludes any waters from being in full support of the fish consumption use (see Fish Consumption Advisories later in this section). Those waters that are supporting some uses, but are not assessed for all other uses, are listed in Category 2. However, the Category 2 list does not contain AUs that support some uses but are impaired for others. Impaired waters are listed in categories 4 and 5 (see below) but supported uses are not identified in these lists due to space constraints. Finally, Category 3 contains those waters for which insufficient or no information is available to assess any of their designated uses. Waters for which assessments are determined to be insufficient for 303(d) listing are also included in Category 3.

Waters exhibiting impairment for one or more uses are placed in either Category 4 (impaired, but not requiring TMDLs) or Category 5 (impaired, and requiring one or more TMDLs) according to the EPA guidance. Category 4 is further divided into three sub-categories – 4a, 4b and 4c – depending upon the reason that TMDLs are not needed. Category 4a includes waters for which the required TMDL(s) have already been completed and approved by the EPA. However, since MassDEP chooses to list each AU in only one category, waters that have an approved TMDL for some pollutants, but not others, remain in Category 5 until TMDLs are approved for all of the pollutants impairing those waters.

Category 4b was proposed by the EPA to list waters for which pollution control measures other than TMDLs are expected to attain all designated uses. Massachusetts attempted to use this category in 2004 to list lakes and ponds impaired solely by mercury deriving from atmospheric deposition. However, the

Figure 3. Designated use assessment and listing decisions updated by the MassDEP for the 2016 CWA 305(b)/303(d) reporting cycle. A statewide assessment and listing decision update was completed for the fish consumption, shellfish harvesting, primary and secondary contact recreation and aesthetic uses. The support status of the aquatic life use was also updated for waters in 15 watersheds and/or coastal drainages. Individual watersheds and drainage areas are identified in Figure 1.



use of this category was disapproved by the EPA (see Waters Impaired by Mercury later in this section). Massachusetts is not including any waters in Category 4b for the 2016 listing cycle.

The CWA distinguishes between “pollutants” such as nutrients, metals, pesticides, solids and pathogens that all require TMDLs and “pollution” such as low flow, habitat alterations or non-native species infestations that do not require TMDLs. Non-pollutant impairments are marked with an asterisk in the IR to distinguish them from pollutants requiring TMDLs. Water bodies impaired solely by “pollution” are included in Category 4c unless there are also TMDLs approved for them, in which case they appear in Category 4a.

When developing TMDLs and pollution control strategies it is often more efficient to focus limited resources collectively on waters that exhibit the same types of impairments. For example, the Northeast Regional Mercury TMDL (see Waters Impaired by Mercury) establishes the mercury reduction goal and management strategy for multiple water bodies throughout New England that are impaired by the atmospheric deposition of mercury. In addition, the MassDEP has worked collaboratively with the EPA to derive “bundled” TMDLs and cleanup plans at the watershed scale for waters impaired by bacteria. These state- or watershed-wide TMDLs were designed such that additional waters, found to be similarly impaired subsequent to the approval of the TMDLs, could, if applicable, be proposed for coverage under those TMDLs. While these waters are addressed in supplemental documents, or addenda, to the original TMDLs, they must be reviewed by the public and approved by the EPA like any other TMDLs.

The 303(d) List of Impaired Waters - List Category 5

While the EPA guidance provides the overall framework for a five-part list of waters, the development, submittal and review of Category 5 remains subject to the prevailing regulation governing the implementation of s. 303(d) of the CWA. This regulation requires states to identify and list those water bodies that are not expected to meet SWQS after the implementation of technology-based controls and, as such, require the development of TMDLs. States must include on the lists the specific cause(s) of the impairment (if known). Finally, guidance pertaining to s. 303(d) is clear with respect to the removal of water bodies from the list. Water bodies can be removed from Category 5 when TMDLs are approved by the EPA for all pollutants impairing that water body (note that these waters are now listed in Category 4a until it is determined that they are no longer impaired). In addition, there are some instances when a previously listed water body can be removed from the 303(d) List without calculating a TMDL. These include: 1) when a new assessment reveals that the water body is now meeting all applicable water quality standards or is expected to meet those standards in a reasonable timeframe as the result of the implementation of required pollution controls; 2) when flaws in the original analysis of data and information led to an incorrect listing decision; 3) when the development of a new listing methodology, consistent with state SWQS and EPA listing requirements, and a reassessment of the data that led to the prior listing, conclude that SWQS are now attained; and 4) a determination that a previously listed water is not impaired by a pollutant.

In preparing 303(d) lists states are required to assemble and evaluate all existing and readily available data, including, but not limited to, the most recent 305(b) report and 319 nonpoint source assessment report, dilution calculations or predictive simulation models and reports by government agencies, members of the public or academic institutions. When conducting individual watershed assessments the MassDEP relies on these and additional information sources as described earlier in this document. The development of the 2016 Category 5 (i.e., 303d) list began with a review of Category 5 waters contained in the 2014 List. To these were added previously unlisted water bodies that were determined, as the result of assessments completed since the 2014 reporting cycle, to be impaired due to the presence of one or more pollutants.

As an integral part of the assessment and listing process, waters were listed in Category 5 if they were identified as impaired (i.e., not supporting one or more intended use), the impairment was related to the presence of one or more pollutants, and the condition was not considered to be natural. However, to AUs with incomplete or anecdotal information suggesting the possibility of use impairment an “alert status” was assigned during the watershed assessment and listing process so that they may be targeted for

monitoring and follow-up assessments. These water bodies were not placed on the 303(d) List because the MassDEP believed there were insufficient data to support doing so.

Waters Impaired by Nutrients

The Massachusetts SWQS do not include numeric criteria for the essential plant nutrients, nitrogen and phosphorus. Instead, narrative statements specify that waters "shall be free from nutrients in concentrations that would cause or contribute to impairment of existing or designated uses." Nonetheless, the lack of numeric criteria does not preclude the identification of nutrient-related impairments and MassDEP analysts rely on a variety of indicators of nutrient enrichment in a weight-of-evidence approach when assessing water quality conditions. Biological "response" indicators of nutrient-related impacts include the presence of nuisance growths of algae or other aquatic plants – particularly those non-rooted forms, such as duckweed and watermeal that derive nutrients directly from the water column and may exhibit blooming conditions in enriched waters – or even changes in benthic macroinvertebrate community structure. These response indicators may be collectively represented by the pollutant "Nutrient/Eutrophication Biological Indicators" when listing waters impaired by nutrients. Excessive primary productivity may also be evidenced by diel fluctuations in physico-chemical variables, such as dissolved oxygen and pH. When available, phosphorus and nitrogen data are screened against 1986 EPA recommended "Gold Book" criteria (EPA 1986)**,** but nutrient concentrations, alone, are not currently utilized to determine impairment due to nutrient overenrichment. Elevated nutrient levels may serve to corroborate the presence of "response" indicators, and may help to identify potential sources (e.g., release of phosphorus from anoxic sediments). Nutrient enrichment is not considered to be problematic when "response" indicators, as described above, are absent even if nutrient concentrations exceed their recommended "Gold Book" criteria. However, when a combination of "response" indicators considered in a weight-of-evidence scheme suggest the occurrence of nutrient pollution and nutrient concentration data exceed the applicable EPA criteria, that particular nutrient may also be identified as a cause of impairment. The following information pertaining to how the MassDEP identifies nutrient impairments in rivers, lakes and estuaries is adapted from the 2016 CALM Guidance Manual which should be consulted for more detailed information pertaining to all of these indicators.

Rivers: When nuisance growths of algae (e.g., blooms, algal mats, etc.) or macrophytes (particularly non-rooted forms) are observed on more than one site visit during the summer index period changes in physico-chemical data, such as dissolved oxygen (depletion and/or supersaturation), pH, and chlorophyll are also considered. If a combination of these indicator data strongly suggests high productivity/nutrient enrichment the aquatic life use is assessed as impaired. Total phosphorus is included as a cause of impairment if the concentrations exceed EPA's "Gold Book" criteria. For river segments with impoundments, a conservative evaluation of nutrient-related response indicators following the guidance described for lakes may be conducted.

Lakes: Indicators of nutrient enrichment in lakes typically include the occurrence of planktonic blooms (particularly cyanobacteria), extensive cover of non-rooted aquatic macrophytes, such as duckweed or watermeal, decreased Secchi disk transparency, oxygen depletion and/or supersaturation, elevated pH values and elevated chlorophyll concentrations. The frequent and persistent presence of a combination of these indicators typically results in a decision that the aquatic life use is impaired. Total phosphorus is included as a cause of impairment if the concentrations exceed EPA's "Gold Book" criteria.

Estuaries: MassDEP analysts currently utilize the areal coverage of seagrasses or other submerged aquatic vegetation and, where applicable, the habitat health indicator analysis developed for the Massachusetts Estuaries Project (MEP), to identify nutrient impairments in estuaries and coastal embayments (Howes *et al*. 2003). Because the ADB does not provide a specific cause code to apply to impaired seagrass populations, the MassDEP has chosen to use "Estuarine Bioassessments" for this purpose. Assessment decisions are based on whether or not the eelgrass meadows within the AU are stable or are diminishing. For embayments in southeastern Massachusetts the MEP has generated a significant amount of enrichment indicator data based on a weight-of-evidence approach that includes several response variables (e.g., eelgrass, macroalgae, chlorophyll, dissolved oxygen, Secchi disk and

total nitrogen). Since this project is intended to develop site-specific nutrient (nitrogen) thresholds for these coastal systems, their overall assessments of habitat health are utilized to make aquatic life use attainment decisions.

Biological Assessments

When determining the extent to which water bodies are supporting the aquatic life use, as designated in the SWQS, the MassDEP often relies on the results of biological surveys, with or without supplemental physico-chemical analyses. Macroinvertebrate, fish and periphyton (i.e., attached algae) communities, often in combination, are typically used for making this assessment. While these community assessments are invaluable for determining use impairment, they often do not provide insight pertaining to the cause or source of the apparent disturbance and, therefore, may not implicate "pollution" or "pollutants" as contributing factors. Nonetheless, the EPA guidance is clear with regard to the use of biological assessments for listing in Category 5 and, in most instances, the MassDEP lists those waters that exhibit impaired aquatic communities.

The MassDEP prefers to make aquatic life use determinations based on an assessment of more than one community, and waters exhibiting impaired fish and invertebrate communities, for example, are strong candidates for listing in Category 5. Nonetheless, an assessment based on a single community may also result in a decision that the aquatic life use is not supported. This depends, in part, on whether the assessment relies on a screening level of effort or a more intensive analysis. When making an aquatic life use-attainment determination from an assessment of the invertebrate community the MassDEP relies on the EPA Rapid Biomonitoring Protocol (RBP) III (Plafkin *et al*. 1989; Barbour *et al*. 1999). This protocol entails taxonomic identification to the genus and species level, thus providing more information pertaining to the environmental preferences and sensitivities to pollution and other stressors of individual taxa than is achievable by screening techniques that use only family- or order-level taxonomic resolution. The MassDEP has established the RBP III or equivalent analysis as a minimum requirement for purposes of listing waters in Category 5.

Cold Water Fisheries

The timely availability of new sources of instream temperature and fish population data, combined with increasing concern over the loss of *Salvelinus fontinalis* (brook trout) habitat in Massachusetts, resulted in the initiation of a concerted effort by MassDEP to better define the thermal requirements of cold water fishes, and to develop protocols to identify, protect, enhance, and/or restore cold water fisheries habitat. Guidance pertaining to the use of fisheries and thermal datasets to determine the use-attainment status of cold water fisheries was developed and described in the 2016 CALM. Designated and "Existing Use" cold waters were identified as impaired for the aquatic life use if cold water fish species populations were absent from them. These waters were also impaired if, despite the presence of cold water fish, recommended temperature criteria were exceeded, thus offering protection against any further loss of cold water habitat where anthropogenic influences can be minimized or mitigated.

Fish Consumption Advisories

The EPA provides guidance pertaining to the use of fish and shellfish consumption advisories when making s. 303(d) listing decisions. In short, the EPA considers a fish-consumption advisory as evidence that the fish consumption use is not supported when the advisory is based on actual fish tissue data collected from the specific water body in question. To date, the DPH has issued advisories pertaining to the presence of mercury, PCBs, PAHs, DDT and other contaminants in freshwater fish. A list and map of DPH site-specific fish consumption advisories can be found at http://www.mass.gov/eohhs/gov/departments/dph/programs/environmental-health/exposure-topics/fish-wildlife/fish/freshwater-fish-consumption-advisory-list-and-map.html. Waters subject to site-specific advisories, based on actual fish tissue analyses from those waters, are included on the 303(d) List. In 1994, the DPH issued a statewide consumption advisory due to widespread mercury contamination found in

freshwater fish. This advisory was revised in 2001. Because the statewide advisory encompasses all fresh waters, these waters cannot be considered as "fully supporting" the fish consumption use.

Waters Impaired by Mercury

Waters covered by the DPH statewide advisory, as well as site-specific mercury advisories, may be impaired by local sources of mercury or by atmospheric deposition from near- and far-field sources, or both. Massachusetts, along with other northeastern states and Canadian provinces, has taken a lead role in reducing mercury pollution despite the inherent complexity of the problem (Harvey and Smith 2004). See http://www.mass.gov/eea/agencies/massdep/toxics/sources/mercury-management-act-and-other-initiatives.html for information on the Massachusetts Mercury Management Act and other initiatives underway to reduce mercury emissions in Massachusetts and the Northeast.

In 2004 the MassDEP noticed for public review and comment a document entitled *A TMDL Alternative Regulatory Pathway Proposal for the Management of Selected Mercury-Impaired Waters (CN 176.0).* This proposal, prepared as a supplement to the 2004 IR, asserted that a combination of federal, regional and state controls on mercury was the most effective means of remediating the mercury impairment to air-impacted waters and that Massachusetts was effectively implementing a comprehensive plan to address in-state mercury sources. Therefore, the establishment of water body-specific TMDLs using the traditional approach was not considered to be a wise use of resources, and would not effectively address the problem. Thus, 90 lakes and ponds impaired solely by the atmospheric deposition of mercury were removed from Category 5 (i.e., the 303d list) and placed in Category 4b (i.e., impaired, but not requiring a TMDL) of the 2004 IR. In June, 2006 the EPA partially approved and partially disapproved the 2004 303(d) List (i.e., Category 5 of the 2004 IR). Specifically, the EPA disapproved Massachusetts' decision not to list the lakes and ponds impaired by atmospheric deposition as outlined in the alternative pathway document. In their review document the EPA indicated their intent, following public review and comment, to add the 90 lakes and ponds to the Massachusetts 303(d) List as impaired by mercury. As a result, the use of Category 4b was discontinued and all waters for which site-specific mercury health advisories were in force appeared in Category 5 of the 2004 IR.

With the return of the lakes and ponds impaired solely by the atmospheric deposition of mercury to the 303(d) List, the MassDEP embarked on a collaborative effort with the five other New England states, New York State and the New England Interstate Water Pollution Control Commission (NEIWPCC) to develop a regional TMDL for mercury (CTDEP *et al*. 2007). This effort resulted in a strategy for reducing mercury concentrations in fish from Northeast water bodies so that water quality standards can be met. The strategy calls for mercury reductions at sources within the Northeast region, in states outside of the region and from outside of the United States. In the Northeast, the majority of mercury pollution derives from atmospheric deposition. Therefore, the regional TMDL is based primarily on reducing atmospheric mercury by lowering anthropogenic mercury emissions. The *Northeast Regional Mercury Total Maximum Daily Load* can be accessed at http://www.mass.gov/eea/agencies/massdep/water/watersheds/total-maximum-daily-loads-tmdls.html#multis. Following a public information meeting on April 11, 2007 and subsequent 60-day public review period, the regional mercury TMDL was submitted to the EPA on October 24, 2007. The EPA approved the TMDL on December 20, 2007, and the affected lakes and ponds were moved to Category 4a (i.e., water body impaired, but requisite TMDL is completed and approved) of the 2008 and subsequent lists unless they exhibited additional impairments. In a 2012 addendum to the original document, the northeast mercury TMDL was applied to 20 additional water bodies for which more recent DPH mercury advisories had been issued (MassDEP 2012).

Since 1994, MassDEP has carried out a series of research projects and long-term monitoring programs designed to measure, both spatially and temporally, the tissue burdens of mercury in fish as part of its larger efforts to understand and control the inputs and effects of mercury in the Massachusetts environment. Details pertaining to these monitoring programs are presented at http://www.mass.gov/eea/agencies/massdep/toxics/sources/environmental-monitoring-and-fish-consumption-advisories.html. Through the use of statistically-valid study designs, long-term trends in mercury concentration can be determined, thus providing a measure of the overall effectiveness of the

multiple programs aimed at the elimination or reduction of mercury releases to the environment. Results of long-term monitoring of 23 lakes exhibited significant declines in fish mercury concentrations concomitant with decreases in mercury emissions from municipal solid waste combustors and other sources (Hutcheson *et al*. 2014). MassDEP intends to continue monitoring mercury in fish tissue as resources allow.

Predictive Models and Evaluated Information

The EPA guidelines specify the kinds of data and information that should be used when making decisions to list waters in Category 5, and this information is not restricted to direct observations (i.e., monitoring data). Rather, waters should be included in Category 5 if evaluations such as dilution calculations or predictive simulation models forecast non-attainment of water quality standards. During the 1970s and 1980s the MassDEP used steady-state, low-flow stream models to calculate waste load allocations (WLA) for point discharges. Aimed primarily at reducing instream biochemical oxygen demand and ammonia loads, the WLA were adopted in 303(e) basin plans and incorporated in individual NPDES wastewater discharge permits. As a result, secondary or advanced waste treatment were implemented where necessary across Massachusetts, although occasional reviews are still needed to assess the adequacy of existing treatment in light of anticipated increases in wastewater flows. Because of the complex and site-specific nature of remaining water quality problems (e.g., nutrients, toxics, etc.) predictive models have limited value in identifying impaired waters. In fact most modeling is now carried out for waters where impairments have already been confirmed by actual water quality or biomonitoring data. Nonetheless, predictive models continue to be utilized in combination with actual field data to fully assess water quality conditions and to derive acceptable pollutant loadings from point and nonpoint sources. Model results are considered in the 303(d) listing process in cases where those models forecast unconfirmed water quality problems. For example, when making assessment and listing decisions waters receiving CSOs are projected to violate standards even though confirmatory field data may be unavailable.

PRIORITIZING WATERS FOR TMDL DEVELOPMENT

A key component of the 303(d) listing process is establishing timelines for TMDL development. It is recommended in EPA guidance "that States develop a schedule for establishing TMDLs as expeditiously as practicable" (EPA 2005). More specifically, states must identify which TMDLs will be developed in each of the two years leading up to the next listing (i.e., 2018), and the approximate number of TMDLs to be derived for each year thereafter. Furthermore, "States need not specifically identify each TMDL as high, medium or low priority. Instead the schedule itself can reflect the State's priority ranking." The TMDL schedule is intended to communicate the state's priorities to the public and the EPA and to assist with the allocation of resources to the TMDL development effort. The schedule is not subject to approval by the EPA.

A review of recent 303(d) List submittals will reveal that the major causes of surface water impairment in Massachusetts are ***bacteria*** and ***excess nutrients***. For this reason the MassDEP continues to place a high priority on developing and implementing TMDLs for these pollutants, and this is implicit in the TMDL schedule. During FY2017 – FY2018 the MassDEP will focus on several TMDLs and related projects that have been assigned high priority. These projects are tabulated and summarized in Table 4. Since many of these projects carry over from year to year, detailed schedules for beyond FY2018 cannot be developed at this time. It should be noted that the MassDEP's capacity to finalize TMDL documents is highly dependent upon the availability of both internal and external resources, such as staffing and funding.

Table 4. Total Maximum Daily Loads (TMDLs) scheduled by the MassDEP for development during FY2017 – FY2018.

Project	TMDL Count	Req'd Public Mtg. Held?	Draft Tech Report[1]	Final Tech Report[1]	Draft TMDL	Projected EPA Approval of Final TMDL
Bacteria TMDLs						
Boston Harbor	33	yes	N/A	N/A	Completed	FY-17
Islands	15	yes	N/A	N/A	Completed	FY-18
Merrimack River	22	yes	N/A	N/A	Completed	FY-18
Ipswich River	9	yes	N/A	N/A	Completed	FY-18
Parker River	10	yes	N/A	N/A	Completed	FY-18
Blackstone	10	yes	N/A	N/A	Completed	TBD
Nashua	12	yes	N/A	N/A	Completed	TBD
SuAsCo	13	yes	N/A	N/A	Completed	TBD
Ten Mile River	5	no	N/A	N/A	To be completed	TBD
Connecticut	9	no	N/A	N/A	To be completed	TBD
Deerfield	3	no	N/A	N/A	To be completed	TBD
Hoosic	6	no	N/A	N/A	To be completed	TBD
Housatonic	6	no	N/A	N/A	To be completed	TBD
Westfield	3	no	N/A	N/A	To be completed	TBD
Chicopee	8	no	N/A	N/A	To be completed	TBD
F&Q	6	no	N/A	N/A	To be completed	TBD
Millers	9	no	N/A	N/A	To be completed	TBD
Subtotal Bacteria	179					
Massachusetts Estuaries Project (MEP) Nitrogen TMDLs						
Allens, Wychmere, Saquatucket Harbors, Harwich	3	yes	Completed	Completed	Completed	Approved[2]
Herring River, Harwich	1	yes	Completed	Completed	Completed	Approved[2]
Westport Rivers, Westport	3	yes	Completed	Completed	Completed	FY-17
Bass River,Yarmouth, Dennis	7	yes	Completed	Completed	In progress	FY-18
Slocums & Little Rivers, Dartmouth	2	no	Completed	Completed	In progress	FY-18
Swan Pond, Dennis	2	no	Completed	Completed	In progress	FY-18
Parkers River, Yarmouth	3	no	Completed	Completed	In progress	FY-18

Quisset Harbor, Falmouth	1	no	Completed	Completed	In progress	FY-18
Fiddlers Cove/Rands Harbor, Falmouth	3	no	Completed	Completed	In progress	TBD
Wild Harbor	3	no	Completed	Completed	In progress	TBD
Waquoit Bay/Eel River, Falmouth, Mashpee	5	no	Completed	Completed	In progress	TBD
Black Point Pond. Chilmark	1	no	Completed	Completed	In progress	TBD
Tisbury Great Pond, Tisbury	3	no	Completed	Completed	In progress	TBD
Megansett-Squeteague Harbor, Falmouth	2	no	Completed	Completed	In progress	TBD
Subtotal Nitrogen	39					
Lake Phosphorus TMDL						
Monponsett Pond	4	no	N/A	N/A	In progress	FY-18
Subtotal Phosphorus	4					
Grand Total TMDL	222					

[1] Applies to Massachusetts Estuaries Program (MEP) projects only
[2] AUs covered by these approved TMDLs will be reported as such for the first time in the 2018 IR

Bacteria TMDLs

In 2006 MassDEP began working closely with the EPA Region 1 to develop "bundled" bacteria cleanup plans for all of Massachusetts' major watersheds. Although the goal was to complete half those TMDLs in each of 2006 and 2007, they were delayed because of a court decision in Washington, DC (on an unrelated project) that necessitated a major revision to the original approach. Since 2007, MassDEP has received the EPA's approval of watershed-wide bacteria TMDLs for the Charles and Taunton watersheds and the Buzzards Bay, Cape Cod, Three Bays (Barnstable), Mount Hope/Narragansett Bay, North Shore and South Shore coastal drainage systems. The plan for FY2017 through FY2018 is to continue to work, as resources allow, toward the finalization of bacteria TMDLs for the following coastal watersheds: Merrimack, Ipswich, Parker and the Islands. A plan will also be developed to complete draft TMDLs to address the remainder of freshwater bacteria impairments.

The Massachusetts Estuaries Project (MEP)

The MassDEP continues to derive TMDLs for nutrient-impaired coastal embayments in southeastern Massachusetts through collaboration with the School of Marine Science and Technology (SMAST) at the University of Massachusetts at Dartmouth (UMass-Dartmouth) and several municipalities that have been targeted for this project. This effort, referred to as the MEP, was initiated in 2001 to determine existing nutrient loads and to assist in the evaluation of future nutrient load scenarios for 89 estuaries located in 32 coastal communities. A TMDL for nitrogen was to be established for each water body, in accordance with MassDEP and EPA requirements. In 2009, the number of estuaries to be included in the MEP was reduced to 70 due to a lack of local matching funds and/or other project delays.

A linked-model is utilized to quantify nitrogen inputs to targeted bays and estuaries and to develop the TMDLs. The TMDLs, in turn, form the basis of sound wastewater and watershed management and are implemented through the formulation of Comprehensive Wastewater Management Plans (CWMP). Comprehensive wastewater management planning is a locally managed, community-wide process that

evaluates current and future wastewater needs, compares alternative solutions, and selects a final plan based on cost-effectiveness and environmental results. The CWMP is a key step toward implementation of TMDLs for nitrogen in southeastern Massachusetts estuaries and many towns are currently in various stages of this planning process.

To date, a total of 83 individual nitrogen TMDLs for waters in the Buzzards Bay and Cape Cod coastal drainage systems and representing 32 of the 70 targeted MEP estuaries have been approved by the EPA. Technical evaluations have been completed for another 14 estuaries. Subject to the availability of state funding and personnel resources, MassDEP will continue to assess nutrient-impaired coastal waters and develop nitrogen TMDLs for priority embayments in southeastern Massachusetts.

Long Island Sound Nitrogen TMDL Implementation

Long Island Sound (LIS) suffers from low dissolved oxygen, with excess nitrogen loading identified as the primary cause. As a result, Connecticut and New York developed a TMDL in 2001 to establish nitrogen reductions needed to meet water quality standards. The TMDL specifies a 58.5 percent reduction from nitrogen loading sources in Connecticut and New York, and reductions in the upper basin (Massachusetts, New Hampshire, and Vermont) of 25 percent for point sources and 10 percent for nonpoint sources. Massachusetts has largely achieved the reduction targets for both point and nonpoint sources. Actions taken by the states, to date, have resulted in significant nitrogen reductions in the watershed; however the LIS still does not meet water quality standards for dissolved oxygen.

In December 2015, EPA Regions 1 and 2 announced a new Nitrogen Reduction Strategy for the LIS. The strategy includes development and application of nitrogen thresholds for each of three watershed groupings: 1) coastal watersheds that directly drain to embayments or nearshore waters, 2) tributary watersheds that drain inland reaches, and 3) western LIS watersheds with large, direct-discharging wastewater treatment facilities. MassDEP will continue to work with EPA and state partners and the regulated community as the details of the strategy and timeline for its implementation proceed.

Assabet River Phosphorus TMDL Implementation

A Final Nutrient (Total Phosphorus) TMDL Report for the Assabet River, completed in 2004, established nutrient targets for the restoration of water quality in the Assabet River (http://www.mass.gov/eea/docs/dep/water/resources/a-thru-m/anuttmdl.pdf). The goal of the TMDL was to decrease the instream concentration of total phosphorus to mitigate some of the ecological effects of eutrophication on the river; these effects were, for the most part, direct consequences of the excessive growth of aquatic macrophytes. In 2007, the USGS, in cooperation with the MassDEP, initiated studies to evaluate conditions in the Assabet River prior to the upgrading of municipal wastewater treatment plants (WWTPs) to remove more phosphorus from their effluents. The USGS effort, completed in 2008, implemented a visual monitoring plan to estimate the areal extent and biomass of the floating macrophyte *Lemna minor* in five impoundments and evaluated the potential for phosphorus flux from sediments in impounded and free-flowing reaches of the river (http://pubs.usgs.gov/sir/2011/5179/). The MassDEP assumed responsibility for the visual assessments and collected monitoring data from the summer of 2009 through 2013. In addition, the MassDEP funded the USGS to conduct water quality monitoring through April 2014 to capture changes in instream loading before and after the municipal WWTPs were upgraded. USGS expects to publish a report on this study in fall of 2016.

Monitoring and Related Activities for the Blackstone River

The MassDEP and the USGS have been working cooperatively since 2007 to collect water quality information pertaining to nutrient and trace metal loadings to the Blackstone River. The objectives of the study were to (1) quantify nutrient and trace metal loadings in several segments of the Blackstone River in Massachusetts and at the Massachusetts – Rhode Island state line; 2) assess and, if possible, quantify nitrogen attenuation throughout the river; and 3) evaluate and quantify, if possible, the re-suspension of both nutrients and metals in two impounded segments of the river (i.e., Riverdale Impoundment and Rice

City Pond). Water samples were collected using an innovative automated sampling device designed and built by the USGS. Results of this study are reported in Zimmerman, *et al*. (2015).

From 2012 through 2016, the USGS, in cooperation with the MassDEP, installed a continuous streamflow and water-quality monitoring station on the Blackstone River at a point approximately 0.9 miles upstream from the Massachusetts-Rhode Island state line at Millville. The goal was to document nutrient reductions resulting from WWTP upgrades. The station operated continuously during that time, recording river stage, water and air temperature, specific conductance, turbidity and chlorophyll concentrations. Streamflow was monitored at a nearby site and the data were used to determine intervals for flow-proportional sampling for the determination of total nitrogen, total phosphorus and dissolved trace-metal concentrations. USGS expects to publish the report in FY 17.

MassDEP staff members continue to work collaboratively with the watershed associations, the Upper Blackstone Water Pollution Abatement District (UBWPAD) and their consultants on an ambient monitoring program for the Blackstone River. Future activities will focus on building partnerships with interested parties at all levels of government, as well as the private citizenry, to manage point and nonpoint sources of pollution throughout the Blackstone Watershed.

Mitigating Cranberry Farming Impacts – TMDL Development and Implementation

The MassDEP worked with several interested parties to implement the nutrient TMDL for White Island Pond (Plymouth/Wareham). The resultant benefits to the water quality of this pond are summarized in the EPA s. 319 NPS success story "Reducing Nutrients from Cranberry Bogs Improves White Island Pond" (see https://www.epa.gov/sites/production/files/2015-10/documents/ma_whiteisland.pdf). Local sources report that the White Island Pond remains clear. MassDEP has now moved on to another high priority water body, Monponsett Pond in the towns of Halifax and Hanson. The East and West basins of the pond are both a water supply and a multi-use pond system into which commercial cranberry bogs discharge floodwaters.

West Monponsett Pond, in particular, is impaired by nutrients and has exhibited repeated cyanobacteria blooms during the summer and into the fall. The situation is complicated by a legally allowed diversion of water from the East Monponsett Pond into Silver Lake as a water supply for the city of Brockton. There are commercial cranberry bogs that are tributary to both sides of the pond. MassDEP has been sampling the ponds and the streams and two other ponds upstream of Monponsett beginning in 2001, and from 2009 up to the present. MassDEP has continued to work cooperatively with the UMass Cranberry Experiment Station and with the Cape Cod Cranberry Growers Association to provide funding for Monponsett Pond via EPA s. 319 grants focusing on low-phosphorus fertilizers and tests of experimental iron sand filters for the bogs. Results are very encouraging, with total phosphorus levels in the ponds showing a decline in concentrations. The town also funded small aluminum additions in 2013 and 2015, but blooms have continued.

MassDEP is in the process of developing phosphorus TMDLs for all four ponds in the Monponsett Pond watershed. These TMDLs are expected to be released as draft in calendar year 2016. In September of 2016 MassDEP awarded to the town of Halifax an EPA s. 319 grant for a larger aluminum treatment for Monponsett Pond. MassDEP expects to continue to monitor Monponsett Pond (both East and West) into 2018 to measure the effectiveness of the TMDL implementation.

Mystic River Phosphorus Loading Analysis

Findings published in MassDEP water quality assessment reports (1999, 2004-2008) indicate that the primary causes of use impairment in the Mystic River Watershed are nutrients and pathogens, and approximately 25 river miles and several ponds appear on the 303(d) List as impaired by those stressors. High bacteria and nutrient levels are attributed to CSOs, stormwater runoff from impervious surfaces, faulty septic systems, illegal/cross connections between sewer and stormdrain systems and sediment

resuspension. Excessive nutrients contribute to frequent cyanobacteria blooms, rapidly expanding populations of invasive plants and low levels of dissolved oxygen.

MassDEP is currently finalizing TMDLs for bacteria in watersheds draining to Boston Harbor that will include the Mystic sub-basin. To address the nutrient-related impairment, the Mystic River Watershed Association (MyRWA) is working collaboratively with MassDEP, EPA Region 1, USGS and the Massachusetts Water Resources Authority to collect data and information that will help guide management decisions to address these water quality concerns. Together the participating organizations are supporting a baseline water quality monitoring program that entails the collection of composite samples linked to streamflow so that annual loadings of phosphorus to the Mystic River can be estimated. Furthermore, the phosphorus loads will be related to response variables by measuring water-column total phosphorus, dissolved oxygen and chlorophyll concentrations in critical reaches of the watershed. These analyses will support efforts to calculate a phosphorus budget for the watershed, and to suggest target reductions in phosphorus inputs from various sources in order to improve water quality and ecosystem conditions in the Mystic River Watershed.

The CWA Section 303(d) Program Long-term Vision – 2016 - 2022

In 2013, the EPA announced a new framework for prioritizing and implementing TMDLs and related pollution control strategies (Vision). The guidance for this Vision, which can be found at http://www.epa.gov/sites/production/files/2015-07/documents/vision_303d_program_dec_2013.pdf, allows the states to adopt strategies for carrying out the requirements of s. 303(d) that are tailored to individual state water quality program goals and priorities. Furthermore, while the statutory and regulatory obligations to develop TMDLs for waters identified on 303(d) lists remain in place -- and TMDLs will continue to be the prevailing mechanisms for addressing those waters -- it is acknowledged in the Vision that under certain circumstances there are alternative restoration approaches that may be more immediately beneficial or practicable in achieving SWQS than pursuing the TMDL approach from the beginning. Regardless of whether states choose to derive TMDLs or opt for alternative approaches to restoring their impaired waters, the Vision guidance calls for the states to identify by 2016 their long-term 303(d) program priorities through Fiscal Year 2022 or beyond. This will provide states the opportunity to strategically focus their efforts and demonstrate progress over time in achieving environmental results. In addition, the Vision allows states to integrate 303(d) program priorities with other water quality programs. For example, integration with water quality monitoring programs can lay the groundwork for gathering the data needed to assess baseline conditions in priority waters, to develop TMDLs, watershed-based plans or other restoration and protection plans, and to determine progress in restoring or protecting those waters. In the fall of 2016 MassDEP initiated an outreach effort with the intention of working collectively with a varied group of stakeholders to formulate a long-term statewide vision. It is currently anticipated that this effort wil result in the development of a plan that will guide CWA programs.

BIBLIOGRAPHY

General References

Ackerman, M.T. 1989. *Compilation of Lakes, Ponds, Reservoirs and Impoundments Relative to the Massachusetts Clean Lakes Program.* Massachusetts Department of Environmental Quality Engineering, Division of Water Pollution Control, Technical Services Branch. Westborough, MA.

Ackerman, M.T., Batiuk, R.A., and T.M. Beaudoin. 1984. *Compilation of Lakes, Ponds, Reservoirs and Impoundments Relative to the Massachusetts Lake Classification Program.* Massachusetts Department of Environmental Quality Engineering Division of Water Pollution Control, Technical Services Branch. Westborough, MA.

Barbour, M. T., J. Gerritsen, B. D. Snyder and J. B. Stribling. 1999. Rapid Bioassessment Protocols for Use in Streams and Wadeable Rivers: Periphyton, Benthic Macroinvertebrates and Fish, Second Edition. EPA 841-B-99-002. U.S. Environmental Protection Agency; Office of Water; Washington, DC.

Braden, J.B., L.O. Taylor, D. Won, N. Mays, A. Cangelosi and A.A. Patunru. 2006. *Economic Benefits of Sediment Remediation.* Final Report for Project GL-96553601. U.S. Environmental Protection Agency, Great Lakes National Program Office, Chicago, IL.

CDC. 2010. *Waterborne Diseases Could Cost over $500 Million Annually.* Press release of July 14, 2010. Centers for Disease Control and Prevention, Atlanta, GA.

Dodds, W.K., W.W. Bouska, J.L. Eitzmann, T.J. Pilger, K.L. Pitts, A.J. Riley, J.T. Schloesser and D.J. Thornbrugh. 2009. *Eutrophication of U.S. Freshwaters: Analysis of Potential Economic Damages.* Environ. Sci. Technol. 43(1): 12-19.

EEA. 2012. *Massachusetts Sustainable Water Management Initiative Framework Summary*. Massachusetts Executive Office of Energy and Environmental Affairs, Boston, MA. (accessed online at http://www.mass.gov/eea/docs/eea/water/swmi-framework-nov-2012.pdf)

EPA. 1986. *EPA Quality Criteria for Water 1986*. EPA 440/5-86-001. Washington, D.C.

EPA. 1997. *Guidelines for Preparation of the Comprehensive State Water Quality Assessments (305(b) Reports) and Electronic Updates Report Contents.* U.S. Environmental Protection Agency, Assessment and Watershed Protection Division (4503F); Office of Wetlands, Oceans, and Watersheds; Office of Water, Washington D.C.

EPA. 2001. *2002 Integrated Water Quality Monitoring and Assessment Report Guidance.* November, 19, 2001 Memorandum from Robert Wayland, Director of US Environmental Protection Agency's Office of Wetlands, Oceans and Watersheds to EPA Regional Water Management Directors, EPA Regional Science and Technology Directors, and State, Territory and Authorized Tribe Water Quality Program Directors.

EPA. 2002. *Consolidated Assessment and Listing Methodology. Toward a Compendium of Best Practices.* Office of Wetlands, Oceans and Watersheds, US Environmental Protection Agency, Washington, D.C.

EPA. 2003. *Elements of a State Water Monitoring and Assessment Program.* EPA 841-B-03-003. Assessment and Watershed Protection Division, Office of Wetlands, Oceans and Watersheds, US Environmental Protection Agency, Washington, D.C.

EPA. 2003. *Guidance for 2004 Assessment, Listing and Reporting Requirements Pursuant to Sections 303(d) and 305(b) of the Clean Water Act.* Watershed Branch, Office of Wetlands, Oceans and Watersheds, Office of Water, US Environmental Protection Agency, Washington, D.C.

EPA. 2005. *Guidance for 2006 Assessment, Listing and Reporting Requirements Pursuant to Sections 303(d), 305(b) and 314 of the Clean Water Act.* Watershed Branch, Office of Wetlands, Oceans and Watersheds, Office of Water, US Environmental Protection Agency, Washington, D.C.

EPA. 2006. *Information Concerning 2008 Clean Water Act Sections 303(d), 305(b) and 314 Integrated Reporting and Listing Decisions.* Memorandum, dated October 12, 2006, from Diane Regas, Director of the EPA's Office of Wetlands, Oceans and Watersheds to Regions 1-10 Water Division Directors, *et al.* Office of Wetlands, Oceans and Watersheds, Office of Water, US Environmental Protection Agency, Washington, D.C.

EPA. 2009. *Information Concerning 2010 Clean Water Act Sections 303(d), 305(b) and 314 Integrated Reporting and Listing Decisions.* Memorandum, dated May 5, 2009, from Suzanne Schwartz, Acting Director of the EPA's Office of Wetlands, Oceans and Watersheds to Regions 1-10 Water Division Directors, *et al.* Office of Wetlands, Oceans and Watersheds, Office of Water, US Environmental Protection Agency, Washington, D.C.

EPA. 2010. *Integrated Reporting and Listing Decisions Related to Ocean Acidification.* Memorandum, dated November 15, 2010, from Denise Keehner, Director of the EPA's Office of Wetlands, Oceans and Watersheds to Regions 1-10 Water Division Directors. Office of Wetlands, Oceans and Watersheds, Office of Water, US Environmental Protection Agency, Washington, D.C.

EPA. 2011. *Information Concerning 2012 Clean Water Act Sections 303(d), 305(b) and 314 Integrated Reporting and Listing Decisions.* Memorandum, dated March 21, 2011, from Denise Keehner, Director of the EPA's Office of Wetlands, Oceans and Watersheds to Regions 1-10 Water Division Directors, *et al.* Office of Wetlands, Oceans and Watersheds, Office of Water, US Environmental Protection Agency, Washington, D.C.

EPA. 2012. *The Economic Benefits of Protecting Healthy Watersheds.* Factsheet EPA 841-N-12-004. US Environmental Protection Agency, Washington, D.C.
http://www.wrwac.org/economic_benefits_factsheet3.pdf.

EPA. 2013. *Information Concerning 2014 Clean Water Act Sections 303(d), 305(b) and 314 Integrated Reporting and Listing Decisions.* Memorandum, dated September 3, 2013, from Denise Keehner, Director of the EPA's Office of Wetlands, Oceans and Watersheds to Regions 1-10 Water Division Directors, *et al.* Office of Wetlands, Oceans and Watersheds, Office of Water, US Environmental Protection Agency, Washington, D.C.

EPA. 2015. *Information Concerning 2016 Clean Water Act Sections 303(d), 305(b) and 314 Integrated Reporting and Listing Decisions.* Memorandum, dated August 13, 2015, from Benita Best-Wong, Director of the EPA's Office of Wetlands, Oceans and Watersheds to Regions 1-10 Water Division Directors and Robert Maxfield, Director, Office of Environmental Measurement and Evaluation, Region 1. Office of Wetlands, Oceans and Watersheds, Office of Water, US Environmental Protection Agency, Washington, D.C.

Gil, L. 1985. Technical Memorandum for the Record. *Inventory of Massachusetts Estuaries, Harbors, Salt Ponds.* Massachusetts Division of Water Pollution Control, Technical Services Branch. Westborough, MA.

Godfrey, P.J., Joyner, S.A., Goldstein, E.L., and L. Ross. 1979. *The Development of PALIS: A Ponds and Lakes Information System for Massachusetts.* Publication No. 108, Water Resources Research Center, University of Massachusetts, Amherst.

Grubbs, G.H. and R.H. Wayland III. 2000. Letter to Colleague dated 24 October 2000. *EPA recommendations on the use of fish and shellfish consumption advisories and certain shellfish growing area classifications in determining attainment of water quality standards and listing impaired water bodies under Section 303(d) of the Clean Water Act*. United States Environmental Protection Agency; Office of Wetlands, Oceans and Watersheds; Washington, D.C.

Halliwell, D.B., W.A. Kimball and A.J. Screpetis. 1982. *Massachusetts Stream Classification Program, Part I: Inventory of Rivers and Streams.* Massachusetts Division of Water Pollution Control, Technical Services Branch. Westborough, MA.

Harvey, P.D. and C.M. Smith. 2004. *The Mercury's Falling: The Massachusetts Approach to Reducing Mercury in the Environment.* American Journal of Law & Medicine 30(2,3): 245-281.

Howes, B.L., R. Samimy, and B. Dudley. 2003. *Massachusetts Estuaries Project Site-Specific Nitrogen Thresholds for Southeastern Massachusetts Embayments: Critical Indicators Interim Report Revised December 22, 2003*. University of Massachusetts Dartmouth, School of Marine Science and Technology (SMAST), Coastal Systems Laboratory, New Bedford, MA and Massachusetts Department of Environmental Protection, Lakeville, MA.

Hutcheson, M.S., C.M. Smith, J. Rose, C. Batdorf, O. Pancorbo, C.R. West, J. Strube and C. Francis. 2014. *Temporal and Spatial Trends in Freshwater Fish Tissue Mercury Concentrations Associated with Mercury Emissions Reductions.* Environ. Sci. Technol. 48(4): 2193-2202.

Krysel, C., E.M. Boyer, C. Parson and P. Welle. 2003. *Lakeshore Property Values and Water Quality: Evidence from Property Sales in the Mississippi Headwaters Region.* Submitted to the Legislative Commission on Minnesota Resources. Mississippi Headwaters Board and Bemidji State University.

Maietta, R.J. 1984. Technical Memorandum. *Planimetry of Harbors for the 1984 305(b) Report.* Massachusetts Division of Water Pollution Control, Technical Services Branch. Westborough, MA.

MADFG. 2014a. *Massachusetts Marine Fisheries 2014 Annual Report.* Massachusetts Department of Fish and Game, Division of Marine Fisheries, Boston, MA. http://www.mass.gov/eea/docs/dfg/dmf/publications/2014-dmf-annual-report.pdf

MADFG. 2014b. *2014 Annual Report.* Massachusetts Department of Fish and Game, Division of Fisheries and Wildlife, Boston, MA. http://www.mass.gov/eea/agencies/dfg/dfw/publications/2014-dfw-anrep-final.pdf

MassDEP. 1989. *Commonwealth of Massachusetts Nonpoint Source Assessment Report.* Massachusetts Department of Environmental Protection, Division of Water Pollution Control. Westborough, MA.

MassDEP. 1999. *Final Massachusetts Section 303(d) List of Waters 1998.* Massachusetts Department of Environmental Protection, Division of Watershed Management. Worcester, MA.

MassDEP. 2000. *Commonwealth of Massachusetts Summary of Water Quality 2000.* Massachusetts Department of Environmental Protection, Division of Watershed Management. Worcester, MA.

MassDEP. 2003. *Massachusetts Year 2002 Integrated List of Waters, Part 1 – Context and Rationale for Assessing and Reporting the Quality of Massachusetts Surface Waters.* CN 125.1 Massachusetts Department of Environmental Protection, Division of Watershed Management. Worcester, MA.

MassDEP. 2003. *Massachusetts Year 2002 Integrated List of Waters, Part 2 – Final Listing of Individual Categories of Waters.* CN 125.2 Massachusetts Department of Environmental Protection, Division of Watershed Management. Worcester, MA.

MassDEP. 2005. *Massachusetts Year 2004 Integrated List of Waters – Final Listing of the condition of Massachusetts' waters pursuant to Sections 303(d) and 305(b) of the Clean Water Act.* CN 175.0 Massachusetts Department of Environmental Protection, Division of Watershed Management. Worcester, MA.

MassDEP. 2005. *A TMDL Alternative Regulatory Pathway Proposal for the Management of Selected Mercury-Impaired Waters – A Supplementary Document to the Massachusetts Year 2004 Integrated List of Waters.* CN 176.0 Massachusetts Department of Environmental Protection, Division of Watershed Management. Worcester, MA.

MassDEP. 2006. *Massachusetts Surface Water Quality Standards (Revision of 314 CMR 4.00, effective December 29, 2006)*. Massachusetts Department of Environmental Protection, Boston, MA.

MassDEP. 2007. *Massachusetts Year 2006 Integrated List of Waters – Final Listing of the Condition of Massachusetts' Waters Pursuant to Sections 303(d) and 305(b) of the Clean Water Act.* CN 262.1 Massachusetts Department of Environmental Protection, Division of Watershed Management. Worcester, MA.

MassDEP. 2008. *Massachusetts Year 2008 Integrated List of Waters – Final Listing of the Condition of Massachusetts' Waters Pursuant to Sections 303(d) and 305(b) of the Clean Water Act.* CN 281.1 Massachusetts Department of Environmental Protection, Division of Watershed Management. Worcester, MA.

MassDEP. 2010. *Massachusetts Year 2010 Integrated List of Waters – Final Listing of the Condition of Massachusetts' Waters Pursuant to Sections 305(b), 314 and 303(d) of the Clean Water Act.* CN 360.1 Massachusetts Department of Environmental Protection, Division of Watershed Management. Worcester, MA.

MassDEP. 2011. *Development and Use of Aquatic Life Use Standards for Wetlands in Massachusetts.* Massachusetts Department of Environmental Protection, Wetlands Program, Boston, MA.

MassDEP. 2012. *Massachusetts Consolidated Assessment and Listing Methodology (CALM) Guidance Manual.* CN 405.0 Massachusetts Department of Environmental Protection, Division of Watershed Management. Worcester, MA.

MassDEP. 2013. *Massachusetts Year 2012 Integrated List of Waters – Final Listing of the Condition of Massachusetts' Waters Pursuant to Sections 305(b), 314 and 303(d) of the Clean Water Act.* CN 400.1 Massachusetts Department of Environmental Protection, Division of Watershed Management. Worcester, MA.

MassDEP. 2014. *Massachusetts Nonpoint Source Management Program Plan 2014 – 1019.* CN 440.0. Massachusetts Department of Environmental Protection. Worcester, MA.

MassDEP. 2015a. *Massachusetts Year 2014 Integrated List of Waters – Final Listing of the Condition of Massachusetts' Waters Pursuant to Sections 305(b), 314 and 303(d) of the Clean Water Act.* CN 450.1 Massachusetts Department of Environmental Protection, Division of Watershed Management. Worcester, MA.

MassDEP. 2015b. **DRAFT** *A Strategy for Monitoring and Assessing the Quality of Massachusetts' Waters to Support Multiple Water Resource Management Objectives 2016 – 2025.* CN 203.5 Massachusetts Department of Environmental Protection, Division of Watershed Management. Worcester, MA.

MassDEP. 2015c. *Quality Assurance Program Plan for Surface Water Monitoring and Assessment 2015 – 2019.* CN 460.0 Massachusetts Department of Environmental Protection, Division of Watershed Management. Worcester, MA.

MassDEP. 2016a*. Massachusetts Consolidated Assessment and Listing Methodology (CALM) Guidance Manual for the 2016 Reporting Cycle.* CN 445.0 Massachusetts Department of Environmental Protection, Division of Watershed Management. Worcester, MA.

MassDEP. 2016b. *Wetlands Monitoring and Assessment: Chicopee, MA Watershed.* Massachusetts Department of Environmental Protection, Wetlands Program. Boston, MA.

MassDEP, MassEOAF and MassOST. 2015. *Massachusetts Clean Water Trust 2015 Annual Report.* Massachusetts Department of Environmental Protection, Massachusetts Executive Office for Administration and Finance and Massachusetts Office of the State Treasurer, Boston, MA. http://www.mass.gov/eea/docs/dep/water/wastewater/o-thru-v/srf15.pdf

MA DPH. 2013. *Freshwater Fish Consumption Advisory List – August 2013.* Massachusetts Department of Public Health, Bureau of Environmental Health Assessment, Boston, MA. (List available online @ http://www.mass.gov/eohhs/docs/dph/environmental/exposure/fish-consumption-advisory-list.pdf)

MassGIS. 2010. MassGIS Data – MassDEP Hydrography (1:25,000). Esri Shapefile. Office of Geographic Information, Commonwealth of Massachusetts. Boston, MA. Available Online at: http://www.mass.gov/anf/research-and-tech/it-serv-and-support/application-serv/office-of-geographic-information-massgis/datalayers/hd.html

MassGIS. 2015. MassGIS Data – Designated Shellfish Growing Areas. Esri Shapefile. Office of Geographic Information, Commonwealth of Massachusetts. Boston, MA. Available Online at: http://www.mass.gov/anf/research-and-tech/it-serv-and-support/application-serv/office-of-geographic-information-massgis/datalayers/dsga.html

Michael, H.J., K.J. Boyle and R. Bouchard. 1996. *Water quality affects property prices: A case study of selected Maine lakes.* Maine Agric. and Forest Exp. Sta. Misc. Report 398.

NOAA. 1975. The Coastline of the United States (NOAA/PA 71046 Rev. 1975). U.S. Department of Commerce. National Oceanic and Atmospheric Administration. Washington, DC.

Nordstrom, A. 2007. *The Economic Impact of Potential Decline in New Hampshire Water Quality.* Phase III of *Report on the Economic Value of New Hampshire's Surface Waters* prepared by the New Hampshire Lakes, Rivers, Streams and Ponds Partnership. New Hampshire DES. http://des.nh.gov/organization/divisions/water/wmb/lakes/economic_values.htm

Plafkin, J. L., M. T. Barbour, K. D. Porter, S. K. Gross and R. M. Hughes. 1989. Rapid Bioassessment Protocols for Use in Streams and Rivers: Benthic Macroinvertebrates and Fish. EPA/444/4-89-001. Assessment and Watershed Protection Division, U.S. Environmental Protection Agency, Washington, DC.

Rees, P., M. Page and J. Schoen. 2010. *Technical Support for Probabilistic Sampling: Task 2 and 3 Final Report.* Project 09-02/ARRA604 prepared for MassDEP. Massachusetts Water Resources Research Center, University of Massachusetts. Amherst, MA.

Reynolds, K.A., K.D. Mena and C.P. Gerba. 2008. *Risk of waterborne illness via drinking water in the United States.* Rev. Environ. Contam. Toxicol. 192: 117-158.

UMass, MassCZM and MassDEP. 2013. Empirically Derived Indices of Biotic Integrity for Forested Wetlands, Coastal Salt Marshes and Wadable Freshwater Streams in Massachusetts. University of Massachusetts Amherst, Massachusetts Department of Environmental Protection and Massachusetts Office of Coastal Zone Management.

U.S. Census Bureau. 2015. State and County QuickFacts. U.S. Department of Commerce. http://quickfacts.census.gov/gfd/states/25000.html

U.S. Fish and Wildlife Service and U.S. Census Bureau. 2013. *2011 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation – Massachusetts.* (Revised December, 2013) http://www.census.gov/prod/2013pubs/fhw11-ma.pdf .

Wayland III, R.H. 2001. Memorandum to EPA Regional Water Management Directors, EPA Regional Science and Technology Directors, and State, Territory and Authorized Tribe Water Quality Program Directors dated 19 November 2001. Re: *2002 Integrated Water Quality Monitoring and Assessment Report Guidance*. U.S. Environmental Protection Agency; Office of Wetlands, Oceans and Watersheds; Washington, D.C.

Zimmerman, M.J., M.C. Waldron and L.A. DeSimone. 2015. *Nutrient, trace element, and suspended sediment loads in the Blackstone River in Massachusetts and Rhode Island, 2007 to 2009*. U.S. Geological Survey Scientific Investigations Report 2015-5026.

Zivin, J.G., M. Neidell and W. Schlenker. 2011. *Water Quality Violations and Avoidance Behavior: Evidence from Bottled Water Consumption.* American Economic Review, American Economic Association. 101(3): 448-453.

Watershed Assessment Reports
(see http://www.mass.gov/eea/agencies/massdep/water/watersheds/water-quality-assessments.html)

Beaudoin, T. 2010. *Boston Harbor 2004 – 2008 Water Quality Assessment Report.* CN 170.0 Massachusetts Department of Environmental Protection, Central Regional Office and Division of Watershed Management, Worcester, MA.

Carr, J.W. 2010. *Mystic River Watershed and Coastal Drainage Area 2004 – 2008 Water Quality Assessment Report.* CN 170.2 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

Carr, J.W. 2010. *Parker River Watershed and Coastal Drainage Area 2004 – 2008 Water Quality Assessment Report.* CN 173.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

Carr, J.W. and L.E. Kennedy. 2008. *Connecticut River Basin 2003 Water Quality Assessment Report.* CN 105.5 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

Carr, J.W. and L.E. Kennedy. 2007. *Housatonic River Watershed 2002 Water Quality Assessment Report.* CN 141.5 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

Connors, S. G. 2003. *Islands Watershed 2000 Water Quality Assessment Report.* CN 84.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

DeCesare, G.J. and S.G. Connors. 2002. C*ape Cod Watershed Water Quality Assessment Report.* CN 50.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

DeCesare, G.J., L.E. Kennedy and M.J. Weinstein. 2000. *North Coastal Watershed 1997/1998 Water Quality Assessment Report.* CN 17.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

Duerring, C.L. 2005. *Farmington River Watershed 2001 Water Quality Assessment Report.* CN 91.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

Dunn, W. and L.E. Kennedy. 2005. *Westfield River Watershed 2001 Water Quality Assessment Report.* CN 90.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

Fiorentino, J.F., L.E. Kennedy and M.J. Weinstein. 2000. *Charles River Watershed 1997/1998 Water Quality Assessment Report.* CN 16.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

Kennedy, L.E. 2004. *Ipswich River Watershed 2000 Water Quality Assessment Report.* CN 88.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

Kennedy, L.E. 2009. *French & Quinebaug River Watersheds 2004 - 2008 Water Quality Assessment Report.* CN178.5 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

Kennedy, L.E., C.L. Duerring and P. Mitchell. 2004. *Deerfield River Watershed 2000 Water Quality Assessment Report.* CN 87.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

Kennedy, L.E., S. Kiras and R. McVoy. 2001. *Merrimack River Basin 1999 Water Quality Assessment Report.* CN 52.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

Kennedy, L.E., S. Kiras and R. McVoy. 2002. *French & Quinebaug River Watersheds 2001 Water Quality Assessment Report.* CN 51.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

Kennedy, L.E., R.J. Maietta and J.F. Fiorentino. 2000. *Ten Mile River Basin 1997 Water Quality Assessment Report.* CN 18.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

Kennedy, L.E. and A.M. Rojko. 2004. *Millers River Watershed 2000 Water Quality Assessment Report.* CN 89.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

Kennedy, L.E. and M.J. Weinstein. 2000. *Housatonic River Basin 1997/1998 Water Quality Assessment Report.* CN 19.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

Kennedy, L.E. and M.J. Weinstein. 2000. *Hudson River Basin 1997 Water Quality Assessment Report.* CN 15.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

Kennedy, L.E., M.J. Weinstein and R.J. McCollum. 2000. *Connecticut River Basin 1998 Water Quality Assessment Report.* CN 45.0 Massachusetts Department of Environmental Protection, Division of Watershed Management (Worcester, MA.) and Western Regional Office (Springfield, MA.).

Kiras, S. D. 2003. *Shawsheen River Watershed 2000 Water Quality Assessment Report.* CN 86.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2006. *South Shore Coastal Watersheds 2001 Water Quality Assessment Report.* CN 93.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2007. *North Shore Coastal Watersheds 2002 Water Quality Assessment Report.* CN 138.5 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2008. *Charles River Watershed 2002 - 2006 Water Quality Assessment Report.* CN 136.5 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2008. [Online with associated technical documents]. *Nashua River Watershed 2003 Water Quality Assessment Report.* CN 107.5 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2009. *Narragansett and Mount Hope Bay Watersheds 2004 - 2008 Water Quality Assessment Report.* CN 172.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2010. *Blackstone River Watershed 2003 - 2007 Water Quality Assessment Report.* CN 240.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2011. *Cape Cod Coastal Drainage Areas 2004 – 2008 Surface Water Quality Assessment Report.* CN 171.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

Meek, J. 2010. *Neponset River Watershed 2004 Water Quality Assessment Report.* CN 170.4 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

Meek, J. and L.E. Kennedy. 2010. *Merrimack River Watershed 2004 – 2009 Water Quality Assessment Report.* CN 179.5 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

O'Brien-Clayton, K.A. 2006. *Hudson River Watershed 2002 Water Quality Assessment Report.* CN 139.5 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

O'Brien K. and A. Langhauser. 2003. *Buzzards Bay Watershed 2000 Water Quality Assessment Report.* CN 85.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

O'Brien, K., M.J. Weinstein and R. McVoy. 2002. *Boston Harbor 1999 Water Quality Assessment Report.* CN 49.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

O'Brien-Clayton, K.A., L.E. Kennedy and R.J. Maietta. 2005. *SuAsCo Watershed 2001 Water Quality Assessment Report.* CN 92.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

Reardon, M. 2008. *Chicopee River Watershed 2003 Water Quality Assessment Report.* CN 106.5 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

Reardon, M. 2010. *Weymouth and Weir River Basin 2004 Water Quality Assessment Report.* CN 170.6 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

Rojko, A.M., S.D. Tamul and L.E. Kennedy. 2005. *Taunton River Watershed 2001 Water Quality Assessment Report.* CN 94.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

Tamul, S.D. 2006. *Ten Mile River Watershed 2002 Water Quality Assessment Report.* CN 137.5 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

Weinstein, M.J. and S.G. Connors. 2001. *Parker River Watershed Water Quality Assessment Report.* CN 54.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

Weinstein, M.J., L.E. Kennedy and J. Colonna-Romano. 2001. *Nashua River Basin 1998 Water Quality Assessment Report.* CN 46.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

Weinstein, M.J., L.E. Kennedy, J. Colonna-Romano and T. Beaudoin. 2001. *Blackstone River Basin 1998 Water Quality Assessment Report.* CN 48.0 Massachusetts Department of Environmental Protection, Division of Watershed Management and Central Regional Office, Worcester, MA.

Weinstein, M.J., L.E. Kennedy, J. Colonna-Romano, R.J. McCollum and W.A. Kimball. 2001. *Chicopee River Basin 1998 Water Quality Assessment Report.* CN 47.0 Massachusetts Department of Environmental Protection, Division of Watershed Management (Worcester, MA), Western Regional Office (Springfield, MA) and Central Regional Office (Worcester, MA).

Weinstein, M.J., P. Mitchell and K. O'Brien. 2002. *Narragansett/Mt. Hope Bay Watershed 1999 Water Quality Assessment Report.* CN 53.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

TMDL Documents (see http://www.mass.gov/eea/agencies/massmdep/water/watersheds/total-maximum-daily-loads-tmdls.html)

CTDEP, MEDEP, MassDEP, NHDES, NYSDEC, RIDEM, VTDEC and NEIWPCC. 2007. *Northeast Regional Mercury Total Maximum Daily Load.* Connecticut Department of Environmental Protection, Maine Department of Environmental Protection, Massachusetts Department of Environmental Protection, New Hampshire Department of Environmental Services, New York State Department of Environmental Conservation, Rhode Island Department of Environmental Management, Vermont Department of Environmental Conservation, New England Interstate Water Pollution Control Commission. [**Note:** MassDEP has assigned a Control Number (CN 376.0) to this report for internal tracking purposes]

MassDEP. 1999. *Bare Hill Pond, Harvard, MA. (MA81007) TMDL.* CN 14.0. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2001. *Total Maximum Daily Loads of Phosphorus for Selected Connecticut Basin Lakes.* CN 112.0. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2002. *Total Maximum Daily Loads of Phosphorus for Selected Northern Blackstone Lakes.* CN 70.1. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2002. *Total Maximum Daily Loads of Phosphorus for Selected French Basin Lakes.* CN 110.0. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2002. *Total Maximum Daily Load of Phosphorus for Salisbury Pond.* CN 114.0. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2002. *Total Maximum Daily Loads of Phosphorus for Lake Quinsigamond and Flint Pond.* CN 115.0. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2002. *Total Maximum Daily Load of Phosphorus for Indian Lake.* CN 116.0. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2002. *Total Maximum Daily Load of Phosphorus for Leesville Pond.* CN 117.0. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2002. *Total Maximum Daily Loads of Phosphorus for Selected Chicopee Basin Lakes.* CN 118.0. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2002. *Total Maximum Daily Loads of Phosphorus for Lake Boon.* CN 119.0. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2002. *Total Maximum Daily Loads of Bacteria for Little Harbor.* CN 120.0. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2002. *Total Maximum Daily Loads of Bacteria for Neponset River Basin.* CN 121.0. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2002. *Bacteria TMDL for the Shawsheen River Basin.* CN 122.0. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2003. *Total Maximum Daily Loads of Phosphorus for Selected Millers Basin Lakes.* CN 123.2. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2004. *Bacteria TMDL for the Palmer River Basin.* CN 182.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2004. *Assabet River Total Maximum Daily Load for Total Phosphorus.* CN 201.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2006. *Great, Green and Bournes Pond Embayment Systems Total Maximum Daily Loads for Total Nitrogen.* CN 181.0. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2006. *Total Maximum Daily Loads of Total Phosphorus for Quaboag & Quacumquasit Ponds.* CN 216.1. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2006. *Final Quashnet River, Hamblin Pond, Little River, Jehu Pond, and Great River in the Waquoit Bay System Total Maximum Daily Loads for Total Nitrogen.* CN 218.0. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2006. *Final Popponesset Bay Total Maximum Daily Loads for Total Nitrogen*. CN 217.0. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2007. *Final Centerville River - East Bay System Total Maximum Daily Loads for Total Nitrogen.* CN 248.0. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2007. *Final Pleasant Bay System Total Maximum Daily Loads for Total Nitrogen.* CN 244.0. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2007. *Final Phinneys Harbor Embayment System Total Maximum Daily Loads for Total Nitrogen*. CN 247.0. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2007. *Final Three Bays System Total Maximum Daily Loads for Total Nitrogen*. CN 242.0. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2007. *Final West Falmouth Harbor Embayment System Total Maximum Daily Loads for Total Nitrogen*. CN 243.0. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2008. *Stage Harbor/Oyster Pond, Sulphur Springs/Bucks Creek, Taylors Pond/Mill Creek Total Maximum Daily Load Re-evaluations for Total Nitrogen.* CN 206.1. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2008. *Final Oyster Pond Embayment System Total Maximum Daily Loads for Total Nitrogen*. CN 245.0. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2008. *Final Little Pond Embayment System Total Maximum Daily Loads for Total Nitrogen*. CN 246.0. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2009. *Nantucket Harbor Embayment System Total Maximum Daily Loads for Total Nitrogen*. CN 249.0. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2010. *Final Total Maximum Daily Load for Phosphorus for White Island Pond, Plymouth/Wareham, MA*. CN 330.2. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2012. *Northeast Regional Mercury Total Maximum Daily Load Addendum for Massachusetts*. CN 377.0. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2012. *Addendum: Final Pathogen TMDL for the Cape Cod Watershed*. CN 252.5. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2012. *Addendum: Final Total Maximum Daily Loads of Bacteria for Neponset River Basin*. CN 121.5. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2015. *Final Lewis Bay System and Halls Creek Total Maximum Daily Loads for Total Nitrogen*. CN 314.0. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2015. *Final Edgartown Great Pond System Total Maximum Daily Loads for Total Nitrogen*. CN 318.0. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2015. *Final Sengekontacket Pond Estuarine System Total Maximum Daily Loads for Total Nitrogen*. CN 310.1. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2015. *Final Madaket Harbor and Long Pond Estuarine System Total Maximum Daily Loads for Total Nitrogen*. CN 283.0. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2015. *Final Farm Pond Estuarine System Total Maximum Daily Load for Total Nitrogen*. CN 391.1. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP. 2015. *Final Lagoon Pond Estuarine System Total Maximum Daily Loads for Total Nitrogen*. CN 390.1. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP and SMAST. 2005. *Bacteria Total Maximum Daily Load for Frost Fish Creek, Chatham, Massachusetts.* CN 207.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA and School for Marine Science and Technology, University of Massachusetts-Dartmouth, Dartmouth, MA.

MassDEP and SMAST. 2005. *Bacteria TMDL for Muddy Creek, Chatham and Harwich, Massachusetts.* CN 208.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA and School for Marine Science and Technology, University of Massachusetts-Dartmouth, Dartmouth, MA.

MassDEP and USEPA. 2009. *Final Pathogen TMDL for the Three Bays Watershed, Barnstable, MA.* CN 309.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA and US Environmental Protection Agency, Region 1, Boston, MA.

MassDEP, USEPA, CRWA and NES, Inc. 2011. *Total Maximum Daily Load for Nutrients in the Upper/Middle Charles River, Massachusetts.* CN 272.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA, US Environmental Protection Agency,

Region 1, Boston, MA, Charles River Watershed Association, Weston, MA and Numeric Environmental Services, Inc., Beverly Farms, MA.

MassDEP, USEPA and ENSR. 2007. *Final Pathogen TMDL for the Charles River Watershed.* CN 156.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA, US Environmental Protection Agency, Region 1, Boston, MA and ENSR International, Westford, MA.

MassDEP, USEPA and ENSR. 2009. *Final Pathogen TMDL for the Buzzards Bay Watershed.* CN 251.1 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA, US Environmental Protection Agency, Region 1, Boston, MA and ENSR International, Westford, MA.

MassDEP, USEPA and ENSR. 2009. *Final Pathogen TMDL for the Cape Cod Watershed.* CN 252.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA, US Environmental Protection Agency, Region 1, Boston, MA and ENSR International, Westford, MA.

MassDEP, USEPA and ENSR. 2010. *Final Pathogen TMDL for the Narragansett/Mt. Hope Bay Watershed.* CN 351.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA, US Environmental Protection Agency, Region 1, Boston, MA and ENSR International, Westford, MA.

MassDEP, USEPA and ENSR. 2011. *Final Pathogen TMDL for the Taunton River Watershed.* CN 256.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA, US Environmental Protection Agency, Region 1, Boston, MA and ENSR International, Westford, MA.

MassDEP, USEPA and ENSR. 2012*. Final Pathogen TMDL for the North Coastal Watershed.* CN 155.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA, US Environmental Protection Agency, Region 1, Boston, MA and Tetra Tech, Inc., Fairfax, VA.

MassDEP USEPA and ENSR. 2014. *Final Pathogen TMDL for the South Coastal Watershed*. CN 255.0. Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA.

MassDEP, USEPA and Tetra Tech, Inc. 2007. *Final Total Maximum Daily Load for Nutrients in the Lower Charles River Basin, Massachusetts.* CN 301.0 Massachusetts Department of Environmental Protection, Division of Watershed Management, Worcester, MA, US Environmental Protection Agency, Region 1, Boston, MA and Tetra Tech, Inc., Fairfax, VA.

RI DEM. 2006. *Fecal Coliform and Total Phosphorus TMDLs – Kickemuit Reservoir, Rhode Island, Upper Kickemuit River, Kickemuit River.* (MassDEP CN 285.0) Rhode Island Department of Environmental Management, Office of Water Resources, Providence, RI.

INTEGRATED LIST CATEGORIES

The following tables present the multi-part integrated list of waters developed in accordance with EPA guidance pertaining to sections 303(d), 305(b) and 314 of the Clean Water Act. The list contains Massachusetts water bodies (lakes, rivers, or estuaries) that have been monitored and assessed, either in past cycles or in the current cycle, and that fall into one of the categories listed below, depending upon the attainment status of their designated uses. Surface waters that have never been assessed do not appear in these tables and are considered Category 3 waters by default.

Category 1 – "Waters attaining all designated uses"
Category 2 – "Attaining some uses; other uses not assessed"
Category 3 – "No uses assessed"
Category 4a – "TMDL is completed"
Category 4b – "Impairment controlled by alternative pollution control requirements"
Category 4c – "Impairment not caused by a pollutant – TMDL not required"
Category 5 – "Waters requiring a TMDL" (i.e., the 303(d) List)

The Massachusetts Department of Public Health statewide advisory pertaining to the prohibitive consumption of finfish due to the risk of elevated mercury to sensitive populations precludes any waters from being in full support of the fish consumption use and, therefore, no waters appear in category 1.

Category 2 is the only list that presents the individual designated uses that are attained by each water body. However, it should be noted that waters appearing in categories 4a, 4c and 5, while impaired for one or more uses, may also be attaining some uses. The supported uses are not currently included in categories 4a, 4c and 5 due to space constraints.

Category 3 contains water bodies that are not assessed for any of their individual designated uses for the 2016 listing cycle unless those water bodies were listed as impaired in previous listing cycles. In that case they remain in categories 4a, 4c or 5.

Categories 4 and 5 contain water bodies that are impaired by one or more *pollutants,* requiring the development and implementation of TMDLs to restore them (listed in Category 5 – "303(d) List"), and/or *pollution* (i.e., non-pollutants), managed through alternative control measures (listed in Category 4c unless pollutants are also present). Water bodies are listed in Category 4a if all pollutants contributing to their impairment are addressed by one or more EPA-approved TMDLs. Impaired waters for which some TMDLs have been approved, but others are still needed, remain in Category 5 until TMDLs are completed for all pollutants. Non-pollutants (shown in parentheses) may occur in categories 4a, 4c or 5 depending on the presence and TMDL status of pollutants. Category 4b is reserved for waters impaired by one or more pollutants that are expected to attain their designated uses without TMDL implementation; however, Massachusetts is not including any waters in Category 4b for the 2016 listing cycle.

Appendices 1 – 3 are provided to assist the reader in navigating the multi-part list. Appendix 1 presents all water bodies on the integrated list, including a description of each water body, its size, and its category. Appendices 2 and 3 list, respectively, the impairments *added to* and *removed from* categories 4 and 5 and a brief explanation of why these changes occurred. The list categories and appendices are generated directly from the electronic database that stores all of the assessment information. Therefore, the impairment additions and removals presented in appendices 2 and 3 include minor clerical or "housekeeping" adjustments as well as more substantive changes informed by new data and information or by modifications to the assessment methodology. For example, changes in impairment names from "Chlordane" to "Chlordane in Fish Tissue", or "Mercury" to "Mercury in Fish Tissue" are listed as both removals and additions in the appendices, but do not represent actual changes in the status of the waters exhibiting these impairments. Likewise, an impairment that changed status from pollutant to non-pollutant (for example, "Aquatic Plants (Macrophytes)") appears in Appendix 3 as removal from category 5, yet the water body in question remains listed as impaired.

(This page intentionally left blank)

Category 1 waters
"Waters attaining all designated uses"

Massachusetts is currently listing no waters in this category due to the issuance by the Massachusetts Department of Public Health of a statewide health advisory pertaining to the consumption of finfish. This advisory precludes any waters from being in full support of the fish consumption use. More information pertaining to fish consumption advisories and the assessment of the fish consumption use can be found in the section entitled "Development of the 2016 Integrated Report."

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

					Uses Attained*				
WATER BODY	**SEGMENT ID**	**Description**	**SIZE**	**UNITS**	**Aesthetic**	**Fish, other Aquatic Life and Wildlife**	**Primary Contact Recreation**	**Secondary Contact Recreation**	**Shellfish Harvesting**
Blackstone									
BACON BROOK	MA51-41	Outlet Ironstone Reservoir, Uxbridge to mouth at confluence with the Blackstone River, Uxbridge.	0.6	MILES	X		X	X	
Center Brook	MA51-34	From outlet Mill Pond, Upton to mouth at confluence with West River, Upton.	2.8	MILES	X	X	X	X	
COLD SPRING BROOK	MA51-42	Headwaters, perennial portion north of Route 16, Uxbridge to mouth at inlet Rivulet Pond, Uxbridge.	1.1	MILES	X		X	X	
DARK BROOK	MA51-49	Headwaters, outlet Dark Brook Reservoir, Auburn to mouth at inlet Stoneville Pond (east of Wallace Avenue), Auburn.	1.3	MILES	X		X	X	
Emerson Brook	MA51-29	Headwaters, outlet Lee Pond, Uxbridge to mouth at confluence with the Blackstone River, Uxbridge.	1.9	MILES	X	X	X	X	
Kettle Brook	MA51-19	Outlet Kettle Brook Reservoir #4, Paxton, to inlet Kettle Brook Reservoir #1, Leicester (excluding approximately 0.8 mile through Kettle Brook Reservoir #3 segment MA51081 and approximately 0.5 mile through Kettle Brook Reservoir #2 segment MA51080).	1.9	MILES		X			
Laurel Brook	MA51-23	Headwaters, perennial portion, north of Yew Street, Douglas to mouth at confluence with Scadden Brook near the outlet of Sawmill Pond, Uxbridge (through Bazely Pond formerly segment MA51008).	3.3	MILES		X			
Miscoe Brook	MA51-21	Headwaters, perennial portion, east of Adams Road, Grafton to mouth at inlet Silver Lake, Grafton (through Cider Millpond formerly segment MA51019).	1.9	MILES		X			
Miscoe Brook	MA51-37	Headwaters, perennial portion, from the Mendon/Upton/Northbridge corporate boundaries to mouth at confluence with Taft Pond Brook, Northbridge/Upton.	0.7	MILES		X			
Mumford River	MA51-13	Headwaters, outlet Tuckers Pond, Sutton to Douglas WWTP discharge (NPDES: MA0101095), Douglas.	4.2	MILES	X	X	X	X	
Scadden Brook	MA51-24	Headwaters, perennial portion, north of Davis Street, Douglas to mouth at inlet Lee Pond, Uxbridge (through Lee Reservoir formerly segment MA51086).	2.4	MILES		X			
SEWALL BROOK	MA51-44	Headwaters, west of Baypath Drive, Boylston to inlet Sewall Pond, Boylston.	2.8	MILES	X		X	X	

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

					Uses Attained*				
WATER BODY	**SEGMENT ID**	**Description**	**SIZE**	**UNITS**	**Aesthetic**	**Fish, other Aquatic Life and Wildlife**	**Primary Contact Recreation**	**Secondary Contact Recreation**	**Shellfish Harvesting**
Spring Brook	MA51-25	Headwaters, perennial portion, north of Lovell Street, Mendon to mouth at confluence with Muddy Brook, Mendon.	1.9	MILES		X			
Taft Pond Brook	MA51-26	Headwaters, outlet Taft Pond, Upton to mouth at confluence with West River, Northbridge.	1.2	MILES	X		X	X	
Tinkerville Brook	MA51-22	Headwaters, perennial portion, north of Walnut Street, Douglas to Rhode Island border, Douglas.	2.4	MILES		X			
Unnamed Tributary	MA51-46	Unnamed Tributary eventually to Tatnuck Brook, headwaters, perennial portion, east of Bailey Road, Holden to mouth at confluence with unnamed tributary to Tatnuck Brook, Holden.	0.3	MILES	X		X	X	
Wallum Lake	MA51172	Douglas (size indicates portion in Massachusetts excluding approximately 30 acres; these 30 acres represent "All Interstate surface waters that are public water supply in Rhode Island from 1000 feet upstream of the State Line" which are designated as Class A/PWS/ORW in 314CMR4.00, January 2007).	109	ACRES			X	X	
WARREN BROOK	MA51-47	Headwaters, west of North Street, Upton to mouth at confluence with West River, Upton.	3.6	MILES	X		X	X	
WEST BROOK	MA51-43	Headwaters, perennial portion west of Route 290 and north of Gulf Street, Shrewsbury to culvert entrance between Baker and Elmo avenues, Shrewsbury (isolated Quinsigamond River tributary) (through Mill Pond formerly segment MA51105).	3.2	MILES	X		X	X	
Boston Harbor: Neponset									
Bubbling Brook	MA73-11	Headwaters (perennial portion), near North Street, Walpole to mouth at inlet Pettee Pond, Walpole/Westwood border.	0.9	MILES	X		X	X	
Mill Brook	MA73-12	Source northeast of Ledgewood Drive, Dover to inlet of Pettee Pond, Westwood.	2.9	MILES	X		X	X	
Pecunit Brook	MA73-25	Headwaters east of Carey Circle and west of Pecunit Street, Canton to mouth at confluence with Neponset River, Canton.	1.8	MILES	X		X	X	
School Meadow Brook	MA73-06	Headwaters, outlet of Ganawatte Farm Pond, Walpole to confluence with Neponset River, Walpole.	1.9	MILES	X		X	X	
Traphole Brook	MA73-17	Headwaters west of Everett Street, Sharon, to confluence with Neponset River, Sharon.	3.9	MILES	X		X	X	
Tubwreck Brook	MA73-07	Headwaters - small unnamed pond southeast of Powissett Street, Dover to confluence with Mill Brook just southwest of Dover/Medfield border.	1.6	MILES	X		X	X	

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

WATER BODY	SEGMENT ID	Description	SIZE	UNITS	Uses Attained*				
					Aesthetic	Fish, other Aquatic Life and Wildlife	Primary Contact Recreation	Secondary Contact Recreation	Shellfish Harvesting
Boston Harbor: Weymouth & Weir									
Hoosicwhisick Pond	MA74015	Milton.	23	ACRES			X	X	
Buzzards Bay									
Aucoot Cove	MA95-09	From the boundary of Division of Marine Fisheries designated shellfishing growing area BB31.1, north and southwest from Haskell Island, Marion to the mouth at Buzzards Bay demarcated by a line drawn between Converse Point, Marion and Joes Point, Mattapoisett.	0.46	SQUARE MILES		X	X	X	X
Barrett Pond	MA95004	Carver.	11	ACRES			X	X	
Charge Pond	MA95025	Plymouth.	16	ACRES			X	X	
College Pond	MA95030	Plymouth.	47	ACRES			X	X	
Curlew Pond	MA95034	Plymouth.	43	ACRES			X	X	
DUNHAMS BROOK	MA95-73	Headwaters east of the intersection of Cornell and Main roads, Westport to the confluence with the West Branch Westport River at Hicks Cove, Westport.	1.4	MILES		X			
Fearing Pond	MA95054	Plymouth.	23	ACRES		X	X	X	
GILES CREEK	MA95-89	From Demarest Lloyd Memorial State Park, Dartmouth to mouth at Slocums River, Dartmouth.	0.06	SQUARE MILES		X			
HORSENECK CHANNEL	MA95-87	From the outlet of The Let to the confluence with the East Branch Westport River (east of Route 88), Westport.	0.24	SQUARE MILES		X	X	X	X
Little River	MA95-66	Dartmouth.	0.18	SQUARE MILES		X	X	X	
Marys Pond	MA95100	Rochester.	81	ACRES		X			
Nasketucket River	MA95-67	Estuarine portion, from the boundary of the salt water wetland south of Route 6, Fairhaven to the mouth at Little Bay, Fairhaven (includes connector to Little Bay on the east side of the river).	0.03	SQUARE MILES		X			
RED BROOK	MA95-74	Headwaters, outlet cranberry bogs east of Bartlett Pond, Wareham to Red Brook Road, Wareham/Plymouth.	2.8	MILES		X			

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

					Uses Attained*				
WATER BODY	**SEGMENT ID**	**Description**	**SIZE**	**UNITS**	**Aesthetic**	**Fish, other Aquatic Life and Wildlife**	**Primary Contact Recreation**	**Secondary Contact Recreation**	**Shellfish Harvesting**
Sippican Harbor	MA95-69	The waters between a line demarcating the mouth of the harbor (from Converse Point to Butler Point, Marion) and a line from Allens Point, Marion around the southeastern tip of Ram Island, then westerly from the southern tip of Ram Island, to the point of land south of Nyes Wharf, Marion excluding Blanketship Cove and Planting Island Cove (formerly reported as a portion of segment MA95-08).	1.94	SQUARE MILES		X	X	X	X
The Let	MA95-88	From north of East Beach Road, Westport to the confluence with Horseneck Channel, Westport.	0.22	SQUARE MILES		X			
Unnamed Tributary	MA95-75	Unnamed tributary to Bread and Cheese Brook, headwaters north of Briggs Road, Westport to confluence with Bread and Cheese Brook, Westport.	1.9	MILES		X			
Unnamed Tributary	MA95-80	Unnamed tributary to Aucoot Creek, headwaters west of Mill Street (Route 6), Marion to the Marion WWTF (MA0100030) discharge, Marion.	0.3	MILES		X			
Unnamed Tributary	MA95-81	Unnamed tributary to Aucoot Creek from the Marion WWTF (MA0100030) discharge, Marion to the boundary of the saltwater wetland, Marion.	0.7	MILES		X			
Unnamed Tributary	MA95-84	Unnamed tributary to Snell Creek, perennial portion north of Brookwood Drive, Westport to mouth at Snell Creek, Westport.	0.8	MILES	X	X	X	X	
Wenham Pond	MA95158	Carver.	46	ACRES	X	X			
Cape Cod									
Bassing Harbor	MA96-48	Excluding Crows Pond and Ryder Cove, Chatham.	0.13	SQUARE MILES			X	X	X
Centerville Harbor	MA96-03	From an imaginary line that extends from Dowses Beach, Barnstable to Hyannis Point, Barnstable including all waters north to the shore, Barnstable.	1.46	SQUARE MILES		X	X	X	X

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

					Uses Attained*				
WATER BODY	SEGMENT ID	Description	SIZE	UNITS	Aesthetic	Fish, other Aquatic Life and Wildlife	Primary Contact Recreation	Secondary Contact Recreation	Shellfish Harvesting
Chatham Harbor	MA96-10	Harbor, bounded on east by Cape Cod National Seashore (CCNS), with northern extent as an imaginary line drawn northeast from northern tip of Strong Island to a point on inner CCNS and western extent as an imaginary line drawn from southern tip of Strong Island south to Allen Point including waters south to an imaginary line along northern edge of South Beach Bar extending from Chatham Lighthouse to inlet created by 1987 storm, Chatham (area within CCNS designated as ORW).	2.85	SQUARE MILES		X	X	X	X
CHILDS RIVER	MA96-98	Headwaters outlet Johns Pond, Mashpee to confluence with tidal portion south of Barrows Road, Falmouth (area within Waquoit Bay ACEC desiagnated as ORW).	2.4	MILES	X		X	X	
Coonamessett River	MA96-69	Headwaters, outlet Coonamessett Pond, Falmouth to mouth at inlet Great Pond, Falmouth.	3.4	MILES	X		X	X	
Crows Pond	MA96-47	To Bassing Harbor, Chatham.	0.19	SQUARE MILES		X	X	X	X
Falmouth Inner Harbor	MA96-17	Waters included north of Falmouth Inner Harbor Light, Falmouth.	0.05	SQUARE MILES					X
HERRING RIVER	MA96-106	Headwaters, outlet Hinckleys Pond, Harwich to mouth at inlet Herring River Reservoir, Harwich.	2.5	MILES	X		X	X	
Hinckleys Pond	MA96140	Harwich.	164	ACRES	X	X	X	X	
Hyannis Harbor	MA96-05	The waters from the shoreline to an imaginary line drawn from the light at the end of Hyannis breakwater, Barnstable to the point west of Dunbar Point, Barnstable.	0.68	SQUARE MILES		X	X	X	X
Mashpee River	MA96-89	Headwaters, outlet Mashpee Pond, Mashpee to Quinaquisset Avenue, Mashpee.	2.7	MILES	X	X	X	X	
Nauset Harbor	MA96-28	The waters south of an imaginary line drawn east from Woods Cove, Orleans around the southern point of Stony Island, around the southern end of the unnamed island in the harbor, to Cape Cod National Seashore (CCNS), excluding Mill Pond, Orleans (area within CCNS designated as ORW).	0.41	SQUARE MILES			X	X	X
Quashnet River	MA96-90	Headwaters, outlet Johns Pond, Mashpee to just south of Route 28, Falmouth (area within Waquoit Bay ACEC designated as ORW).	4.1	MILES	X	X	X	X	

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

					Uses Attained*				
WATER BODY	**SEGMENT ID**	**Description**	**SIZE**	**UNITS**	**Aesthetic**	**Fish, other Aquatic Life and Wildlife**	**Primary Contact Recreation**	**Secondary Contact Recreation**	**Shellfish Harvesting**
Red Brook	MA96-25	From dam (NATID: MA01037) at Red Brook Road, Falmouth/Mashpee to mouth at inlet Hamblin Pond, Falmouth/Mashpee.	0.01	SQUARE MILES			X	X	X
Santuit River	MA96-91	Headwaters, outlet Santuit Pond, Mashpee to confluence with tidal portion south of Old Mill Road/Old Kings Road, Mashpee/Barnstable.	1.6	MILES	X	X	X	X	
Unnamed Tributary	MA96-105	Unnamed tributary to Herring River, headwaters outlet Walkers Pond, Harwich to outlet channelized wetland south of Great Western Road, Harwich.	3.3	MILES	X		X	X	
Upper Mill Pond	MA96324	Brewster.	249	ACRES	X	X	X	X	
Wellfleet Harbor	MA96-34	The waters north of an imaginary line drawn east from the southern tip of Jeremy Point, Wellfleet to Sunken Meadow, Eastham excluding the estuaries of Herring River, Duck Creek, Blackfish Creek, and Fresh Brook, Wellfleet (area within Cape Cod National Seashore designated as ORW).	8.4	SQUARE MILES			X	X	X
Charles									
Bogastow Brook	MA72-16	Headwaters, outlet Factory Pond, Holliston to mouth at inlet South End Pond, Millis.	9.4	MILES	X	X	X	X	
DOPPING BROOK	MA72-40	Headwater oulet small unnamed pond on Holliston/Sherborn border to mouth at confluence with Bogastow Brook, Holliston/Sherborn.	2.6	MILES	X		X	X	
Hammond Pond	MA72044	Newton.	22	ACRES		X			
MILL BROOK	MA72-39	Source wetlands, Pine Street, Medfield to mouth at confluence with the Charles River, Medfield.	3.7	MILES	X		X	X	
Stony Brook	MA72-26	Headwaters, outlet Beaver Pond, Lincoln to mouth at inlet Stony Brook Reservoir, Waltham/Weston.	5.1	MILES	X	X	X	X	
Unnamed Tributary	MA72-42	Unnamed tributary to the Charles River, from outlet unnamed pond north of South Street, Natick to mouth at confluence with the Charles River, Natick.	0.3	MILES	X		X	X	
Weld Pond	MA72131	Dedham.	27	ACRES		X			
Chicopee									
Asnacomet Pond	MA36005	Hubbardston.	126	ACRES	X		X	X	
Atherton Brook	MA36-30	Headwaters, confluence Town Farm and Osgood brooks, Shutesbury to mouth at inlet Quabbin Reservoir, Pelham.	1.9	MILES		X			

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

					Uses Attained*				
WATER BODY	SEGMENT ID	Description	SIZE	UNITS	Aesthetic	Fish, other Aquatic Life and Wildlife	Primary Contact Recreation	Secondary Contact Recreation	Shellfish Harvesting
BOTTLE BROOK	MA36-46	Headwaters, perennial portion, east of Dunhamtown Brimfield Road, Brimfield to mouth at confluence with Quaboag River, Brimfield.	2	MILES	X		X	X	
Burnshirt River	MA36-37	Headwaters, outlet Stone Bridge Pond, Templeton/Phillipston to mouth at confluence with Canesto Brook, Barre (through Williamsville Pond formerly segment MA36167).	8.6	MILES	X		X	X	
Cadwell Creek	MA36-29	Headwaters east of Route 202 and northwest of Dodge Hill, Pelham to mouth at inlet Quabbin Reservoir, Belchertown.	3.2	MILES		X			
Calkins Brook	MA36-26	Headwaters, perennial portion, southeast of Baptist Hill, Palmer to mouth at confluence with Twelvemile Brook, Wilbraham.	2.7	MILES	X		X	X	
Chicopee Reservoir	MA36033	Chicopee.	22	ACRES			X	X	
Chicopee River	MA36-23	Red Bridge Impoundment Dam (NATID: MA00723), Wilbraham/Ludlow to Wilbraham Pumping Station (old WWTP), Wilbraham/Ludlow.	3.8	MILES	X	X	X	X	
CONANT BROOK	MA36-45	Headwaters, outlet Conant Brook Reservoir dam (NATID: MA00965), Monson to mouth at confluence with Chicopee Brook, Monson.	1.9	MILES	X		X	X	
Cooley Brook	MA36-38	From the outlet of Chicopee Reservoir, Chicopee to mouth at confluence with the Chicopee River, Chicopee (segment includes "braid" that confluences with the Chicopee River upstream of the mouth of Cooley Brook).	1.2	MILES		X			
Cranberry River	MA36-20	Headwaters, outlet Cranberry Meadow Pond, Spencer to mouth at confluence with Sevenmile River, Spencer (through Howe Pond formerly segment MA36073).	3.6	MILES		X			
Dunn Brook	MA36-19	From confluence with Forget-Me-Not Brook, East Brookfield/Brookfield to mouth at confluence with Quaboag River, Brookfield.	2.4	MILES	X		X	X	
East Branch Swift River	MA36-35	Headwaters, confluence of Shattuck and Popple Camp brooks, Phillipston to mouth at inlet Pottapaug Pond, Petersham (through Connor Pond formerly segment MA36039).	9.8	MILES		X			
Higher Brook	MA36-42	Headwaters, perennial portion, south of Route 21, Ludlow through Harris Pond (formely reported as segment MA36067) to mouth at Ludlow/Chicopee corporate boundary where the stream name changes to Fuller Brook.	6.3	MILES		X			

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

					Uses Attained*				
WATER BODY	**SEGMENT ID**	**Description**	**SIZE**	**UNITS**	**Aesthetic**	**Fish, other Aquatic Life and Wildlife**	**Primary Contact Recreation**	**Secondary Contact Recreation**	**Shellfish Harvesting**
JABISH BROOK	MA36-43	Headwaters, outlet Knights Pond, Belchertown to mouth at confluence with Swift River, Belchertown.	14	MILES	X		X	X	
JOSLIN BROOK	MA36-44	Headwaters, outlet Lovewell Pond, Hubbardston to mouth at confluence with Mason Brook, Hubbardston.	3.3	MILES	X		X	X	
KINGS BROOK	MA36-48	Headwaters, west of Saint John Street, Palmer to mouth at confluence with Quaboag River, Palmer.	3.3	MILES	X		X	X	
MOOSE BROOK	MA36-51	Headwaters, outlet small unnamed pond north of Route 32, Barre to mouth at confluence with Ware River, Hardwick.	8	MILES	X		X	X	
Quaboag River	MA36-14	Headwaters, outlet Quaboag Pond, Brookfield to Route 67 bridge, West Brookfield.	6.1	MILES		X	X	X	
Swift River	MA36-09	Outlet Winsor Dam (NATID: MA00588), Belchertown to Upper Bondsville Mill Dam (NATID: MA00560), Belchertown/Palmer.	5.6	MILES	X	X	X	X	
Swift River	MA36-10	Upper Bondsville Mill Dam (NATID: MA00560), Belchertown/Palmer to mouth at confluence with Ware River, Palmer.	3.9	MILES	X	X	X	X	
TURKEY HILL BROOK	MA36-49	Outlet Thompsons Pond, Spencer to mouth at confluence with Sevenmile River, Spencer.	3.9	MILES	X		X	X	
Ware River	MA36-04	Dam at South Barre Reservoir (NATID: MA00091), Barre to Wheelwright Pond Dam (NATID: MA00616), New Braintree/Hardwick.	4.9	MILES	X	X	X	X	
Ware River	MA36-07	Thorndike Dam (NATID: MA00563), Palmer to mouth at confluence with Quaboag River (forming headwaters of Chicopee River), Palmer.	2.5	MILES	X	X	X	X	
West Branch Swift River	MA36-31	Headwaters, outlet of small unnamed impoundment east of Cooleyville Road (in Wendell State Forest), Wendell to mouth at inlet Quabbin Reservoir, Shutesbury/New Salem.	6.3	MILES	X				
Concord (SuAsCo)									
Cold Harbor Brook	MA82B-18	Headwaters, outlet Rocky Pond, Boylston to mouth at confluence with Howard Brook, Northborough.	6.1	MILES	X	X	X	X	
Danforth Brook	MA82B-19	Headwaters, confluence of Mill Brook and an unnamed tributary draining from Little Pond, Bolton to mouth at inlet of Bruces Pond, Hudson.	2.4	MILES		X			
Fort Meadow Brook	MA82B-11	Headwaters, outlet Fort Meadow Reservoir, Marlborough/Hudson to mouth at confluence with Assabet River, Hudson.	2.7	MILES		X			

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

					Uses Attained*				
WATER BODY	**SEGMENT ID**	**Description**	**SIZE**	**UNITS**	**Aesthetic**	**Fish, other Aquatic Life and Wildlife**	**Primary Contact Recreation**	**Secondary Contact Recreation**	**Shellfish Harvesting**
Hop Brook	MA82B-20	Outlet Smith Pond, Northborough to mouth at confluence with the Assabet River, Northborough.	1.3	MILES		X			
Indian Brook	MA82A-24	Outlet of Hopkinton Reservoir, Ashland to mouth at confluence with the Sudbury River, Ashland (formerly part of segment MA82A-12).	1.7	MILES		X			
North Brook	MA82B-21	Headwaters, east of Ballville Road and north of Wataquadock Hill Road, Bolton to mouth at confluence with the Assabet River, Berlin (excluding the approximately 0.1 mile through Wataquatic Pond (locally 'Fyfeshire Pond'), Bolton).	7.6	MILES	X	X	X	X	
Pine Brook	MA82A-14	Headwaters, south of Route 20, just east of the Weston/Wayland border to mouth at confluence with the Sudbury River, Wayland.	2.5	MILES		X			
STONY BROOK	MA82A-33	Headwaters, outlet Sudbury Reservoir, Southborough to mouth at inlet Framingham Reservoir #3, Framingham.	0.4	MILES	X		X	X	
Sudbury River	MA82A-01	Headwaters, outlet Cedar Swamp Pond, Westborough to the Fruit Street bridge, Hopkinton/Westborough.	1.9	MILES	X		X	X	
Unnamed Tributary	MA82B-16	Unnamed tributary to Assabet River (locally considered part of Spencer Brook), outlet Angiers Pond, Concord to mouth at confluence with the Assabet River, Concord.	0.5	MILES		X			
Willis Pond	MA82122	Sudbury.	67	ACRES		X			
Connecticut									
Amethyst Brook	MA34-35	Headwaters, confluence of Buffum and Harris brooks, Pelham to mouth at confluence with Adams River (forming headwaters Fort River), Amherst.	2.1	MILES	X	X	X	X	
Broad Brook	MA34-18	Headwaters, Holyoke to mouth at inlet Nashawannuck Pond, Easthampton.	9.3	MILES		X			
Cushman Brook	MA34-34	Headwaters, outlet Atkins Reservoir, Shutesbury to mouth at inlet Factory Hollow Pond, Amherst.	2.5	MILES		X			
DRY BROOK	MA34-64	Headwaters, west of Huckle Hill Road, Bernardston to mouth at confluence with the Connecticut River, Gill.	8.3	MILES	X		X	X	
East Branch Mill River	MA34-37	Headwaters, confluence with Bradford Brook, Williamsburg to mouth at confluence with West Branch Mill River (forming headwaters Mill River), Williamsburg.	2.8	MILES		X			
Fall River	MA34-33	Vermont/Massachusetts border, Bernardston to mouth at confluence with Connecticut River, Greenfield/Gill.	10.2	MILES	X	X	X	X	

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

					Uses Attained*				
WATER BODY	SEGMENT ID	Description	SIZE	UNITS	Aesthetic	Fish, other Aquatic Life and Wildlife	Primary Contact Recreation	Secondary Contact Recreation	Shellfish Harvesting
FOURMILE BROOK	MA34-56	Headwaters, south of the intersection of Four Mile Brook Road and South Mountain Road, Northfield, to mouth at confluence with Connecticut River, Northfield.	3.4	MILES	X		X	X	
HOP BROOK	MA34-61	Headwaters, west of Oasis Drive, Belchertown to mouth at confluence with Fort River, Amherst.	8.6	MILES	X		X	X	
Long Plain Brook	MA34-09	Headwaters, Leveret/Sunderland town line (in Mt. Toby State Forest) to mouth at confluence with Russellville Brook at Route 116, Sunderland.	5	MILES	X				
Mill River	MA34-24	Headwaters east of Fisher Hill, Conway to mouth at confluence with the Connecticut River, Hatfield.	24.6	MILES	X	X	X	X	
Mill River	MA34-28	Headwaters (confluence of East and West Branch Mill River, Williamsburg), to outlet Paradise Pond, Northampton.	10	MILES	X	X	X	X	
Moose Brook	MA34-17	Headwaters, perennial portion, Southampton to mouth at confluence with Manhan River, Southampton.	2.6	MILES	X	X	X	X	
NORTH BRANCH MANHAN RIVER	MA34-54	Headwaters, perennial portion, north of Northwest Road, Westhampton to mouth at confluence with Manhan River, Easthampton/Southampton.	9.2	MILES	X		X	X	
ROARING BROOK	MA34-63	From the outlet of Whately Glen Reservoir (South Deerfield Water Supply Dam, NATID: MA00522), Whatley to mouth at confluence with Mill River, Whately.	1.4	MILES	X		X	X	
RUSSELLVILLE BROOK	MA34-62	Headwaters, Route 116, Sunderland (river name changes at bridge from Long Plain Brook SARIS# 3420350) to mouth at confluence with the Connecticut River, Hadley.	4.4	MILES	X		X	X	
Sawmill River	MA34-41	Dudleyville Road, Leverett to mouth at confluence with Connecticut River, Montague (formerly part of MA34-26).	11	MILES	X	X	X	X	
Temple Brook	MA34-08	Headwaters, outlet Bradley Pond, Monson to mouth at confluence with Scantic River, Hampden.	3.6	MILES		X			
Tripple Brook	MA34-16	Headwaters, perennial portion, Southampton to mouth at confluence with Manhan River, Southampton.	1	MILES		X			
Upper Highland Lake	MA34093	Goshen.	51	ACRES			X	X	
West Branch Mill River	MA34-38	East Street, Goshen to the confluence of Meekin Brook, Williamsburg.	5.9	MILES		X			
West Branch Mill River	MA34-39	From the confluence of Meekin Brook, Williamsburg to mouth at confluence with East Branch Mill River (forming headwaters Mill River), Williamsburg.	0.6	MILES		X			

* Attained uses denoted by "X". The Fish Consumption use is not supported in any waters due to the DPH statewide health advisory.

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

WATER BODY	SEGMENT ID	Description	SIZE	UNITS	Uses Attained*				
					Aesthetic	Fish, other Aquatic Life and Wildlife	Primary Contact Recreation	Secondary Contact Recreation	Shellfish Harvesting
Deerfield									
ALBEE BROOK	MA33-33	Headwaters, north of Dodge Corner Road, Hawley to confluence with Deerfield River, Charlemont.	1	MILES		X			
ALLEN BROOK	MA33-34	Headwaters, east of the Shelburne Colrain Road and Route 2 intersection, Shelburne to confluence with Green River, Greenfield.	3.6	MILES		X			
AVERY BROOK	MA33-35	Headwaters, perennial portion south of Colrain Brook Road, Heath to confluence with Deerfield River, Charlemont.	3.7	MILES		X			
BASIN BROOK	MA33-36	Headwaters, Kenneth M. Dubuque Memorial State Forest, Hawley to confluence with King Brook, Hawley.	2.2	MILES		X			
BLACK BROOK	MA33-37	Headwaters, west of Chapel Road, Savoy to confluence with Cold River, Savoy.	3.3	MILES		X			
BORDEN BROOK	MA33-38	Vermont-Massachusetts stateline, Colrain to confluence with Green River, Colrain.	0.6	MILES		X			
Bozrah Brook	MA33-13	Headwaters, located west of East Hawley Road, Hawley (drains wetland) to confluence with Deerfield River, Charlemont.	3	MILES	X	X	X	X	
BRANDY BROOK	MA33-117	Headwaters east of North County Road, Leyden to confluence with Glen Brook, Leyden.	1.6	MILES		X			
BROWN BROOK	MA33-39	Headwaters, perennial portion east of Scott Road, Savoy to confluence with Chickley River, Savoy.	0.4	MILES		X			
BURRINGTON BROOK	MA33-40	Headwaters, east of Sadoga Road, Heath to confluence with West Branch Brook (forming headwaters West Branch North River), Heath.	2	MILES		X			
BURTON BROOK	MA33-41	Vermont-Massachusetts stateline, Rowe to confluence with West Branch Brook, Heath.	1.3	MILES		X			
CARY BROOK	MA33-42	Perennial portion north of East Catamount Hill Road, Colrain to confluence with West Branch North River, Colrain.	0.5	MILES		X			
CASCADE BROOK	MA33-43	Headwaters, perennial portion southeast of Moore Road, Florida to confluence with Deerfield River, Florida.	1.8	MILES		X			
CHAPEL BROOK	MA33-44	Outlet of unnamed pond, Ashfield to confluence with Poland Brook, Conway.	3.4	MILES	X	X	X	X	
Chickley River	MA33-11	Headwaters Savoy Mountain State Forest, Savoy to confluence with Deerfield River, Charlemont.	11.1	MILES	X	X	X	X	

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

					Uses Attained*				
WATER BODY	SEGMENT ID	Description	SIZE	UNITS	Aesthetic	Fish, other Aquatic Life and Wildlife	Primary Contact Recreation	Secondary Contact Recreation	Shellfish Harvesting
Clark Brook	MA33-16	Headwaters, near Moonshine Road (Howes Road)/East Buckland Road, Buckland to confluence with Clesson Brook, Buckland.	3.8	MILES	X	X	X	X	
Clesson Brook	MA33-15	Outlet of unnamed pond south of Forget Road, Hawley through Cox Pond to confluence with Deerfield River, Buckland.	10.3	MILES	X	X	X	X	
Cold River	MA33-05	Source in Florida to confluence with Deerfield River, Charlemont.	13.7	MILES	X	X	X	X	
COOLEY BROOK	MA33-45	Headwaters, north of La Belle Road, Hawley to confluence with Clesson Brook, Buckland.	1.5	MILES		X			
CREAMERY BROOK	MA33-46	Headwaters, perennial portion west of Steady Line Road, Ashfield to confluence with South River, Ashfield.	2.4	MILES	X	X	X	X	
DAVENPORT BROOK	MA33-111	Headwaters outlet Papoose Lake, Heath to confluence with Kinsman Brook forming headwaters Taylor Brook, Heath.	0.9	MILES		X			
Deerfield River	MA33-02	Confluence with Cold River, Charlemont to confluence with North River, Charlemont/Shelburne.	11.4	MILES	X	X	X	X	
DICKENSON BROOK	MA33-120	Headwaters west of Sumner Stetson Road, Heath to confluence with West Branch Brook, Heath.	0.7	MILES		X			
Drakes Brook	MA33-23	Headwaters, (perennial portion) west of North Warger Road, Ashfield to confluence with Bear River, Conway.	2.3	MILES		X			
DUNBAR BROOK	MA33-48	Vermont-Massachusetts stateline, Monroe to confluence with Deerfield River, Monroe.	5.6	MILES		X			
EAST GLEN BROOK	MA33-49	Headwaters, perennial portion north of East Glen Road, Leyden to inlet of Upper Greenfield Reservoir (Glen Brook Upper Reservoir), Leyden.	1.9	MILES		X			
EAST OXBOW BROOK	MA33-72	Headwaters, perennial portion east of Deer Run Lane, Charlemont to confluence with Deerfield River, Charlemont.	1.4	MILES		X			
FIFE BROOK	MA33-50	Headwaters, perennial portion southwest of Spruce Mountain in the Monroe State Forest, Monroe to confluence with Deerfield River, Florida.	2.6	MILES		X			
Foundry Brook	MA33-25	Headwaters north of Calvin Coombs Road, Colrain to confluence with East Branch North River, Colrain.	2.8	MILES	X	X	X	X	
FOX BROOK	MA33-51	From the outlet of Fox Brook Upper Reservoir, Colrain to confluence with North River, Colrain.	0.8	MILES		X			
FULLER BROOK	MA33-118	Perennial portion in Debuque State Forest, Hawley to confluence with Chickley River, Hawley.	0.9	MILES		X			

* Attained uses denoted by "X". The Fish Consumption use is not supported in any waters due to the DPH statewide health advisory.

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

					Uses Attained*				
WATER BODY	SEGMENT ID	Description	SIZE	UNITS	Aesthetic	Fish, other Aquatic Life and Wildlife	Primary Contact Recreation	Secondary Contact Recreation	Shellfish Harvesting
GLEN BROOK	MA33-52	Headwaters, east of Brattleboro Road, Leyden to inlet of Upper Greenfield Reservoir (Glen Brook Upper Reservoir), Leyden.	3.5	MILES		X			
GLEN BROOK	MA33-96	Outlet of Upper Greenfield Reservoir, Leyden to confluence with Green River, Greenfield.	3.2	MILES		X			
GRANGER BROOK	MA33-53	Headwaters, west of Bliss Road, Florida to confluence with Dunbar Brook, Monroe.	1.2	MILES		X			
GREAT BROOK	MA33-54	Headwaters, perennial portion west at Zerah Fiske Road, Shelburne to confluence with Hawkes Brook, Shelburne.	1.2	MILES		X			
Green River	MA33-28	Vermont line, Colrain to water supply dam north of Eunice Williams Drive (Pumping Station Dam, National ID MA02291), Greenfield (formerly part of MA33-09).	8.4	MILES	X	X	X	X	
Green River	MA33-29	From water supply dam north of Eunice Williams Drive (Pumping Station Dam, National ID MA02291), Greenfield to the Swimming Pool #2 Dam (National Dam ID MA02321) northwest of Nashs Mill Road, Greenfield (formerly part of MA33-09).	4.6	MILES		X			
GREEN RIVER	MA33-55	Headwaters, perennial portion in Florida State Forest west of Blackstone Road, Florida to confluence with Cold River, Florida.	1.3	MILES		X			
GULF BROOK	MA33-56	Outlet of Burnett Pond, Savoy to confluence with Cold River, Savoy.	3.5	MILES		X			
HALEY BROOK	MA33-57	Headwaters north of Main Street, Monroe to confluence with Dunbar Brook, Monroe.	1.5	MILES		X			
HARTWELL BROOK	MA33-58	Headwaters, south of South Heath Road, Charlemont to confluence with Deerfield River, Charlemont.	2.1	MILES		X			
HAWKES BROOK	MA33-112	Headwaters east of Zerah Fiske Road, Shelburne to confluence with Dragon Brook, Shelburne.	1.2	MILES		X			
HEATH BROOK	MA33-59	Headwaters, south of West Main Street, Heath to confluence with Mill Brook, Heath.	1	MILES		X			
HIBBARD BROOK	MA33-60	Headwaters, north of West Leyden Road, Leyden to confluence with Green River, Leyden.	1.5	MILES		X			
HORSEFORDS BROOK	MA33-62	Headwaters, west of Bannis Road, Savoy to confluence with Chickley River, Savoy.	1.9	MILES		X			
JOHNNY BEAN BROOK	MA33-63	Headwaters, Poland Brook State Wildlife Management Area, Conway to confluence with South River, Conway.	1.7	MILES		X			

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

					Uses Attained*				
WATER BODY	SEGMENT ID	Description	SIZE	UNITS	Aesthetic	Fish, other Aquatic Life and Wildlife	Primary Contact Recreation	Secondary Contact Recreation	Shellfish Harvesting
KATLEY BROOK	MA33-99	Headwaters, east of Kately Hill, Leyden to confluence with Green River, Leyden.	1.3	MILES		X			
KING BROOK	MA33-64	Outlet Hallockville Pond, Hawley to confluence with Chickley River, Hawley.	2.1	MILES		X			
LEGATE HILL BROOK	MA33-65	Headwaters, perennial portion north of Blueberry Peak, Charlemont to confluence with Deerfield River, Charlemont.	3.4	MILES		X			
MANNING BROOK	MA33-66	Headwaters, north of South County Road, Florida to confluence with Cold River, Florida.	1.4	MILES		X			
MAXWELL BROOK	MA33-67	Headwaters, located north of Tatro Road, Rowe to confluence with Mill Brook, Charlemont.	3.2	MILES		X			
MCCARD BROOK	MA33-68	Headwaters, east of Oak Hill Road, Leyden to confluence with Mill Brook, Greenfield.	2.1	MILES		X			
MEADOW BROOK	MA33-130	Headwaters, outlet McLeod Pond, Colrain to mouth at confluence with North River, Colrain.	1.2	MILES		X			
Mill Brook	MA33-14	Headwaters, originating north of Rowe Road, Heath to confluence with the Deerfield River, Charlemont.	5.7	MILES	X	X	X	X	
MILL BROOK	MA33-69	Headwaters, outlet Beaver Pond, Hawley to confluence with Chickley River, Hawley.	4.1	MILES		X			
North Pond	MA33014	Florida.	19	ACRES			X	X	
North River	MA33-06	From confluence of East and West branches of the North River, Colrain to confluence with Deerfield River, Shelburne/Charlemont. (Segment changed 1997 - East Branch no longer included in length) (HQW applies upstream of Barnhardt discharge (NPDES# MA0003697)).	3.3	MILES	X	X	X	X	
NYE BROOK	MA33-71	Headwaters, perennial portion north of Guinea Gulf (Conway State Forest), Conway to confluence with Poland Brook, Conway.	0.7	MILES		X			
PARSONAGE BROOK	MA33-123	Headwaters north of Main Road, Monroe to confluence with Dunbar Brook, Monroe.	1.5	MILES		X			
Pelham Brook	MA33-12	Headwaters outlet Pelham Lake, Rowe to confluence with Deerfield River, Charlemont.	4.8	MILES	X	X	X	X	
PHELPS BROOK	MA33-73	Perennial portion, north of Main Road, Monroe to inlet of Phelps Brook Reservoir, Monroe.	1.2	MILES		X			
POLAND BROOK	MA33-74	Confluence with Chapel Brook, Conway to confluence with South River, Conway.	2.6	MILES	X	X	X	X	

* Attained uses denoted by "X". The Fish Consumption use is not supported in any waters due to the DPH statewide health advisory.

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

					Uses Attained*				
WATER BODY	SEGMENT ID	Description	SIZE	UNITS	Aesthetic	Fish, other Aquatic Life and Wildlife	Primary Contact Recreation	Secondary Contact Recreation	Shellfish Harvesting
POTASH BROOK	MA33-75	Headwaters, Cranberry Swamp, Hawley (drains wetland) to confluence with Mill Brook, Hawley.	1.4	MILES		X			
Pumpkin Hollow Brook	MA33-32	Headwaters north of Conway State Forest and south of Old Cricket Hill Road, Conway to confluence with South River, Conway.	2.3	MILES		X	X	X	
PUNCH BROOK	MA33-100	Headwaters, perennial portion east of Smead Road, Shelburne to confluence with Green River, Greenfield.	2.1	MILES		X			
RICE BROOK	MA33-76	Headwaters, north of Hazelton Road, Rowe to confluence with Pelham Brook, Rowe.	1.2	MILES		X			
ROBERTS BROOK	MA33-77	Headwaters, east of Hosmer Road, Heath to confluence with West Branch North River, Colrain.	1	MILES		X			
ROSS BROOK	MA33-78	Headwaters, south of Tannery Road, Savoy to confluence with Tannery Brook, Savoy.	2	MILES		X			
RUDDOCK BROOK	MA33-79	Headwaters, west of Dodge Corner Road, Hawley to confluence with Clesson Brook, Buckland.	1.1	MILES		X			
SANDERS BROOK	MA33-80	Vermont/Massachusetts border, Heath to confluence with West Branch North River, Colrain.	2.8	MILES		X			
SCHNECK BROOK	MA33-113	Headwaters, north of Wilder Hill Road, Conway to confluence with the Deerfield River, Conway.	2	MILES		X			
SHELDON BROOK	MA33-81	Headwaters, south of Old Albany Road, Shelburne to confluence with Deerfield River, Deerfield/Greenfield.	1.4	MILES		X			
Shingle Brook	MA33-22	Headwaters north of Guy Manners Road, Shelburne to confluence with the Deerfield River, Deerfield.	2.8	MILES	X	X	X	X	
SIDS BROOK	MA33-82	Headwaters, perennial portion north of Baptist Corner Road, Ashfield to confluence with Drakes Brook, Conway.	1.7	MILES		X			
SLUICE BROOK	MA33-83	Headwaters, north of Tower Road, Shelburne to confluence with Deerfield River, Shelburne.	3.3	MILES		X			
SMEAD BROOK	MA33-84	Headwaters, east of Old Albany Road, Greenfield to confluence with Wheeler Brook, Greenfield.	1.7	MILES		X			
Smith Brook	MA33-26	Headwaters, outlet Upper Reservoir, Ashfield to confluence with Clesson Brook, Buckland.	2.7	MILES	X	X	X	X	
South Pond	MA33019	Savoy.	29	ACRES			X	X	
SPUR BROOK	MA33-106	Headwaters, outlet small pond just west at intersection of Christian Hill Road and Thompson Road, Colrain to confluence with East Branch North River, Colrain.	2	MILES		X			

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

					Uses Attained*				
WATER BODY	SEGMENT ID	Description	SIZE	UNITS	Aesthetic	Fish, other Aquatic Life and Wildlife	Primary Contact Recreation	Secondary Contact Recreation	Shellfish Harvesting
STAFFORD BROOK	MA33-98	Headwaters, perennial portion south of East Colrain Road, Colrain to confluence with Green River, Colrain.	1.4	MILES		X			
STAPLES BROOK	MA33-121	Headwaters east of Spruce Hill, North Adams to confluence Tower Brook, Florida.	1.4	MILES		X			
STEELE BROOK	MA33-85	Headwaters, perennial portion north of Tunnel Road, Rowe to confluence with Pelham Brook, Rowe.	1.7	MILES		X			
STEWART BROOK	MA33-132	Perennial portion north of Wilson Graves Road, Shelburne to mouth at confluence with Hinsdale Brook, Shelburne.	1	MILES		X			
TANNERY BROOK	MA33-86	Outlet of Tannery Pond, Savoy to confluence with Gulf Brook, Savoy.	0.7	MILES		X			
Taylor Brook	MA33-31	From the confluence of Kinsman Brook and Davenport Brook, Heath to confluence with West Branch North River, Colrain.	2.6	MILES	X	X	X	X	
TILTON BROOK	MA33-119	Headwaters in Savoy Mountain State Forest, west of Bannis Road, Savoy to confluence with Chickley River, Savoy.	2	MILES		X			
Tissdell Brook	MA33-24	Headwaters perennial portion east of Christian Hill Cemetary, Colrain to confluence with West Branch North River, Colrain.	1.7	MILES	X	X	X	X	
TOWER BROOK	MA33-87	Headwaters, west of Central Shaft Road, Florida (drains wetland) to confluence with Cold River, Florida.	1.9	MILES		X			
TROUT BROOK	MA33-88	Headwaters, perennial portion west of Hawks Mountain, Charlemont/Hawley to confluence with Cold River, Charlemont.	0.6	MILES		X			
TUTTLE BROOK	MA33-129	Headwaters east of Leshures Road, Rowe to mouth at confluence with Potter Brook, Rowe.	2	MILES		X			
Unnamed Tributary	MA33-103	Unnamed tributary to Hinsdale Brook, perennial portion east of Little Mohawk Road, Shelburne to confluence with Hinsdale Brook, Shelburne.	1.9	MILES		X			
Unnamed Tributary	MA33-104	Unnamed tributary to an unnamed tributary to Hinsdale Brook from Shearer Pond Dam (National Dam ID MA01531), Colrain to confluence with an unnamed tributary to Hinsdale Brook, Shelburne.	0.9	MILES		X			
Unnamed Tributary	MA33-105	Unnamed tributary to Glen Brook, headwaters north of Oak Hill Road, Leyden to confluence Glen Brook, Greenfield.	1.9	MILES		X			
Unnamed Tributary	MA33-107	Unnamed tributary to the East Branch North River, headwaters south of Fairbanks Road, Colrain to the confluence of the East Branch North River, Colrain.	1.7	MILES		X			

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

					Uses Attained*				
WATER BODY	SEGMENT ID	Description	SIZE	UNITS	Aesthetic	Fish, other Aquatic Life and Wildlife	Primary Contact Recreation	Secondary Contact Recreation	Shellfish Harvesting
Unnamed Tributary	MA33-108	Unnamed tributary to East Branch North River, headwaters outlet Mt. Brook Reservoir, Colrain to confluence with East Branch North River, Colrain.	1.4	MILES		X			
Unnamed Tributary	MA33-109	Unnamed tributary to West Branch North River, headwaters west of Wilson Hill Road, Colrain to confluence with West Branch North River, Colrain.	1.4	MILES		X			
Unnamed Tributary	MA33-110	Unnamed tributary to Taylor Brook, headwaters, Catamount State Forest, Colrain to confluence Taylor Brook, Colrain.	1.5	MILES		X			
Unnamed Tributary	MA33-114	Headwaters east of Pine Hill Road, Conway to confluence with South River, Conway.	1	MILES		X			
Unnamed Tributary	MA33-115	Unnamed tributary to Chapel Brook, headwaters west of Bird Hill Road, Ashfield to confluence with Chapel Brook, Ashfield.	1.5	MILES		X			
Unnamed Tributary	MA33-116	Unnamed tributary to Clesson Brook, headwaters north of Avery Road, Buckland to confluence with Clesson Brook, Buckland.	1.8	MILES		X			
Unnamed Tributary	MA33-133	Unnamed tributary to the Deerfield River from headwaters, outlet Goodnow Road Pond, Buckland to mouth at confluence with the Deerfield River, Buckland.	1.5	MILES		X			
Unnamed Tributary	MA33-134	Unnamed tributary to East Branch North River from headwaters east of Franklin Hill Road and southwest at Franklin Hill, Colrain to mouth at confluence with East Branch North River, Colrain.	0.7	MILES		X			
Unnamed Tributary	MA33-61	Unnamed tributary to Clark Brook locally known as "Hog Hollow Brook", headwaters north of Bray Road, Buckland to confluence with Clark Brook, Buckland.	1.1	MILES		X			
VINCENT BROOK	MA33-89	Headwaters, perennial portion east of Stetson Brothers Road, Colrain to confluence with West Branch North River, Colrain.	1	MILES		X			
WEST BRANCH BROOK	MA33-90	Headwaters, Vermont-Massachusetts stateline, Heath to confluence with Burrington Brook (forming headwaters West Branch North River), Heath.	5.4	MILES		X			
West Branch North River	MA33-27	Headwaters, confluence of West Branch Brook and Burrington Brook, Heath to confluence with East Branch North River, forming headwaters North River, Colrain.	7.2	MILES	X	X	X	X	
WHEELER BROOK	MA33-95	Headwaters, south of Old Greenfield Road, Shelburne to confluence with Green River, Greenfield.	2.5	MILES	X	X	X	X	

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

					Uses Attained*				
WATER BODY	SEGMENT ID	Description	SIZE	UNITS	Aesthetic	Fish, other Aquatic Life and Wildlife	Primary Contact Recreation	Secondary Contact Recreation	Shellfish Harvesting
WHITCOMB BROOK	MA33-91	Headwaters, perennial portion east of Whitcomb Hill Road, Florida to confluence with Deerfield River, Florida.	0.6	MILES		X			
WHITE BROOK	MA33-122	Headwaters east of Olson Road, Florida to confluence with the Cold River, Florida.	1.6	MILES		X			
WILDER BROOK	MA33-92	Headwaters, east of Flagg Hill Road, Heath to confluence with Deerfield River, Charlemont.	2.9	MILES		X			
WILLIS BROOK	MA33-93	Headwaters, perennial portion south of South Road, Heath to confluence with Hartwell Brook, Charlemont.	1.6	MILES		X			
WORKMAN BROOK	MA33-94	Headwaters, perennial portion west of East Colrain Road, Colrain (drains wetland) to confluence with Green River, Colrain.	1.4	MILES		X			
Farmington									
BABCOCK BROOK	MA31-32	Headwaters west of Amos Case Road, Tolland to mouth at confluence with Hall Pond Brook (forming headwaters Hubbard Brook), Tolland.	3.3	MILES		X			
BUCK RIVER	MA31-39	Outlet Abbey Lake, Sandisfield to mouth at confluence with Clam River, Sandisfield (formerly part of segment MA31-12).	4.1	MILES	X	X	X	X	
Clam River	MA31-03	Headwaters, perennial portion, outlet small unnamed pond, Otis to mouth at confluence with West Branch Farmington River, Sandisfield (excluding the 0.8 miles thru the Clam Lake Dam (NATID: MA01052) impoundment).	7.9	MILES	X	X	X	X	
Cone Brook	MA31-08	Headwaters, drainage from Angerman Swamp in Beartown State Forest, Otis to mouth at inlet Hayden Pond, Otis.	2.1	MILES		X			
Dimmock Brook	MA31-10	Outlet of Dimmock Brook Pond, Otis to mouth at confluence with West Branch Farmington River, Otis.	1	MILES	X	X	X	X	
EAST BRANCH SALMON BROOK	MA31-40	Headwaters, perennial portion, Granville to MA/CT border, Granville.	0.1	MILES		X			
Fall River	MA31-02	Headwaters, outlet Larkum Pond, Otis to mouth at confluence with West Branch Farmington River, Otis.	0.8	MILES	X	X	X	X	
HALFWAY BROOK	MA31-31	Headwaters, outlet of wetland in Granville State Forest, Tolland to mouth at confluence with Hubbard Brook, Granville.	1.8	MILES		X			
Hubbard Brook	MA31-16	Headwaters, confluence Babcock Brook and Hall Pond Brook, Tolland to MA/CT border Granville.	4	MILES	X	X	X	X	

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

					Uses Attained*				
WATER BODY	SEGMENT ID	Description	SIZE	UNITS	Aesthetic	Fish, other Aquatic Life and Wildlife	Primary Contact Recreation	Secondary Contact Recreation	Shellfish Harvesting
MINER BROOK	MA31-28	Headwaters, outlet wetland east of North Beech Plain Road, Sandisfield to mouth at confluence with West Branch Farmington River, Sandisfield.	1.5	MILES		X			
MOODY BROOK	MA31-23	Headwaters, outlet Trout Pond, Tolland to mouth at confluence with West Branch Farmington River, Sandisfield.	1.8	MILES		X			
NORTH BROOK	MA31-41	Headwaters, outlet unnamed pond north of Roberts Road, Sandisfield to MA/CT border, Sandisfield.	0.9	MILES		X			
POND BROOK	MA31-30	Headwaters, outlet Parsons Pond, Granville to mouth at confluence with Hubbard Brook, Granville.	4.6	MILES		X			
RICHARDSON BROOK	MA31-24	Headwaters, north of New Boston Road (Route 57), Tolland to mouth at confluence with Moody Brook, Tolland.	1.3	MILES		X			
RIISKA BROOK	MA31-17	Headwaters, perennial portion, west of New Hartford Road, Sandisfield to mouth at confluence with Sandy Brook, Sandisfield.	2.1	MILES		X			
Sandy Brook	MA31-14	Headwaters, outlet York Lake, New Marlborough to MA/CT border Sandisfield.	4.9	MILES	X	X	X	X	
Shales Brook	MA31-04	Source north of Tyringham Road, Becket to mouth at inlet Shaw Pond, Becket.	1.2	MILES	X	X	X	X	
Silver Brook	MA31-13	Headwaters, confluence of North Branch and South Branch Silver Brook, Sandisfield to mouth at confluence with Clam River, Sandisfield.	1	MILES	X	X	X	X	
SLOCUM BROOK	MA31-19	Headwaters, outlet small unnamed wetland pond south of Hartland Road, Tolland to MA/CT border, Tolland.	3.3	MILES		X			
SOUTH BRANCH SILVER BROOK	MA31-26	Headwaters, perennial portion north of Fox Road, Sandisfield to mouth at confluence with North Branch Silver Brook (forming headwaters Silver Brook), Sandisfield.	1.3	MILES		X			
TAYLOR BROOK	MA31-20	Headwaters, west of Clubhouse Road, Tolland to mouth at confluence with Slocum Brook, Tolland.	3.3	MILES		X			
THORP BROOK	MA31-22	Headwaters, east of Dodds Mountain, south of Sears Road, Sandisfield to mouth at confluence with West Branch Farmington River, Sandisfield.	2.7	MILES		X			
Unnamed Tributary	MA31-07	Source, outlet Shaw Pond, Becket/Otis to mouth at inlet Hayden Pond, Otis.	0.9	MILES	X		X	X	

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

					Uses Attained*				
WATER BODY	SEGMENT ID	Description	SIZE	UNITS	Aesthetic	Fish, other Aquatic Life and Wildlife	Primary Contact Recreation	Secondary Contact Recreation	Shellfish Harvesting
Unnamed Tributary	MA31-09	Unnamed tributary to West Branch Farmington River, source north of Route 23 and east of Harrington Road, Otis to mouth at confluence with West Branch Farmington River, Otis.	2	MILES	X	X	X	X	
Valley Brook	MA31-15	Source, northwest of Holden Hill, Granville to MA/CT border, Granville.	5.9	MILES	X	X	X	X	
French									
Mill Brook	MA42-10	Headwaters, outlet Webster Lake, Webster to mouth at confluence with French River, Webster.	1.2	MILES		X			
Unnamed Tributary	MA42-01	Unnamed tributary to Town Meadow Brook, outlet Sargent Pond, Leicester to inlet Dutton Pond, Leicester.	0.5	MILES		X			
Housatonic									
Benedict Pond	MA21011	Great Barrington/Monterey.	37	ACRES			X	X	
Cady Brook	MA21-12	Headwaters, northwest corner Peru, to mouth at inlet of Windsor Reservoir, Hinsdale.	3.5	MILES		X			
Cleveland Brook	MA21-08	Headwaters, outlet Cleveland Brook Reservoir, Hinsdale to mouth at confluence with East Branch Housatonic River, Dalton.	1.9	MILES		X			
Furnace Brook	MA21-21	Headwaters, perennial portion, south of Route 295 (Canaan Road), Richmond to mouth at inlet Mud Ponds, West Stockbridge.	3.7	MILES		X			
Goose Pond Brook	MA21-07	Headwaters, wetland north of George Cannan Road, Tyringham to mouth at confluence with the Housatonic River, Lee.	3.2	MILES	X	X	X	X	
Green River	MA21-23	MA/NY border, Alford, southwest of Route 71, to mouth at confluence with the Housatonic River, Great Barrington.	10.3	MILES	X	X	X	X	
Greenwater Brook	MA21-27	Headwaters, outlet Greenwater Pond, Becket to mouth at confluence with Goose Pond Brook, Lee.	4.4	MILES		X			
Hop Brook	MA21-28	Headwaters, outlet Curtin Pond, Otis to mouth at confluence with the Housatonic River, Lee.	12	MILES	X	X	X	X	
Larrywaug Brook	MA21-29	Headwaters, outlet Stockbridge Bowl, Stockbridge to mouth at confluence with Housatonic River, Stockbridge.	2.9	MILES	X	X	X	X	
RAWSON BROOK	MA21-37	Headwaters, north of Cronk Road, Monterey to mouth at confluence with Konkapot River, Monterey.	5.9	MILES	X		X	X	
TOWN BROOK	MA21-36	Headwaters, perennial portion, Lanesborough to mouth at inlet Pontoosuc Lake, Lanesborough.	7.9	MILES	X		X	X	

* Attained uses denoted by "X". The Fish Consumption use is not supported in any waters due to the DPH statewide health advisory.

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

					Uses Attained*				
WATER BODY	**SEGMENT ID**	**Description**	**SIZE**	**UNITS**	**Aesthetic**	**Fish, other Aquatic Life and Wildlife**	**Primary Contact Recreation**	**Secondary Contact Recreation**	**Shellfish Harvesting**
Wahconah Falls Brook	MA21-11	Headwaters, outlet Windsor Reservoir, Windsor to mouth at confluence with East Branch Housatonic River, Dalton.	3.4	MILES	X	X	X	X	
Williams River	MA21-06	Headwaters, outlet Shaker Mill Pond, West Stockbridge to mouth at confluence with Housatonic River, Great Barrington.	11	MILES	X	X	X	X	
Hudson: Bashbish									
BASHBISH BROOK	MA13-01	Headwaters at confluence with Ashley Hill Brook, west of West Street, Mount Washington to Massachusetts/New York border, Mount Washington.	2.1	MILES		X			
Hudson: Hoosic									
Bassett Brook	MA11-17	Headwaters, perennial portion, southeast slope of Saddle Ball Mountain, Adams to mouth at inlet Bassett Reservoir, Cheshire.	1.9	MILES		X			
Broad Brook	MA11-23	From Vermont state line, Williamstown to mouth at confluence with the Hoosic River, Williamstown.	2.2	MILES	X	X	X	X	
BUXTON BROOK	MA11-25	Headwaters, perennial portion, west of Petersburg Road, Williamstown to mouth at confluence with Hemlock Brook, Williamstown.	1.3	MILES	X	X	X	X	
Dry Brook	MA11-13	Headwaters, west of Jackson Road (in Savoy Wildlife Management Area), Savoy to mouth at confluence with Hoosic River, Adams.	6.7	MILES		X			
East Branch Green River	MA11-21	Headwaters, perennial portion, northeast of Sugarloaf Mountain, New Ashford to mouth at confluence with Green River, New Ashford.	2.2	MILES	X	X	X	X	
Green River	MA11-06	Headwaters, perennial portion, southwest of Sugarloaf Mountain (west of Ingraham Road), New Ashford to mouth at confluence with Hoosic River, Williamstown.	12.5	MILES	X	X	X	X	
HOPPER BROOK	MA11-28	Headwaters, perennial portion, east of Sperry Road, Williamstown to mouth at confluence with the Green River, Williamstown.	4	MILES	X	X	X	X	
Kitchen Brook	MA11-24	From the outlet of the unnamed reservoir (Kitchen Brook Reservoir), Cheshire to mouth at confluence with the Hoosic River, Cheshire.	1.4	MILES	X	X			
Mauserts Pond	MA11009	Clarksburg.	51	ACRES			X	X	
MILLER BROOK	MA11-27	Headwaters, west and south of East Hoosac Street, Adams to mouth at confluence with Tophet Brook, Adams.	2.4	MILES	X	X	X	X	

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

					Uses Attained*				
WATER BODY	**SEGMENT ID**	**Description**	**SIZE**	**UNITS**	**Aesthetic**	**Fish, other Aquatic Life and Wildlife**	**Primary Contact Recreation**	**Secondary Contact Recreation**	**Shellfish Harvesting**
Pecks Brook	MA11-18	Headwaters, perennial portion, west of West Mountatin Road, Adams to mouth at confluence with the Hoosic River, Adams.	2.7	MILES		X			
South Brook	MA11-15	Headwaters, west of Weston Mountain, Dalton to mouth at confluence with the Hoosic River, Cheshire.	4.1	MILES	X	X	X	X	
Thunder Brook	MA11-10	Headwaters, perennial portion, Cheshire to mouth at confluence with Kitchen Brook, Cheshire.	1.5	MILES		X			
West Branch Green River	MA11-22	Headwaters, perennial portion, west of Route 43, Hancock (near New York border) to mouth at confluence with Green River, Williamstown.	7.9	MILES		X			
Hudson: Kinderhook									
BENTLY BROOK	MA12-02	Headwaters, perennial portion, south of Brodie Mountain Road, Lanesborough to mouth at confluence with Kinderhook Creek, Hancock.	2.1	MILES	X	X	X	X	
Ipswich									
Bear Meadow Brook	MA92-07	Headwaters in Cedar Swamp, Reading to confluence with Ipswich River, Reading/North Reading.	2.8	MILES		X			
Berry Pond	MA92003	North Andover.	4	ACRES			X	X	
Boston Brook	MA92-13	Outlet of Towne Street Pond, North Andover to confluence with the Ipswich River, Middleton (excluding approximately 0.3 miles through Salem Street Pond segment MA92076), (through former pond segments Upper Boston Brook Pond MA92070 and Lower Boston Brook Pond MA92031).	7.2	MILES	X	X	X	X	
Stearns Pond	MA92061	North Andover.	43	ACRES		X			
Wills Brook	MA92-10	Headwaters, north of Lowell Street (excluding intermittent portion), Lynnfield to confluence with Ipswich River, Lynnfield (Lynnfield/North Reading townline).	1.5	MILES	X		X	X	
Islands									
Black Point Pond	MA97-33	Chilmark (includes channel connector to Tisbury Great Pond).	0.09	SQUARE MILES		X			
Cape Poge Bay	MA97-08	From the outlet of The Lagoon at Toms Neck, Edgartown to the confluence with Edgartown Harbor at the Cape Poge Gut, (excluding Shear Pen Pond and Pease Pond) Edgartown, Martha's Vineyard.	2.3	SQUARE MILES		X	X	X	X
Coskata Pond	MA97-03	Pond north of Nantucket Harbor, Nantucket to confluence with Nantucket Harbor, Nantucket.	0.08	SQUARE MILES			X	X	X

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

					Uses Attained*				
WATER BODY	**SEGMENT ID**	**Description**	**SIZE**	**UNITS**	**Aesthetic**	**Fish, other Aquatic Life and Wildlife**	**Primary Contact Recreation**	**Secondary Contact Recreation**	**Shellfish Harvesting**
Madaket Harbor	MA97-27	Waters encompassed within imaginary lines from Eel Point to the northern tip of Esther Island, from the southern tip of Esther Island southeasterly to the opposite shore and from Jackson Point easterly to Little Neck, Nantucket.	1.44	SQUARE MILES		X	X	X	X
Mattakeset Bay	MA97-14	Waters west of an imaginary line drawn southeasterly from Katama Point to Norton Point, Edgartown, Martha's Vineyard.	0.17	SQUARE MILES			X	X	X
Menemsha Pond	MA97-06	Waters between Nashaquitsa Pond and Menemsha Creek, Chilmark/Aquinnah, Martha's Vineyard.	0.89	SQUARE MILES		X	X	X	X
Mill Brook	MA97-22	Outlet of Bliss Pond, Chilmark to inlet Chilmark Pond, Chilmark, Martha's Vineyard.	2.4	MILES		X			
Mill Brook	MA97-24	Source in wetlands west of Roth Woodland Road, Chilmark to Old Millpond Dam, West Tisbury, Martha's Vineyard.	3.6	MILES		X			
Paint Mill Brook	MA97-23	Source east of Tea Lane, Chilmark to inlet of Paint Mill Brook Pond, Chilmark, Martha's Vineyard.	0.9	MILES		X			
Sunset Lake	MA97-31	Oak Bluffs.	0.01	SQUARE MILES		X			
Tiasquam River	MA97-25	Source in wetlands west of Tea Lane, Chilmark to Warren Pond Dam, Chilmark/West Tisbury, Martha's Vineyard.	3.2	MILES		X			
Westend Pond	MA97-20	Cuttyhunk Island, Gosnold, Elizabeth Islands.	0.06	SQUARE MILES			X	X	X
WITCH BROOK	MA97-36	Perennial portion south of South Gate Road, West Tisbury to mouth at Crocker Pond inlet, West Tisbury.	0.5	MILES		X			
Merrimack									
Bridge Meadow Brook	MA84A-34	Headwaters, north of Chestnut Road, Tyngsborough to inlet Flint Pond, Tyngsborough.	4	MILES		X			
Johnson Creek	MA84A-15	Headwaters, Groveland (excluding intermittent portion) to confluence with Merrimack River, Groveland/Haverhill.	1.1	MILES	X	X	X	X	
Lawrence Brook	MA84A-20	Headwaters, Tyngsborough (excluding intermittent portion) to confluence with Merrimack River, Tyngsborough.	2	MILES		X			
Martins Pond Brook	MA84A-19	Headwaters outlet Martins Pond, Groton to inlet Lost Lake, Groton.	2.3	MILES		X			
Reed Brook	MA84B-08	Headwaters, south of the West Street/Cowdry Hill Road intersection, Westford to the confluence with Stony Brook, Westford.	0.6	MILES		X			

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

					Uses Attained*				
WATER BODY	**SEGMENT ID**	**Description**	**SIZE**	**UNITS**	**Aesthetic**	**Fish, other Aquatic Life and Wildlife**	**Primary Contact Recreation**	**Secondary Contact Recreation**	**Shellfish Harvesting**
Unnamed Tributary	MA84A-38	(Locally known as Argilla Brook) Unnamed tributary to Johnson Creek (excluding intermittent portion) from Center Street, Groveland to confluence with Johnson Creek, Groveland.	1.3	MILES		X			
Millers									
Dunn Pond	MA35021	Gardner.	18	ACRES			X	X	
Otter River	MA35-07	Gardner WWTP, Gardner/Templeton to Seaman Paper Dam, Templeton.	4.4	MILES	X	X		X	
Priest Brook	MA35-10	Headwaters at the confluence of Towne and Scott Brooks, Royalston to the confluence with the Millers River, Winchendon. (According to SARIS includes lower portion of Scott Brook.).	6.8	MILES	X	X		X	
Ruggles Pond	MA35072	Wendell.	15	ACRES			X	X	
Mount Hope Bay (Shore)									
COLE RIVER	MA61-10	Headwaters, south of Wellington Street, Dighton to Wood Street, Swansea.	6.4	MILES	X	X	X	X	
Narragansett Bay (Shore)									
Bad Luck Brook	MA53-11	Headwaters, outlet Warren Upper Reservoir, Rehoboth to confluence with East Branch Palmer River, Rehoboth.	1.7	MILES	X	X	X	X	
East Branch Palmer River	MA53-08	Headwaters, near Stevens Corner Cemetery, Rehoboth to confluence with West Branch Palmer River (forming Palmer River), Rehoboth.	7.2	MILES	X	X	X	X	
West Branch Palmer River	MA53-07	Headwaters just north of Fairfield Street, Rehoboth to confluence with East Branch Palmer River (forming Palmer River), Rehoboth.	4.4	MILES	X	X	X	X	
Nashua									
BOWERS BROOK	MA81-73	From outlet Barre Hill Pond, Harvard to mouth at inlet unnamed pond, Ayer.	6.1	MILES	X		X	X	
Catacoonamug Brook	MA81-16	Outlet Lake Shirley, Lunenburg to mouth at confluence with Nashua River (backwater area), Shirley.	2.7	MILES	X	X	X	X	
COBB BROOK	MA81-71	Headwaters, outlet small unnamed pond west of Brooks Station Road, Princeton to mouth at confluence with South Wachusett Brook, Princeton.	2.7	MILES	X		X	X	
Fall Brook	MA81-38	From outlet Fall Brook Reservoir, Leominster to inlet Lake Samoset, Leominster (formerly part of segment MA81-14).	1.3	MILES	X		X	X	

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

					Uses Attained*				
WATER BODY	SEGMENT ID	Description	SIZE	UNITS	Aesthetic	Fish, other Aquatic Life and Wildlife	Primary Contact Recreation	Secondary Contact Recreation	Shellfish Harvesting
Flag Brook	MA81-10	Headwaters, outlet Crocker Pond, Westminster to mouth at inlet of impoundment (Wachusett Station Pond) of North Nashua River, Fitchburg (excluding approximately 0.7 miles through Sawmill Pond segment MA81118).	2.2	MILES	X		X	X	
French Brook	MA81-48	Headwaters, west of Linden Street, Boylston to mouth at inlet Wachusett Reservoir (Andrews Harbor), Boylston.	1.4	MILES	X		X	X	
Gates Brook	MA81-24	Headwaters west of Prospect Street, West Boylston to mouth at inlet Wachusett Reservoir (Gates Cove), West Boylston.	3.4	MILES	X	X	X	X	
GOVERNOR BROOK	MA81-70	Headwaters, east of Worcester Road (Route 31), and south of Flagg Hill, Princeton to mouth at confluence with Trout Brook, Holden.	4.4	MILES	X		X	X	
GULF BROOK	MA81-76	Headwaters, outlet Heald Pond, Pepperell to the New Hampshire border, Pepperell approximately 0.2 miles upstream of mouth at confluence with Nissitissit River.	2.6	MILES	X		X	X	
LOCKE BROOK	MA81-78	From New Hampshire border, Ashby to mouth at confluence with Willard Brook, Townsend.	4.4	MILES	X		X	X	
Malden Brook	MA81-27	Headwaters northeast of Lee Street, West Boylston to mouth at inlet Wachusett Reservoir (Thomas Basin), West Boylston.	1.9	MILES	X	X	X	X	
Mulpus Brook	MA81-36	Headwaters, north of Howard Street, Lunenburg to the inlet of Hickory Hills Lake, Lunenburg (formerly part of segment MA81-22).	3.8	MILES	X		X	X	
MUSCHOPAUGE BROOK	MA81-69	Headwaters, east of Glenwood Road, Rutland to mouth at inlet Quinapoxet Reservoir, Holden.	3.5	MILES	X		X	X	
Nashua River	MA81-08	("South Branch" Nashua River) Headwaters, outlet Lancaster Millpond, Clinton to Clinton WWTP discharge (NPDES: MA0100404), Clinton.	2.8	MILES	X	X	X	X	
Phillips Brook	MA81-12	Headwaters, outlet Winnekeag Lake, Ashburnham to Westminster Street (Route 2A/31), Fitchburg (segment includes McTaggarts Pond and unnamed tributary to North Nashua River) (qualifiers apply to 0.0 to 1.0 mile of river per 2007 SWQS, NOTE: CSO eliminated in 2006).	8.4	MILES	X	X	X	X	
Squannacook River	MA81-19	Hollingsworth and Vose Dam (NATID: MA00443), Groton/Shirley to mouth at confluence with Nashua River, Shirley/Groton/Ayer.	3.7	MILES	X	X	X	X	

* Attained uses denoted by "X". The Fish Consumption use is not supported in any waters due to the DPH statewide health advisory.

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

					Uses Attained*				
WATER BODY	**SEGMENT ID**	**Description**	**SIZE**	**UNITS**	**Aesthetic**	**Fish, other Aquatic Life and Wildlife**	**Primary Contact Recreation**	**Secondary Contact Recreation**	**Shellfish Harvesting**
Still River	MA81-15	From Route 117, Bolton to mouth at confluence with Nashua River, Harvard/Lancaster.	2.7	MILES	X		X	X	
Sucker Brook	MA81-23	Headwaters outlet Coon Tree Pond, Pepperell to mouth at confluence with Nissitissit River, Pepperell.	4	MILES	X		X	X	
TRAPFALL BROOK	MA81-77	Headwaters, north of Jones Hill Road, Ashby to mouth at confluence with Willard Brook, Ashby.	5.5	MILES	X		X	X	
UNKETY BROOK	MA81-81	Headwaters, east of Chicopee Row, Groton to mouth at confluence with Nashua River, Dunstable.	6.7	MILES	X		X	X	
Upper Crow Hill Pond	MA81169	Westminster.	5	ACRES			X	X	
Whitman River	MA81-11	Headwaters, outlet Lake Wampanoag, Ashburnham to mouth at inlet Snows Millpond, Fitchburg/Westminster (excluding the approximately 1.2 miles through Whitmanville Reservoir segment MA81109 and the approximately 0.8 miles through Crocker Pond segment MA81025).	6.3	MILES	X	X	X	X	
WITCH BROOK	MA81-75	Headwaters, outlet small unnamed pond west of Pierce Road, Townsend to mouth at confluence with Squannacook River (backwater area), Townsend.	2.5	MILES	X		X	X	
North Coastal									
Alewife Brook	MA93-45	Headwaters, outlet Chebacco Lake, Essex to Landing Road, Essex.	1.4	MILES	X		X	X	
Beck Pond	MA93003	Hamilton.	35	ACRES		X			
Lower Pond	MA93044	Saugus.	21	ACRES			X	X	
Parker									
Penn Brook	MA91-16	Headwaters, outlet Baldpate Pond, Boxford to mouth at confluence with Parker River, Georgetown.	3	MILES	X	X	X	X	
Quinebaug									
BREAKNECK BROOK	MA41-28	Headwaters outlet Breakneck Pond, Sturbridge to mouth at confluence with Quinebaug River, Sturbridge.	3.7	MILES	X		X	X	
Browns Brook	MA41-20	From the state line Holland, MA/Union, CT to mouth at inlet of Hamilton Reservoir, Holland.	0.8	MILES	X	X			
Hamant Brook	MA41-15	Headwaters, outlet unnamed pond, Sturbridge to mouth at confluence with the Quinebaug River, Sturbridge.	3.1	MILES		X			
Hatchet Brook	MA41-14	From the outlet of No. 3 Reservoir, Southbridge to mouth at confluence with the Quinebaug River, Southbridge.	1.3	MILES	X	X	X	X	

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

					Uses Attained*				
WATER BODY	**SEGMENT ID**	**Description**	**SIZE**	**UNITS**	**Aesthetic**	**Fish, other Aquatic Life and Wildlife**	**Primary Contact Recreation**	**Secondary Contact Recreation**	**Shellfish Harvesting**
Hollow Brook	MA41-24	Headwaters, west of Hollow Road, Wales to mouth at confluence with Mill Brook, Brimfield.	2.7	MILES		X			
Leadmine Brook	MA41-21	Headwaters, outlet Leadmine Pond, Sturbridge to the state line, Sturbridge, MA/Union, CT.	2.5	MILES		X			
Lebanon Brook	MA41-11	From the state line, Southbridge, MA/Woodstock, CT, to mouth at confluence with the Quinebaug River, Southbridge.	4.7	MILES		X			
Mountain Brook	MA41-18	Headwaters, east of Steerage Rock Road (excluding intermittent portion), Brimfield to mouth at confluence with Mill Brook, Brimfield.	1.9	MILES		X			
Rocky Brook	MA41-22	Headwaters east of Chamberlain Pond (excluding intermittent portion), Douglas to the state line Douglas, MA/Thompson, CT.	1.9	MILES	X	X			
Stevens Brook	MA41-19	From the state line Wales, MA/Stafford, CT to mouth at inlet of Hamilton Reservoir, Holland.	4.7	MILES	X	X	X	X	
Tufts Branch	MA41-10	Headwaters, north of Dudley-Southbridge Road, Dudley to the state line, Dudley, MA/Thompson, CT.	2.8	MILES		X			
Unnamed Tributary	MA41-23	Unnamed tributary to the Quinebaug River from headwaters at the outlet of an unnamed pond on the Southbridge/Charlton border to mouth at confluence with the Quinebaug River, Southbridge.	1.9	MILES		X			
Unnamed Tributary	MA41-25	Unnamed tributary to Tufts Branch, headwaters, outlet Wielock Pond, Dudley to mouth at confluence with Tufts Branch, Dudley.	0.2	MILES		X			
Unnamed Tributary	MA41-26	Unnamed tributary locally known as 'Freeman's Brook' from headwaters west of Cronin Road, Warren to an unnamed tributary to Long Pond, Sturbridge.	2.6	MILES		X			
Unnamed Tributary	MA41-27	Unnamed tributary to Mill Brook, headwaters south of East Hill Road, Brimfield to mouth at confluence with Mill Brook, Brimfield.	1.7	MILES		X			
Shawsheen									
ELM BROOK	MA83-23	Headwaters, south of Route 2A, Lincoln to beginning of channelized portion southwest of Kendall Court, Bedford (formerly part of segment MA83-05).	2.7	MILES		X			
Meadow Brook	MA83-12	Headwaters, outlet Ames Pond, Tewksbury, to confluence with Strong Water Brook, Tewksbury.	1.7	MILES		X			

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

					Uses Attained*				
WATER BODY	**SEGMENT ID**	**Description**	**SIZE**	**UNITS**	**Aesthetic**	**Fish, other Aquatic Life and Wildlife**	**Primary Contact Recreation**	**Secondary Contact Recreation**	**Shellfish Harvesting**
Spring Brook	MA83-14	Headwaters, wetland northeast of Route 3 Billerica, to confluence with Shawsheen River, Bedford.	2.6	MILES	X	X	X	X	
South Coastal									
Bartlett Pond	MA94005	Plymouth.	33	ACRES	X				
BEN MANN BROOK	MA94-41	Headwaters, south of Abington Rockland Reservoir, Rockland to mouth at confluence with Cushing Brook, Hanover.	2	MILES	X		X	X	
FIRST HERRING BROOK	MA94-36	Headwaters, in South Swamp, Norwell to inlet Tack Factory Pond, Scituate (formerly reported as portion of segment MA94-25).	2.6	MILES	X	X	X	X	
Iron Mine Brook	MA94-24	Headwaters north of Route 139, Hanover to mouth at confluence with Indian Head River, Hanover (area associated with North River Corridor designated as ORW).	1.4	MILES	X	X	X	X	
Plymouth Bay	MA94-17	The waters southeast of a line drawn from Saquish Head to the tip of Plymouth Beach, Plymouth and west of a line from Gurnet Point to Rocky Point, Plymouth.	10.3	SQUARE MILES		X	X	X	X
Second Herring Brook	MA94-26	Headwaters, outlet Turner Pond, Norwell (excluding the approximately 0.3 mile throughTorrey Pond) to the Second Herring Brook Pond Dam (NATID: MA02171), Norwell (area associated with North River Corridor designated as ORW).	1.5	MILES		X			
South River	MA94-08	Headwaters, outlet unnamed pond north of Congress Street, Duxbury to dam near Main Street (Route 3A), Marshfield (through South River Pond, formerly segment MA94148).	4.9	MILES	X	X	X	X	
Tack Factory Pond	MA94152	Scituate.	8	ACRES		X			
Third Herring Brook	MA94-27	Headwaters, outlet Jacobs Pond, Norwell/Hanover to mouth at confluence with North River, Norwell/Hanover (area associated with North River Corridor designated as ORW).	5.3	MILES	X	X	X	X	
TOWN BROOK	MA94-42	Headwaters, outlet Billington Sea, Plymouth to just upstream of the Route 3A bridge, Plymouth (excluding the approximately 0.07 mile through Arms House Pond).	1.5	MILES	X		X	X	
Unnamed Tributary	MA94-35	Unnamed tributary to Eel River, from outlet cranberry bog south of Valley Road, Plymouth to mouth at confluence with Eel River, Plymouth (through Forge Pond, formerly segment MA94036).	2.4	MILES	X		X	X	
Taunton									

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

					Uses Attained*				
WATER BODY	**SEGMENT ID**	**Description**	**SIZE**	**UNITS**	**Aesthetic**	**Fish, other Aquatic Life and Wildlife**	**Primary Contact Recreation**	**Secondary Contact Recreation**	**Shellfish Harvesting**
Assonet River	MA62-19	Outlet Forge Pond, Freetown toTisdale Pond Dam (NATID: MA03049) (north of Route 79/Elm Street intersection), Freetown.	0.9	MILES		X			
CANOE RIVER	MA62-64	Headwaters in wetland east of Cow Hill, Sharon to inlet Beaumont Pond, Foxborough (formerly part of segment MA62-27).	3.1	MILES	X	X	X	X	
CANOE RIVER	MA62-65	From outlet of Beaumont Pond, Foxborough to inlet of Hartwell School Pond, Mansfield (formerly part of segment MA62-27).	3.8	MILES		X			
CANOE RIVER	MA62-66	From outlet of Hartwell School Pond, Mansfield to mouth at inlet Winnecunnet Pond, Norton (formerly part of segment MA62-27).	6.9	MILES		X			
Cedar Swamp River	MA62-44	Headwaters south of Freetown Street, Lakeville to inlet Forge Pond, Freetown (stream name changes to Assonet River at Lakeville/Freetown corporate boundary).	5.8	MILES		X			
Nemasket River	MA62-25	Headwaters, outlet Assawompset Pond, Lakeville/Middleborough to Middleborough WWTP (NPDES: MA0101591) discharge, Middleborough.	6.2	MILES		X			
Rattlesnake Brook	MA62-45	Headwaters east of Riggenbach Road, Fall River to mouth at confluence with Assonet River, Freetown.	3.2	MILES		X			
Rumford River	MA62-40	From outlet Norton Reservoir, Norton to mouth at confluence with Wading River forming headwaters Threemile River, Norton (formerly part of segment MA62-15).	4.5	MILES	X		X	X	
Satucket River	MA62-10	Headwaters, outlet Robbins Pond, East Bridgewater to mouth at confluence with the Matfield River, East Bridgewater.	5.6	MILES	X	X	X	X	
Three Mile River	MA62-56	Confluence of Wading and Rumford rivers, Norton to dam (NATID: MA03083) behind 66 South Street (Harodite Finishing Co.), Taunton (excluding the approximately 0.5 mile through Oakland Pond segment MA62136 and the appproximatley 1.0 mile through Mount Hope Mill Pond segment MA62122) (formerly part of segment MA62-16).	10.5	MILES	X		X	X	
WADING RIVER	MA62-61	From outlet Barrowsville Pond, Norton to mouth at confluence with Rumford River, forming headwaters Threemile River, Norton (formely part of segment MA62-49 and MA62-17(2004)).	3.3	MILES	X	X	X	X	
Westfield									

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

					Uses Attained*				
WATER BODY	SEGMENT ID	Description	SIZE	UNITS	Aesthetic	Fish, other Aquatic Life and Wildlife	Primary Contact Recreation	Secondary Contact Recreation	Shellfish Harvesting
BARTLETT BROOK	MA32-50	Headwaters (perennial portion), between Mountain and Prospect streets, Plainfield to mouth at confluence with Westfield River, Cummington.	2	MILES		X			
Bedlam Brook	MA32-33	Headwaters (perennial portion), north of Blandford Road, Blandford to mouth at confluence with Peebles Brook, Blandford.	2.8	MILES	X	X	X	X	
Bradley Brook	MA32-21	Headwaters, confluence Black and Stage brooks, Russell to mouth at confluence with Westfield River, Russell.	0.7	MILES	X		X	X	
BRONSON BROOK	MA32-45	Headwaters, north of Trouble Road, Cummington to mouth at confluence with West Falls Branch, Worthington. (formerly identified by the Massachusetts Stream Classification Program as West Branch).	4.2	MILES		X			
Depot Brook	MA32-17	Source, north of Beach Road, Washington to mouth at confluence with Yokum Brook (forming headwaters of West Branch Westfield River), Becket.	5.9	MILES	X	X	X	X	
Dickinson Brook	MA32-34	Source, confluence of Trumble Brook and Seymour Brook, Granville to mouth at confluence with Munn Brook, Granville.	3.4	MILES	X	X	X	X	
FACTORY BROOK	MA32-42	Headwaters, east of Ridge Road, in Middlefield State Forest, Peru to mouth at confluence with West Branch Westfield River, Middlefield.	7.6	MILES		X			
FULLER BROOK	MA32-64	Headwaters, outlet wetland west at Mongue Road, Peru to mouth at confluence with Middle Branch Westfield River, Worthington.	4.2	MILES		X			
Glendale Brook	MA32-10	Headwaters in a wetland in Peru State Forest, Peru to mouth at confluence with Middle Branch Westfield River, Middlefield.	6	MILES	X	X	X	X	
Great Brook	MA32-25	Source, outlet Congamond Lakes, Southwick to mouth at confluence with Westfield River, Westfield.	10.8	MILES	X		X	X	
KEARNERY BROOK	MA32-46	Headwaters, north of Powell Road and east of FAA Road, Cummington to mouth at confluence with Bronson Brook, Worthington.	3.2	MILES		X			
Kinne Brook	MA32-32	Headwaters (perennial portion), north of Adams Road, Worthington to mouth at confluence with Middle Branch Westfield River, Chester.	4	MILES	X	X	X	X	

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

					Uses Attained*				
WATER BODY	SEGMENT ID	Description	SIZE	UNITS	Aesthetic	Fish, other Aquatic Life and Wildlife	Primary Contact Recreation	Secondary Contact Recreation	Shellfish Harvesting
Meadow Brook	MA32-11	Headwaters, outlet unnamed pond south of Route 116, Plainfield to mouth at confluence with Westfield River, Cummington.	4.6	MILES	X	X	X	X	
Middle Branch Westfield River	MA32-03	Outlet Littleville Dam, Chester/Huntington to mouth at confluence with Westfield River, Huntington.	1.1	MILES	X		X	X	
MIDDLE BRANCH WESTFIELD RIVER	MA32-66	From Kinnebrook Road, Dayville (locality in Chester) to inlet of Littleville Lake, just upstream from boat ramp (off southern end of Kinnebrook Road), Chester.	0.6	MILES	X		X	X	
MILL BROOK	MA32-49	Headwaters, south of Hawley Street, Plainfield to mouth at confluence with Westfield River, Cummington.	6	MILES		X			
MOOSE MEADOW BROOK	MA32-40	Headwaters, west of Bungay Mountain, east of New State Road, Montgomery to inlet Westfield Reservoir, Montgomery (formerly part of segment MA32-23).	2.9	MILES		X			
MUNN BROOK	MA32-59	Headwaters, outlet Winchell Reservoir, Granville to mouth at confluence with Little River, Westfield.	5.5	MILES		X			
NORTH BRANCH SWIFT RIVER	MA32-54	Headwaters, outlet small unnamed pond west of Grant Street, Plainfield to mouth at confluence with Swift River, Cummington.	6.9	MILES		X			
Paucatuck Brook	MA32-29	From outlet of Bearhole Reservoir, West Springfield to mouth at confluence with Westfield River, West Springfield.	1.5	MILES	X	X	X	X	
Pond Brook	MA32-24	Headwaters, outlet Chapin Pond, Westfield to mouth at confluence with Powdermill Brook, Westfield.	3.9	MILES	X	X	X	X	
POND BROOK	MA32-44	Headwaters, outlet Norwich Pond, Huntington to mouth at confluence with Westfield River, Huntington.	3.1	MILES	X	X			
Roaring Brook	MA32-30	Headwaters (perennial portion), north of Horse Hill in Huntington State Forest, east of County Road, Huntington to mouth at confluence with Westfield River, Montgomery.	4.3	MILES	X	X	X	X	
ROARING BROOK	MA32-61	Headwaters, outlet small unnamed pond north of Lyman Road, Chester to mouth at confluence with West Branch Westfield River, Huntington.	4.5	MILES		X			
Sanderson Brook	MA32-31	Headwaters (perennial portion), in the Chester/Blandford State Forest, north of Chester Road, Blandford to mouth at confluence with West Branch Westfield River, Chester.	2.7	MILES	X	X	X	X	
Shaker Mill Brook	MA32-18	Headwaters, west of Watson Road, Washington to mouth at confluence with Depot Brook, Becket.	4.1	MILES	X	X	X	X	

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

					Uses Attained*				
WATER BODY	SEGMENT ID	Description	SIZE	UNITS	Aesthetic	Fish, other Aquatic Life and Wildlife	Primary Contact Recreation	Secondary Contact Recreation	Shellfish Harvesting
SHAW BROOK	MA32-52	Headwaters, north of Shaw Road, Windsor to mouth at confluence with Westfield Brook, Windsor.	2.2	MILES		X			
STAGE BROOK	MA32-60	Headwaters, confluence of Freeland Brook and Wigwam Brook, Russell to mouth at confluence with Black Brook (forming headwaters Bradley Brook), Russell.	1	MILES		X			
STONES BROOK	MA32-48	Headwaters, outlet small unnamed pond north of Dyers Road, Ashfield to mouth at confluence with Swift River, Goshen.	4.7	MILES		X			
Swift River	MA32-12	Headwaters, west of Plainfield Road, Hawley to mouth at confluence with Westfield River at village of Swift River, Cummington.	11.3	MILES	X	X	X	X	
TOWER BROOK	MA32-47	Headwaters, north of Dodwells Road, Cummington to mouth at confluence with Westfield River, Chesterfield.	4.1	MILES		X			
Walker Brook	MA32-20	Headwaters, outlet Center Pond (north of YMCA Road), Becket to mouth at confluence with West Branch Westfield River, Chester.	7.1	MILES	X	X	X	X	
Wards Stream	MA32-15	Headwaters, south of Cold Street, Worthington to mouth at confluence with Watts Stream (forming headwaters Little River), Ringville (locality in Worthington).	5.1	MILES	X	X	X	X	
Watts Stream	MA32-14	Headwaters, north of Buffington Hill Road, Worthington to mouth at confluence with Wards Stream (forming headwaters Little River), Ringville (locality in Worthington).	5.2	MILES	X	X	X	X	
West Branch Westfield River	MA32-01	Headwaters, confluence of Depot Brook and Yokum Brook, Becket to mouth at confluence with Westfield River, Huntington (HQW qualifier applies to portion of river upstream of Chester Center).	17.2	MILES	X	X	X	X	
WESTFIELD BROOK	MA32-51	Headwaters, outlet wetland north of Hill Cemetery Road, Windsor to mouth at confluence with Westfield River, Cummington.	8.6	MILES		X			
Westfield River	MA32-05	Confluence with Middle Branch Westfield River, Huntington to Route 20 bridge, Westfield.	17.7	MILES	X	X	X	X	
Westfield River	MA32-06	Route 20 bridge, Westfield to Westfield city boundary with West Springfield and Agawam.	1.9	MILES	X	X	X	X	
Westfield River	MA32-07	Westfield/West Springfield/Agawam city line to mouth at confluence with Connecticut River, Agawam.	8.5	MILES	X	X	X	X	

* Attained uses denoted by "X". The Fish Consumption use is not supported in any waters due to the DPH statewide health advisory.

Category 2 waters listed alphabetically by major watershed
"Attaining some uses; other uses not assessed"

					Uses Attained*				
WATER BODY	SEGMENT ID	Description	SIZE	UNITS	Aesthetic	Fish, other Aquatic Life and Wildlife	Primary Contact Recreation	Secondary Contact Recreation	Shellfish Harvesting
Yokum Brook	MA32-19	Headwaters, outlet Buckley-Dunton Lake, south of County Road, Becket to mouth at confluence with Depot Brook (forming headwaters of West Branch Westfield River), Becket.	4	MILES	X	X	X	X	

Category 3 waters listed alphabetically by major watershed
"No uses assessed"

WATER BODY	SEGMENT ID	Description	SIZE	UNITS
Blackstone				
Bell Pond	MA51009	Worcester.	10	ACRES
Brooklawn Parkway Pond	MA51195	Shrewsbury.	2	ACRES
Carpenter Reservoir	MA51015	Northbridge.	79	ACRES
Chase Pond	MA51017	Douglas.	11	ACRES
Chockalog Pond	MA51018	Uxbridge.	11	ACRES
Clark Reservoir	MA51022	Sutton.	30	ACRES
Crane Pond	MA51030	Blackstone.	1	ACRES
Crystal Lake	MA51031	Douglas.	96	ACRES
Dark Brook Pond	MA51034	Sutton.	18	ACRES
Doctors Pond	MA51194	Uxbridge.	1	ACRES
Dudley Pond	MA51041	Douglas.	8	ACRES
Greene Brook	MA51-30	Headwaters, perennial portion, north of Linden Street, Douglas to mouth at confluence with Chockalog River, Douglas.	1.6	MILES
Hales Pond	MA51057	Wrentham.	4	ACRES
Hathaway Pond	MA51059	Millbury/Sutton.	8	ACRES
Holden Reservoir 1	MA51063	Holden.	129	ACRES
Holden Reservoir 2	MA51064	Holden.	51	ACRES
Houghton Pond	MA51067	Uxbridge.	2	ACRES
Howe Pond	MA51069	Millbury.	4	ACRES
Hunt Pond	MA51072	Douglas.	2	ACRES
Joels Pond	MA51076	Uxbridge.	11	ACRES
Joes Rock Pond	MA51077	Wrentham.	12	ACRES
Kettle Brook Reservoir No. 1	MA51079	Leicester.	11	ACRES
Kettle Brook Reservoir No. 2	MA51080	Leicester.	29	ACRES
Kettle Brook Reservoir No. 3	MA51081	Paxton/Leicester.	36	ACRES
Kettle Brook Reservoir No. 4	MA51082	Paxton.	114	ACRES
Lake Hiawatha	MA51062	Bellingham/Blackstone.	58	ACRES
Lynde Brook Reservoir	MA51090	Leicester.	130	ACRES
Martin Street Pond	MA51095	Douglas.	3	ACRES
Merrill Pond No. 3	MA51098	Sutton.	13	ACRES
Merrill Pond No. 4	MA51099	Sutton.	20	ACRES
Nipmuck Pond	MA51111	Mendon.	85	ACRES
Number 2 Pond	MA51115	Sutton/Oxford.	9	ACRES
Peabody Pond	MA51119	Uxbridge.	6	ACRES
Pout Pond	MA51121	Uxbridge.	9	ACRES
Pout Pond	MA51122	Boylston.	14	ACRES
Pratts Pond	MA51124	Grafton.	4	ACRES
Ramshorn Pond	MA51126	Sutton/Millbury.	131	ACRES
Reservoir No. 4	MA51128	Sutton.	10	ACRES
Schoolhouse Pond	MA51144	Sutton.	7	ACRES
Sewall Pond	MA51191	Boylston.	13	ACRES
Silver Hill Pond	MA51149	Milford.	6	ACRES

Category 3 waters listed alphabetically by major watershed
"No uses assessed"

WATER BODY	SEGMENT ID	Description	SIZE	UNITS
Slaughterhouse Pond	MA51153	Millbury/Sutton.	10	ACRES
Stoneville Reservoir	MA51161	Auburn.	60	ACRES
Stump Pond	MA51162	Oxford.	20	ACRES
TATNUCK BROOK	MA51-48	Headwaters, south of Brennan Way, Holden to inlet Holden Reservoir 1, Holden.	1.3	MILES
Town Farm Pond	MA51168	Sutton.	6	ACRES
Whitin Reservoir	MA51179	Douglas.	342	ACRES
Windle Pond	MA51184	Grafton/Shrewsbury.	4	ACRES
Boston Harbor: Mystic				
Bellevue Pond	MA71004	Medford.	2	ACRES
POND BROOK	MA71-16	Headwaters, outlet Horn Pond, Woburn to mouth at inlet Wedge Pond, Winchester.	1	MILES
Sales Creek	MA71-12	Headwaters near Route 145, Revere to Bennington Street tidegate/confluence with Belle Isle Inlet, Boston/Revere.	0.01	SQUARE MILES
Spot Pond	MA71039	Stoneham/Medford.	290	ACRES
Boston Harbor: Neponset				
Blue Hills Reservoir	MA73004	Quincy.	7	ACRES
Buckmaster Pond	MA73006	Westwood.	34	ACRES
Flynns Pond	MA73019	Medfield.	7	ACRES
Hammer Shop Pond	MA73023	Sharon.	2	ACRES
Lymans Pond	MA73021	Westwood.	25	ACRES
Sprague Pond	MA73053	Boston/Dedham.	7	ACRES
Unnamed Tributary	MA73-10	Headwaters, outlet Turner Pond, Walpole to confluence with Neponset River, Walpole.	0.4	MILES
Unnamed Tributary	MA73-14	Headwaters, outlet Willet Pond, Walpole/Norwood, to inlet Ellis Pond, Norwood.	0.4	MILES
Boston Harbor: Weymouth & Weir				
Accord Pond	MA74030	Hingham/Norwell/Rockland (formerly reported as MA94002).	103	ACRES
EEL RIVER	MA74-21	Headwaters, east of Route 228, near West Moreland Street, Hingham to mouth at confluence with Plymouth River, Hingham.	1.5	MILES
Old Quincy Reservoir	MA74017	Braintree.	27	ACRES
Trout Brook	MA74-12	Headwaters southwest of South Street, Holbrook to inlet Lake Holbrook, Holbrook.	1.2	MILES
Unnamed Tributary	MA74-19	Unnamed Tributary to Plymouth River, headwaters, west of Route 53 (Whiting Street), Hingham to mouth at confluence with Plymouth River, Hingham.	1.1	MILES
Buzzards Bay				
Abner Pond	MA95001	Plymouth.	9	ACRES
Agawam River	MA95-28	Outlet Mill Pond, Wareham to Wareham WWTP outfall, Wareham.	0.61	MILES
Bates Pond	MA95007	Carver.	19	ACRES
Big Rocky Pond	MA95119	(Rocky Pond) Plymouth.	18	ACRES
Big Sandy Pond	MA95011	Plymouth.	133	ACRES
Blackmore Reservoir	MA95015	Wareham.	43	ACRES
Buttonwood Park Pond	MA95020	New Bedford.	12	ACRES
Cedar Dell Lake	MA95021	Dartmouth.	23	ACRES
Cedar Lake	MA95-96344	Falmouth (formerly reported as segment MA96344).	20	ACRES
Deer Pond	MA95036	Plymouth.	9	ACRES
Dicks Pond	MA95038	Wareham.	42	ACRES
East Head Pond	MA95177	Carver/Plymouth.	92	ACRES
Ezekiel Pond	MA95051	Plymouth.	36	ACRES
Fawn Pond	MA95053	Plymouth.	44	ACRES

Category 3 waters listed alphabetically by major watershed
"No uses assessed"

WATER BODY	SEGMENT ID	Description	SIZE	UNITS
Five Mile Pond	MA95056	Plymouth.	22	ACRES
Flax Pond	MA95-96087	Bourne (formerly reported as segment MA96087).	20	ACRES
Gallows Pond	MA95059	Plymouth.	49	ACRES
Glen Charlie Pond	MA95061	Wareham.	157	ACRES
Horseshoe Pond	MA95075	Wareham.	59	ACRES
Kings Pond	MA95078	Plymouth.	22	ACRES
Little Long Pond	MA95088	Plymouth.	47	ACRES
Little Long Pond	MA95089	Wareham/Plymouth.	12	ACRES
Little Rocky Pond	MA95091	Plymouth.	10	ACRES
Little Sandy Pond	MA95092	Plymouth.	29	ACRES
Little West Pond	MA95093	Plymouth.	25	ACRES
Long Duck Pond	MA95095	Plymouth.	22	ACRES
Long Pond	MA95096	Plymouth.	207	ACRES
Mare Pond	MA95172	Plymouth.	13	ACRES
Micajah Pond	MA95102	Plymouth.	20	ACRES
New Long Pond	MA95112	Plymouth.	21	ACRES
Rocky Meadow Brook Pond	MA95118	Carver.	11	ACRES
Rocky Pond	MA95179	Plymouth.	20	ACRES
Round Pond	MA95123	Plymouth.	20	ACRES
Sand Pond	MA95127	Wareham.	14	ACRES
Sandy Pond	MA95128	Wareham.	15	ACRES
South Meadow Brook Pond	MA95139	Carver.	25	ACRES
South Meadow Pond	MA95140	Carver.	22	ACRES
Southwest Atwood Bog Pond	MA95141	Carver.	12	ACRES
Spectacle Pond	MA95142	Wareham.	41	ACRES
Three Cornered Pond	MA95145	Plymouth.	12	ACRES
Tinkham Pond	MA95148	Mattapoisett/Acushnet.	17	ACRES
Union Pond	MA95152	Wareham.	17	ACRES
Unnamed Tributary	MA95-57	Outlet Cornell Pond, Dartmouth to confluence with Shingle Island River, Dartmouth.	1	MILES
Vaughn Pond	MA95153	Carver.	20	ACRES
WANKINCO RIVER	MA95-85	From the outlet of Tihonet Pond, Wareham to the inlet of Parker Mills Pond, Wareham (formerly part of segment MA95-30).	0.7	MILES
WANKINCO RIVER	MA95-86	Headwaters, outlet East Head Pond, Carver/Plymouth (follows border through cranberry bogs to inlet Tihonet Pond, Carver/Plymouth (formerly part of segment MA95-30).	3.6	MILES
Whites Pond	MA95168	Plymouth.	34	ACRES
Cape Cod				
Clapps Pond	MA96035	Provincetown (area associated with Cape Cod National Seashore designated as ORW).	40	ACRES
Depot Pond	MA96061	Eastham.	26	ACRES
Elbow Pond	MA96077	Brewster.	32	ACRES
Flax Pond	MA96090	Dennis.	15	ACRES
Goose Pond	MA96106	Chatham.	35	ACRES
Gull Pond	MA96123	Wellfleet.	104	ACRES
Herring Pond	MA96133	Eastham.	42	ACRES
Herring Pond	MA96134	Wellfleet.	18	ACRES
Hoxie Pond	MA96146	Sandwich.	8	ACRES

Category 3 waters listed alphabetically by major watershed
"No uses assessed"

WATER BODY	SEGMENT ID	Description	SIZE	UNITS
Kinnacum Pond	MA96163	Wellfleet.	2	ACRES
Lake Elizabeth	MA96080	Barnstable.	6	ACRES
Long Pond	MA96180	Yarmouth.	54	ACRES
Miss Thachers Pond	MA96258	Yarmouth.	6	ACRES
North Pond	MA96225	Barnstable.	4	ACRES
Nye Pond	MA96228	Sandwich.	6	ACRES
Pilgrim Lake	MA96246	Orleans.	38	ACRES
Rushy Marsh Pond	MA96266	Barnstable.	14	ACRES
Scargo Lake	MA96279	Dennis.	54	ACRES
Schoolhouse Pond	MA96281	Chatham.	20	ACRES
Shallow Pond	MA96285	Barnstable.	76	ACRES
Shubael Pond	MA96293	Barnstable.	55	ACRES
Smith Pond	MA96301	Brewster.	11	ACRES
Village Pond	MA96329	Truro.	2	ACRES
Charles				
Brookline Reservoir	MA72010	Brookline.	21	ACRES
Cambridge Reservoir	MA72014	Waltham/Lincoln/Lexington.	531	ACRES
Chestnut Hill Reservoir	MA72023	Boston.	82	ACRES
Farm Pond	MA72039	Sherborn.	125	ACRES
Halls Pond	MA72043	Brookline.	0.6	ACRES
Jennings Pond	MA72053	Natick.	7	ACRES
Little Farm Pond	MA72064	Sherborn.	24	ACRES
Louisa Lake	MA72068	Milford.	8	ACRES
Norumbega Reservoir	MA72086	[North Basin] Weston.	14	ACRES
Norumbega Reservoir	MA72087	[South Basin] Weston.	38	ACRES
Sandy Pond	MA72105	Lincoln.	157	ACRES
South End Pond	MA72109	Millis.	30	ACRES
Stony Brook	MA72-37	Headwaters, outlet Turtle Pond, Boston to culvert entrance, Boston (two culverted portions totaling approximately 740 feet (0.14mile)).	1.6	MILES
Stony Brook Reservoir	MA72114	Waltham/Weston.	64	ACRES
Todd Pond	MA72117	Lincoln.	9	ACRES
Walker Pond	MA72126	Millis.	9	ACRES
Waseeka Sanctuary Pond	MA72155	Holliston.	17	ACRES
Weston Reservoir	MA72134	Weston.	59	ACRES
Weston Station Pond	MA72135	Weston.	38	ACRES
Chicopee				
Adams Pond	MA36001	Oakham.	30	ACRES
Bemis Road Pond	MA36012	Hubbardston.	16	ACRES
Bennett Street Pond	MA36014	Palmer.	6	ACRES
Bickford Pond	MA36015	Hubbardston/Princeton.	163	ACRES
Brigham Pond	MA36020	Hubbardston.	45	ACRES
Brooks Pond	MA36022	Petersham.	87	ACRES
Canesto Brook	MA36-36	Headwaters, perennial portion, northwest of Hubbardston State Forest near Hubbardston/Templeton town line to mouth at confluence with Ware River, Barre.	7.3	MILES
Carter Pond	MA36029	Petersham.	44	ACRES

Category 3 waters listed alphabetically by major watershed
"No uses assessed"

WATER BODY	SEGMENT ID	Description	SIZE	UNITS
Cloverdale Street Pond	MA36036	Rutland.	19	ACRES
Comins Pond	MA36037	Warren.	26	ACRES
Conant Brook Reservoir	MA36038	Monson.	4	ACRES
Cranberry Meadow Pond	MA36040	Spencer/Charlton.	69	ACRES
Crystal Lake	MA36043	Palmer.	16	ACRES
Cunningham Pond	MA36044	Hubbardston.	27	ACRES
Cusky Pond	MA36045	New Braintree.	28	ACRES
Demond Pond	MA36051	Rutland.	120	ACRES
Dimmock Pond	MA36053	Springfield.	9	ACRES
EAST BRANCH FEVER BROOK	MA36-47	Headwaters, outlet Brooks Pond, Petersham to mouth at inlet Quabbin Reservoir, Petersham.	5.2	MILES
Edson Pond	MA36180	Rutland.	36	ACRES
Fivemile Pond	MA36061	Springfield.	36	ACRES
Fivemile Pond South	MA36182	Springfield.	4	ACRES
Gaston Pond	MA36065	Barre.	15	ACRES
Haviland Pond	MA36069	Ludlow.	25	ACRES
Hop Brook	MA36-32	Headwaters, perennial portion, upstream of West Street, New Salem to mouth at inlet Quabbin Reservoir, New Salem.	3.7	MILES
Horse Pond	MA36072	North Brookfield.	63	ACRES
Knights Pond	MA36077	Belchertown.	36	ACRES
Lovewell Pond	MA36085	Hubbardston.	82	ACRES
Mare Meadow Reservoir	MA36090	Westminster/Hubbardston.	240	ACRES
Mare Meadow Reservoir North	MA36178	Westminster.	38	ACRES
Middle Branch Swift River	MA36-33	Headwaters just north of portions of Wendell and New Salem State Forests (south of the Swift River School), Wendell to mouth at inlet Quabbin Reservoir, New Salem.	6.9	MILES
Moose Hill Reservoir	MA36179	Spencer/Leicester.	52	ACRES
Moulton Pond	MA36098	Rutland.	65	ACRES
Muddy Pond	MA36102	Oakham/Rutland.	23	ACRES
Murphy Pond	MA36103	Ludlow.	6	ACRES
Palmer Reservoir	MA36115	Palmer.	8	ACRES
Paradise Lake	MA36116	Monson.	17	ACRES
Pattaquattic Pond	MA36117	Palmer.	18	ACRES
Peppers Mill Pond	MA36121	Ware.	11	ACRES
Perry Hill Pond	MA36122	Hubbardston.	23	ACRES
Queen Lake	MA36132	Phillipston.	139	ACRES
Shaw Pond	MA36138	Leicester.	64	ACRES
Springfield Reservoir	MA36145	Ludlow.	393	ACRES
Stone Bridge Pond	MA36148	Templeton.	32	ACRES
Thayer Pond	MA36181	Rutland.	46	ACRES
Thompson Lake	MA36154	Palmer.	34	ACRES
Thompsons Pond	MA36155	Spencer.	116	ACRES
Town Barn Beaver Pond	MA36156	Petersham.	20	ACRES
Waite Pond	MA36161	Hubbardston.	35	ACRES

Category 3 waters listed alphabetically by major watershed
"No uses assessed"

WATER BODY	SEGMENT ID	Description	SIZE	UNITS
West Branch Fever Brook	MA36-34	Headwaters, perennial portion, just north (upstream) of Route 122, Petersham to mouth at inlet Quabbin Reservoir, Petersham.	3.4	MILES
West Branch Ware River	MA36-02	Headwaters, outlet Brigham Pond, Hubbardston to mouth at confluence with East Branch Ware River (forming headwaters of Ware River), Barre.	4.5	MILES
Concord (SuAsCo)				
Assabet Brook	MA82B-17	Headwaters, outlet Fletchers Pond, Stow to mouth at confluence with the Assabet River, Stow.	2	MILES
Cedar Swamp Pond	MA82016	Westborough.	17	ACRES
Clamshell Pond	MA82018	Clinton.	24	ACRES
Denny Brook	MA82A-27	Headwaters, perennial portion, outlet unnamed pond west of South Street, Westborough to mouth at confluence with Jackstraw Brook, Westborough.	0.6	MILES
Elm Street Pond	MA82032	Chelmsford/Carlisle.	65	ACRES
Farrar Pond	MA82036	Lincoln.	83	ACRES
Fiske Street Pond	MA82037	Carlisle/Chelmsford.	38	ACRES
Fort Pond	MA82043	Littleton.	102	ACRES
Fort Pond Brook	MA82B-13	From source in a wetland just west of Fort Pond, Littleton to mouth at inlet Warners Pond, Concord.	10.2	MILES
Gates Pond	MA82047	Berlin.	73	ACRES
Gates Pond Brook	MA82B-10	Headwaters, outlet Gates Pond, Berlin to mouth at confluence with the Assabet River, Berlin.	1	MILES
Gleasons Pond	MA82048	Framingham.	11	ACRES
Indian Brook	MA82A-23	Headwaters, outlet Icehouse Pond, Hopkinton to the inlet of Hopkinton Reservoir, Hopkinton (formerly part of segment MA82A-12).	2.3	MILES
Jackstraw Brook	MA82A-28	From the most downstream crossing of Upton Road (first crossing south of Hopkinton Road), Westborough to mouth at inlet of Cedar Swamp Pond, Westborough.	1.5	MILES
JACKSTRAW BROOK	MA82A-32	Headwaters, perennial portion west of Upton Road, Westborough to the most downstream crossing of Upton Road (first crossing south of Hopkinton Road), Westborough.	0.4	MILES
Learned Pond	MA82069	Framingham.	34	ACRES
Milham Reservoir	MA82077	Marlborough.	67	ACRES
Nagog Pond	MA82082	Littleton/Acton.	278	ACRES
Piccadilly Brook	MA82A-30	Headwaters, outlet Westboro Reservoir, Westborough to mouth at inlet to Cedar Swamp Pond, Westborough.	2	MILES
Rutters Brook	MA82A-29	From headwaters near Robin Road, Westborough to mouth at confluence with Jackstraw Brook, Westborough.	2	MILES
Second Division Brook	MA82B-09	Headwaters, outlet small unnamed pond north of Waltham Street, Maynard to mouth at confluence with the Assabet River, Concord.	2.9	MILES
Smith Pond	MA82099	Northborough.	16	ACRES
Solomon Pond	MA82100	Northborough.	21	ACRES
Spencer Brook	MA82B-15	From the outlet of an unnamed pond north of Bellows Hill, Carlisle to mouth at inlet Angiers Pond, Concord.	3.8	MILES
Taylor Brook	MA82B-08	Headwaters, outlet Puffer Pond, Maynard to mouth at confluence with the Assabet River, Maynard.	1.8	MILES
Tripp Pond	MA82107	Hudson.	4	ACRES
Unnamed Tributary	MA82B-23	Unnamed tributary to the Assabet River; headwaters, outlet small pond south of Athens Street, Stow to mouth at confluence with Assabet River (backwater area), Stow.	1.1	MILES
West Pond	MA82115	Bolton.	19	ACRES
Westborough Reservoir	MA82114	Westborough.	41	ACRES
White Pond	MA82118	Concord.	36	ACRES

Category 3 waters listed alphabetically by major watershed
"No uses assessed"

WATER BODY	SEGMENT ID	Description	SIZE	UNITS
White Pond	MA82119	Hudson/Stow.	49	ACRES
Whitehall Brook	MA82A-11	Headwaters, outlet Whitehall Reservoir, Hopkinton to mouth at confluence with the Sudbury River, Westborough.	3.5	MILES
Williams Lake	MA82121	Marlborough.	69	ACRES
Connecticut				
Atkins Reservoir	MA34006	Shutesbury/Amherst.	46	ACRES
Brickyard Brook	MA34-13	Headwaters, perennial portion, Westfield to mouth at confluence with Manhan River, Westfield.	1.6	MILES
BUFFUM BROOK	MA34-49	Headwaters, west of West Pelham Road, Shutesbury to mouth at confluence with Harris Brook, (forming headwaters Amethyst Brook), Pelham.	3.1	MILES
Cooley Brook	MA34-20	Headwaters, Longmeadow to mouth at confluence with Connecticut River, Longmeadow.	1.4	MILES
Danks Pond	MA34019	Northampton/Easthampton.	3	ACRES
DEAN BROOK	MA34-50	Headwaters, east of West Pelham Road (at mouth of Baker Brook), Shutesbury to mouth at confluence with Adams Brook (in small "diversion pool" for Atkins Reservoir), Shutesbury.	2.4	MILES
Factory Hollow Pond	MA34021	Amherst.	12	ACRES
Green Pond	MA34028	Montague.	15	ACRES
HARRIS BROOK	MA34-48	Headwaters, northeast of Enfield Road, Pelham to Intake Reservoir Dam (NATID: MA01270) outlet, Pelham (excluding approximately 0.2 miles through Hawley Reservoir, Pelham).	1.2	MILES
JOE WRIGHT BROOK	MA34-52	Headwaters south of Hemenway Trail, Williamsburg to mouth at confluence with Mill River, Williamsburg.	3.3	MILES
Lake Pleasant	MA34070	Montague.	54	ACRES
Loon Pond	MA34045	Springfield.	26	ACRES
Lower Highland Lake	MA34047	Goshen.	91	ACRES
Manhan River	MA34-10	Headwaters, northeast of Norwich Pond, Huntington to inlet Tighe Carmody Reservoir, Southampton (thru White Reservoir formely segment MA34100).	6.6	MILES
MILL BROOK	MA34-55	Headwaters, outlet Stevens Swamp, Warwick to mouth at confluence with Connecticut River, Northfield.	7.7	MILES
Mill River Diversion	MA34-32	Headwaters, outlet Paradise Pond, Northampton to mouth at confluence with Oxbow (east of Old Springfield Road), Northampton (thru Hulberts Pond formely segment MA34036).	2.5	MILES
Mountain Street Reservoir	MA34056	Williamsburg/Hatfield/Whately.	67	ACRES
Nine Mile Pond	MA34127	Wilbraham (PALIS/Segment changed from 36107 to 34127, TRD 6/21/02).	33	ACRES
Northampton Reservoir	MA34059	Whately.	80	ACRES
Northfield Mountain Reservoir	MA34061	Erving.	237	ACRES
NURSE BROOK	MA34-59	Headwaters, west of Pratt Corner Road, Shutesbury to mouth at confluence with Adams Brook (in small "diversion pool" for Atkins Reservoir), Shutesbury.	1.2	MILES
Pine Island Lake	MA34069	Westhampton.	55	ACRES
Plympton Brook Pond	MA34071	Wendell.	5	ACRES
Potash Brook	MA34-12	Headwaters, perennial portion, Southampton to confluence with Manhan River, Southampton.	1	MILES
Raspberry Brook	MA34-22	From Massachusetts/Connecticut border to mouth at confluence with Connecticut River, Longmeadow.	1.8	MILES
RICE BROOK	MA34-47	Headwaters, perennial portion, south of Burt Road, Westhampton to mouth at confluence with Sodom Brook, Westhampton.	1.1	MILES
Roberts Meadow Reservoir	MA34076	Northampton.	22	ACRES
ROGERS BROOK	MA34-51	Headwaters east of Oak Hill Road near the Goshen/Ashfield border to mouth at confluence with West Branch Mill River, Goshen.	2.6	MILES
SACKET BROOK	MA34-45	Headwaters, perennial portion, north of Southampton Road, Montgomery to mouth at confluence with Manhan River, Southampton.	2.1	MILES

Category 3 waters listed alphabetically by major watershed
"No uses assessed"

WATER BODY	SEGMENT ID	Description	SIZE	UNITS
Sawmill River	MA34-40	Headwaters, outlet Lake Wyola, Shutesbury to Dudleyville Road, Leverett (formerly part of MA34-26).	2	MILES
Sawyer Ponds	MA34078	[North Basin] Northfield.	9	ACRES
Sawyer Ponds	MA34079	[South Basin] Northfield.	12	ACRES
SCARBORO BROOK	MA34-46	Headwaters, outlet Scarboro Pond, Belchertown to mouth at confluence with Hop Brook, Belchertown.	2.3	MILES
SCHNEELOCK BROOK	MA34-44	Headwaters, west of Newhouse Street, Springfield to mouth at confluence with South Branch Mill River, Springfield.	1.3	MILES
SCHOOLHOUSE BROOK	MA34-43	Headwaters, southeast of Connor Reservoir, Holyoke to mouth at confluence with Goldine Brook, West Springfield.	3.1	MILES
SHATTUCK BROOK	MA34-57	Headwaters, confluence Keets and Beaver Meadow brooks, Leyden to mouth at confluence with Fall River, Bernardston.	2.4	MILES
Silver Lake	MA34084	Agawam.	9	ACRES
SODOM BROOK	MA34-53	Headwaters, outlet small unnamed pond north of Crowley Road, Westampton to mouth at confluence with North Branch Manhan River, Westampton.	3.1	MILES
Tighe Carmody Reservoir	MA34089	Southampton.	353	ACRES
Unnamed Tributary	MA34-31	Headwater, outlet Lake Warner, Hadley to mouth at confluence with Connecticut River, Hadley.	0.5	MILES
WEST BROOK	MA34-58	Headwaters, outlet Northampton Reservoir (Old Northampton Reservoir), Whately to mouth at confluence with Mill River, Hatfield.	4	MILES
White Brook	MA34-14	Headwaters, perennial portion, Easthampton to mouth at inlet Nashawannuck Pond, Easthampton.	1.8	MILES
Deerfield				
Bog Pond	MA33003	Savoy.	35	ACRES
Burnett Pond	MA33005	Savoy.	18	ACRES
Fox Brook Upper Reservoir	MA33006	Colrain.	3	ACRES
Goodnow Road Pond	MA33007	Buckland.	11	ACRES
Hallockville Pond	MA33009	Plainfield/Hawley.	18	ACRES
Highland Pond	MA33032	Greenfield.	2	ACRES
KINSMAN BROOK	MA33-124	Headwaters north of Colrain Stage Road, Heath to confluence with Davenport Brook forming headwaters Taylor Brook, Heath.	1.8	MILES
Maynard Pond	MA33011	Greenfield.	3	ACRES
McLeod Pond	MA33012	Colrain.	41	ACRES
Mt. Brook Reservoir	MA33024	Colrain.	1	ACRES
Newell Pond	MA33013	Greenfield.	0.9	ACRES
NORTH BROOK	MA33-126	Perennial portion north of Harwood Road, Hawley to confluence with Chickley River, Hawley.	1.2	MILES
Papoose Lake	MA33023	Heath.	14	ACRES
Phelps Brook Reservoir	MA33030	Monroe.	0.05	ACRES
RICE BROOK	MA33-125	Perennial portion east of Legate Hill Road, Charlemont to confluence with Deerfield River, Charlemont.	3.1	MILES
Tannery Pond	MA33020	Savoy.	0.5	ACRES
TODD BROOK	MA33-127	Headwaters east of Coon Hill, Charlemont to confluence with Deerfield River, Charlemont.	1.2	MILES
Unnamed Tributary	MA33-128	Unnamed tributary to Deerfield River known as 'Bear Swamp Outflow', from headwaters north of Tunnel Road, Rowe to confluence with Deerfield River, Rowe.	1.3	MILES
Upper Greenfield Reservoir	MA33021	Leyden.	6	ACRES
Upper Highland Springs Reservoir	MA33025	Ashfield.	2	ACRES

Category 3 waters listed alphabetically by major watershed
"No uses assessed"

WATER BODY	SEGMENT ID	Description	SIZE	UNITS
Upper Reservoir Bear Swamp	MA33026	Rowe.	108	ACRES
Farmington				
BRADLEY BROOK	MA31-37	Headwaters, perennial portion, west of Ridgeview Terrace, Southwick to MA/CT border, Southwick.	1.4	MILES
BUCK RIVER	MA31-38	Headwaters draining wetland just south of Morley Hillard Crank Road, Sandisfield to inlet Abbey Lake, Sandisfield (formerly part of segment MA31-12).	1.7	MILES
CHERRY BROOK	MA31-18	Headwaters, perennial portion, north of York Lake Road, Sandisfield to mouth at confluence with Sandy Brook, Sandisfield.	2.4	MILES
Cranberry Pond	MA31008	Tolland.	75	ACRES
Creek Pond	MA31009	(Watson Pond) Otis.	52	ACRES
Dimmock Brook Pond	MA31010	Otis.	15	ACRES
ELLIS BROOK	MA31-35	Headwaters, outlet Shaughnessy Swamp, north of Route 57, Granville to mouth at confluence with Valley Brook, Granville.	0.8	MILES
HALL POND BROOK	MA31-34	Headwaters, outlet Hall Pond, Tolland to mouth at confluence with Babcock Brook (forming headwaters Hubbard Brook), Tolland.	2.3	MILES
Hayden Pond	MA31016	Otis.	28	ACRES
Long Bow Lake	MA31019	Becket.	26	ACRES
Lower Spectacle Pond	MA31020	Sandisfield.	70	ACRES
NORTH BRANCH SILVER BROOK	MA31-25	Headwaters, outlet Atwater Pond, Sandisfield to mouth at confluence with South Branch Silver Brook (forming headwaters Silver Brook), Sandisfield.	3.2	MILES
POTASH BROOK	MA31-36	Headwaters, outlet wetland east of North Lane, Granville to mouth at confluence with Valley Brook, Granville.	1.3	MILES
Royal Pond	MA31034	Otis/Monterey.	7	ACRES
Silver Shield Pond	MA31054	Becket.	10	ACRES
Unnamed Tributary	MA31-05	Unnamed tributary to Shaw Pond, source in wetlands southwest of Route 90 and east of Route 20, Becket to mouth at inlet Shaw Pond, Becket (excluding "gravel pit" pond).	1.3	MILES
Ward Pond	MA31047	Becket.	27	ACRES
West Lake	MA31050	Sandisfield.	60	ACRES
White Lily Pond	MA31051	Otis.	62	ACRES
French				
Bartons Brook	MA42-08	Headwaters, outlet Stiles Reservoir, Leicester to mouth at inlet Greenville Pond West, Leicester.	1.1	MILES
Burncoat Pond	MA42007	Leicester/Spencer.	115	ACRES
Easterbrook Pond	MA42017	Dudley.	5	ACRES
Greenville Pond West	MA42022	Leicester.	6	ACRES
Hayden Pond	MA42024	Dudley.	44	ACRES
Henshaw Pond	MA42025	Leicester.	37	ACRES
Hultered Pond	MA42072	Charlton.	4	ACRES
Little Nugget Lake	MA42032	Charlton.	13	ACRES
Little River	MA42-14	Outlet Buffum Pond, Oxford to mouth at confluence with French River, Oxford (formerly part of segment MA42-09).	1.3	MILES
Merino Pond	MA42036	Dudley.	75	ACRES
Mine Brook	MA42-16	Headwaters (perennial portion), Webster to mouth at inlet Club Pond, Webster.	1.4	MILES
New Pond	MA42037	Dudley.	33	ACRES
Nipmuck Pond	MA42039	Webster.	20	ACRES
Peter Pond	MA42042	Dudley.	42	ACRES

Category 3 waters listed alphabetically by major watershed
"No uses assessed"

WATER BODY	SEGMENT ID	Description	SIZE	UNITS
Putnam Pond	MA42046	Charlton.	20	ACRES
Robinson Pond	MA42047	Oxford.	99	ACRES
Slaters Pond	MA42053	Oxford.	105	ACRES
Snow Pond	MA42054	Charlton.	1	ACRES
Stiles Reservoir	MA42055	Spencer/Leicester.	309	ACRES
Town Meadow Brook	MA42-02	Headwaters, outlet Dutton Pond, Leicester to mouth at inlet Greenville Pond, Leicester.	1.9	MILES
Unnamed Tributary	MA42-12	Unnamed tributary to Wellington Brook, perennial portion from Depot Road, Oxford to confluence with Wellington Brook, Oxford.	0.2	MILES
Unnamed Tributary	MA42-19	Unnamed tributary to the French River on the 1982 USGS quad as 'Lowes Brook' , from the outlet of Lowes Pond, Oxford to mouth at confluence with French River, Oxford.	1.3	MILES
Unnamed Tributary	MA42-20	Unnamed tributary to South Fork locally known as 'Potters Brook', from outlet of Old Mill Pond Dam ((NAT ID: MA01833), Charlton to mouth at confluence with South Fork, Charlton.	0.9	MILES
Watson Millpond	MA42063	Spencer.	2	ACRES
Wee Laddie Pond	MA42065	Charlton.	6	ACRES
Housatonic				
Anthony Brook	MA21-10	Headwaters, outlet Anthony Pond, Dalton to mouth at confluence with Wahconah Falls Brook, Dalton.	2.6	MILES
Ashley Lake	MA21003	Washington.	94	ACRES
Card Pond	MA21015	West Stockbridge.	11	ACRES
CHURCHILL BROOK	MA21-34	Headwaters, perennial portion in the Pittsfield State Forest, Hancock (north of Honwee Mountain, Lanesborough) to mouth at inlet Onota Lake, Pittsfield.	2.8	MILES
Cleveland Brook Reservoir	MA21019	Hinsdale.	155	ACRES
Cookson Pond	MA21021	New Marlborough.	67	ACRES
Crane Lake	MA21025	West Stockbridge.	27	ACRES
East Indies Pond	MA21029	New Marlborough.	72	ACRES
Farnham Reservoir	MA21033	Washington.	41	ACRES
FENTON BROOK	MA21-35	Headwaters south of Jug End Road, Egremont (west of Mt. Bushnell, Sheffield), to mouth at confluence with Karner Brook, Egremont.	2.4	MILES
Hayes Pond	MA21051	Otis.	46	ACRES
Mill Pond	MA21069	Egremont.	10	ACRES
Seekonk Brook	MA21-22	Headwaters, outlet of small impoundment east of West Road, Alford to mouth at confluence with the Green River, Great Barrington.	4.8	MILES
TYLER BROOK	MA21-32	Headwaters, northwest of Driscoll Road, Windsor to mouth at confluence with Windsor Brook, Windsor.	2.6	MILES
Unnamed Tributary	MA21-24	Headwaters, outlet Mill Pond, Egremont to mouth at confluence with Hubbard Brook, Egremont.	1.5	MILES
Upper Sackett Reservoir	MA21113	Hinsdale.	19	ACRES
WELCH BROOK	MA21-33	Headwaters, northeast of Tully Mountain, Hinsdale to mouth at confluence with unnamed tributary to Plunkett Reservoir, Hinsdale.	1.7	MILES
Windsor Reservoir	MA21119	Hinsdale/Windsor.	74	ACRES
Hudson: Hoosic				
Hemlock Brook	MA11-09	Headwaters, perennial portion, south of Route 2 in the Taconic Trail State Park, Williamstown to mouth at confluence with the Hoosic River, Wiliamstown.	7.1	MILES
McDonald Brook	MA11-16	Source, southeast of Woodchuck Hill, Windsor to mouth at confluence with South Brook, Cheshire.	3	MILES
Mt. Williams Reservoir	MA11010	North Adams.	46	ACRES
Notch Reservoir	MA11011	North Adams.	12	ACRES

Category 3 waters listed alphabetically by major watershed
"No uses assessed"

WATER BODY	SEGMENT ID	Description	SIZE	UNITS
TUNNEL BROOK	MA11-26	Headwaters, outlet small unnamed pond east of West Shaft Road, North Adams to mouth at confluence with Phillips Creek, North Adams.	1.7	MILES
Windsor Lake	MA11016	North Adams.	24	ACRES
Ipswich				
Beaver Pond	MA92002	Beverly.	19	ACRES
Black Brook	MA92-19	Outlet Cutler Pond, Hamilton to confluence with Ipswich River, Hamilton.	3.6	MILES
Bradford Pond	MA92005	North Reading.	14	ACRES
Creighton Pond	MA92011	Middleton.	19	ACRES
Eisenhaures Pond	MA92016	North Reading.	12	ACRES
Elginwood Pond	MA92017	Peabody.	9	ACRES
Emerson Brook Reservoir (Forest Street Pond)	MA92021	Middleton/North Reading.	196	ACRES
Farnum Street Pond	MA92018	North Andover.	9	ACRES
Fourmile Pond	MA92022	Boxford.	29	ACRES
Idlewild Brook	MA92-24	Outlet of Pleasant Pond, Hamilton to confluence with Ipswich River, Hamilton.	1.1	MILES
Kimballs Pond	MA92027	Boxford.	8	ACRES
Long Causeway Brook	MA92-20	Headwaters (excluding intermittent portion) near Boston & Maine Railroad, south of Pigeon Hill, Hamilton to confluence with Miles River, Hamilton/Ipswich.	1	MILES
Longham Reservoir	MA92030	Wenham/Beverly.	34	ACRES
Middleton Pond	MA92039	Middleton.	129	ACRES
Mile Brook	MA92-16	Headwaters, east of North Street, Topsfield to confluence with Ipswich River, Topsfield (includes Mile Brook Pond).	2.5	MILES
Nichols Brook	MA92-25	Headwaters (near Rowley Hill Street and Route 95 and Newburyport Turnpike) in Danvers, to confluence with the Ipswich River, Middleton (Middleton/Boxford town line).	2.4	MILES
Pierces Pond	MA92048	Peabody.	3	ACRES
Putnamville Reservoir	MA92052	Danvers.	283	ACRES
Salem Street Pond	MA92076	North Andover.	11	ACRES
Spofford Pond	MA92060	Boxford.	28	ACRES
Stiles Pond	MA92063	Boxford.	59	ACRES
Sudden Pond	MA92064	North Andover.	5	ACRES
Suntaug Lake	MA92065	Lynnfield/Peabody.	151	ACRES
Swan Pond	MA92066	North Reading.	42	ACRES
Towne Pond	MA92068	Boxford/North Andover.	23	ACRES
Winona Pond	MA92077	Peabody.	92	ACRES
Islands				
Great Point Pond	MA97-04	On Great Point, Nantucket.	0.01	SQUARE MILES
Oyster Pond	MA97-13	Including Ripley Cove, Edgartown, Martha's Vineyard.	0.29	SQUARE MILES
ROARING BROOK	MA97-37	Headwaters, south of Tabor House Road, Chilmark to mouth at inlet Vineyard Sound, Chilmark.	1.5	MILES
TIASQUAM RIVER	MA97-35	From Warren Pond Dam to mouth at inlet of Town Cove of Tisbury Great Pond, Chilmark/West Tisbury, Martha's Vineyard.	0.01	SQUARE MILES
Merrimack				
Bailey Pond	MA84003	Amesbury.	13	ACRES
Beaver Brook	MA84B-05	Headwaters, outlet of "Wolf Swamp", Boxborough to inlet of Mill Pond, Littleton.	5.5	MILES

Category 3 waters listed alphabetically by major watershed
"No uses assessed"

WATER BODY	SEGMENT ID	Description	SIZE	UNITS
Joint Grass Brook	MA84A-32	Headwaters, between Hollis Street and Hauk Swamp, Dunstable to the confluence with Salmon Brook, Dunstable.	3.2	MILES
Mill Pond	MA84039	West Newbury.	18	ACRES
Salmon Brook	MA84A-33	Headwaters, outlet Lower Massapoag Pond, Dunstable to New Hampshire state line, Dunstable.	2.9	MILES
Uptons Pond	MA84075	Tyngsborough.	6	ACRES
Millers				
Bassett Pond	MA35002	New Salem.	26	ACRES
Beaver Flowage Pond	MA35005	(Beaver Pond) Royalston.	38	ACRES
Bents Pond	MA35006	Hubbardston.	28	ACRES
Bowens Pond	MA35009	Wendell.	17	ACRES
Cowee Pond	MA35013	Gardner.	18	ACRES
Crystal Lake	MA35014	Gardner.	142	ACRES
Davenport Pond	MA35015	Petersham/Athol.	30	ACRES
East Templeton Pond	MA35022	Templeton.	9	ACRES
Greenwood Pond	MA35025	Westminster.	27	ACRES
Hastings Pond	MA35028	Warwick.	18	ACRES
Kendall Pond	MA35034	Gardner.	22	ACRES
Lake Mattawa	MA35112	(PALIS ID Changed on 10/6/97 from 36092 to 35112 - Concurently changed WBID to reflect this change - See PALIS for details) Orange.	112	ACRES
Lake Watatic	MA35095	Ashburnham.	133	ACRES
Little Pond	MA35037	Royalston.	10	ACRES
Lower Naukeag Lake	MA35041	Ashburnham.	295	ACRES
Minott Pond	MA35046	Westminster.	8	ACRES
Minott Pond South	MA35045	Westminster.	27	ACRES
North Spectacle Pond	MA35052	New Salem.	43	ACRES
Packard Pond	MA35053	Orange.	43	ACRES
Partridgeville Pond	MA35057	Templeton.	38	ACRES
Perley Brook Reservoir	MA35059	Gardner.	55	ACRES
Phillipston Reservoir	MA35060	Philipston/Athol.	20	ACRES
Ramsdall Pond	MA35062	Gardner.	16	ACRES
Reservoir No. 2	MA35064	Phillipston/Athol (Secret Lake).	48	ACRES
Riceville Pond	MA35065	Athol/Petersham.	61	ACRES
Richards Reservoir	MA35067	Warwick.	21	ACRES
Royalston Road Pond	MA35071	Orange.	5	ACRES
Sheomet Lake	MA35074	Warwick.	30	ACRES
South Spectacle Pond	MA35081	New Salem.	38	ACRES
Sportsmans Pond	MA35082	Athol.	93	ACRES
Sunset Lake	MA35086	Ashburnham/Winchendon.	274	ACRES
Tully Pond	MA35089	Orange.	70	ACRES
Wallace Pond	MA35092	Ashburnham.	46	ACRES
Ward Pond	MA35093	Athol.	6	ACRES
Wheelers Pond	MA35097	Warwick.	28	ACRES
Wickett Pond	MA35102	Wendell.	30	ACRES
Wrights Reservoir	MA35104	Gardner/Westminster.	131	ACRES

Category 3 waters listed alphabetically by major watershed
"No uses assessed"

WATER BODY	SEGMENT ID	Description	SIZE	UNITS
Mount Hope Bay (Shore)				
Cook Pond	MA61001	Fall River, MA/Tiverton, RI.	157	ACRES
South Watuppa Pond	MA61006	Fall River/Westport.	1473	ACRES
Narragansett Bay (Shore)				
Beaverdam Brook	MA53-10	Headwaters, southeast of Chestnut Street, Rehoboth to confluence with Palmer River, Rehoboth.	2.9	MILES
Rumney Marsh Brook	MA53-09	Headwaters, east of Locust Avenue, Rehoboth to confluence with Beaverdam Brook, Rehoboth.	1.3	MILES
Nashua				
Ashby Reservoir	MA81001	Ashby.	36	ACRES
Asnebumskit Pond	MA81002	Paxton.	44	ACRES
Ball Brook	MA81-45	Headwaters, north of Sterling Road, Holden to mouth at confluence with Stillwater River, Sterling.	1.6	MILES
Barrett Pond	MA81162	Leominster.	7	ACRES
Bartlett Pond	MA81009	Leominster.	23	ACRES
BAYBERRY HILL BROOK	MA81-68	Headwaters, outlet small unnamed pond north of Bailey Road, Townsend to mouth at confluence with Squannacook River, Townsend.	2.1	MILES
Bixby Reservoir	MA81010	Townsend.	21	ACRES
Chaffins Brook	MA81-33	Headwaters, perennial portion, south of Malden Street/west of Wachusett Street, Holden to mouth at inlet of Unionville Pond, Holden.	0.9	MILES
Coachlace Pond	MA81019	Clinton.	31	ACRES
COLD SPRING BROOK	MA81-82	Headwaters, west of Old Mill Road (on the western side of railroad tracks), Harvard to mouth at confluence with Bowers Brook, Harvard.	1.2	MILES
Connelly Brook	MA81-57	Headwaters, southwest of Rowley Hill Road, Sterling to mouth at inlet The Quag, Sterling.	2.9	MILES
Coon Tree Pond	MA81168	Pepperell.	29	ACRES
Crocker Pond	MA81025	Westminster.	101	ACRES
East Wachusett Brook	MA81-30	Headwaters northeast of Little Wachusett Mountain, Princeton to mouth at confluence with Stillwater River, Sterling.	4.6	MILES
East Waushacum Pond	MA81035	Sterling.	181	ACRES
Fall Brook Reservoir	MA81038	Leominster.	88	ACRES
Fitchburg Reservoir	MA81043	Ashby.	150	ACRES
GOODRIDGE BROOK	MA81-66	Headwaters, outlet impoundment at Old Ice Pond Dam (NATID: MA01560), Lancaster to mouth at confluence with Nashua River ("South Branch Nashua River"), Lancaster.	1.8	MILES
Haynes Reservoir	MA81055	Leominster.	56	ACRES
Heald Pond	MA81056	Pepperell.	28	ACRES
Houghton Brook	MA81-55	Headwaters, south of Merrill Road, Sterling to mouth at confluence with Stillwater River, Sterling.	1.5	MILES
Hy-Crest Pond	MA81060	Sterling.	104	ACRES
Justice Brook	MA81-41	Headwaters, outlet Stuart Pond, Sterling to mouth at confluence with Keyes Brook forming headwaters Stillwater River, Princeton/Sterling.	1	MILES
Kendall Reservoir	MA81062	Holden.	179	ACRES
Keyes Brook	MA81-40	Headwaters, outlet Paradise Pond, Princeton to mouth at confluence with Justice Brook forming headwaters Stillwater River, Princeton/Sterling.	3.2	MILES
Lancaster Millpond	MA81065	Clinton.	21	ACRES
Lincoln Pond	MA81070	Ashburnham.	31	ACRES
Long Pond	MA81073	Ayer/Groton.	46	ACRES
Lovell Reservoir	MA81074	Fitchburg.	35	ACRES

Category 3 waters listed alphabetically by major watershed
"No uses assessed"

WATER BODY	SEGMENT ID	Description	SIZE	UNITS
Lower Crow Hill Pond	MA81026	Princeton/Westminster.	14	ACRES
Maple Spring Pond	MA81077	Holden.	38	ACRES
Massapoag Pond	MA81080	Lunenburg.	64	ACRES
Meetinghouse Pond	MA81083	Westminster.	151	ACRES
Mirror Lake	MA81084	Fitchburg.	6	ACRES
Morse Reservoir	MA81086	Leominster.	15	ACRES
Muschopauge Pond	MA81089	Rutland.	61	ACRES
Notown Reservoir	MA81092	Leominster.	241	ACRES
Pine Hill Reservoir	MA81102	Paxton/Holden/Rutland.	336	ACRES
Poor Farm Brook	MA81-52	Headwaters, perennial portion, east of Salisbury Street, Holden to mouth at inlet Chaffin Pond, Holden.	1.2	MILES
Quinapoxet Reservoir	MA81108	Holden/Princeton.	266	ACRES
REEDY MEADOW BROOK	MA81-64	Headwaters, Reedy Meadow, Groton to mouth at confluence with Nashua River, Pepperell.	2.3	MILES
Rocky Brook	MA81-42	Headwaters, outlet Hy-Crest Pond, Sterling to mouth at confluence with Stillwater River, Sterling.	3	MILES
Round Meadow Pond	MA81114	Westminster.	54	ACRES
Sandy Pond	MA81117	Ayer.	69	ACRES
Scanlon Brook	MA81-44	Headwaters, west of Birch Drive, Sterling to mouth at confluence with Stillwater River, Sterling.	1.5	MILES
Scarletts Brook	MA81-25	Headwaters west of West Boylston Street (Route 12), West Boylston to mouth at confluence with Gates Brook, West Boylston (stream entirely intermittent; per SARIS and the 1983 Worcester North USGS topographic quadrangle).	0.5	MILES
Scott Reservoir	MA81119	Fitchburg.	33	ACRES
Snows Millpond	MA81127	Fitchburg/Westminster.	38	ACRES
SOUTH MEADOW BROOK	MA81-67	Headwaters, outlet Fitch Pond, Sterling to mouth at inlet South Meadow Pond, Clinton.	1.8	MILES
South Meadow Pond	MA81129	[East Basin] Clinton.	37	ACRES
South Meadow Pond	MA81165	[West Basin] Clinton/Lancaster.	34	ACRES
Spectacle Pond	MA81132	Lancaster.	61	ACRES
Streeter Pond	MA81136	Paxton/Holden.	18	ACRES
The Quag	MA81170	Sterling.	32	ACRES
Trout Brook	MA81-26	Headwaters, outlet Cournoyer Pond, Holden to mouth at confluence with Quinepoxet River, Holden.	1.9	MILES
Unnamed Tributary	MA81-46	Unnamed tributary to Rocky Brook, headwaters south of Upper North Row Road, Sterling to mouth at the confluence with Rocky Brook, Sterling.	0.7	MILES
Unnamed Tributary	MA81-49	Unnamed tributary to Wachusett Reservoir, headwaters, outlet Carrolls Pond, West Boylston to mouth at inlet Wachusett Reservoir, West Boylston.	0.8	MILES
Unnamed Tributary	MA81-50	Unnamed tributary to Wachusett Reservoir, headwaters, east of Linden Street, Boylston to mouth at inlet Wachusett Reservoir (Hastings Cove), Boylston.	1.3	MILES
Unnamed Tributary	MA81-51	Unnamed tributary to Quinapoxet River, headwaters, south of Malden Street, Holden to mouth at confluence with the Quinapoxet River, Holden.	1.5	MILES
Unnamed Tributary	MA81-54	Unnamed tributary to Wachusett Reservoir, headwaters, west of Route 140, West Boylston to mouth at inlet Wachusett Reservoir (Stillwater Basin), West Boylston.	0.8	MILES
Unnamed Tributary	MA81-58	Unnamed tributary to Quinapoxet Reservoir, headwaters, west of Route 68, Rutland to mouth at confluence with unnamed tributary to the Quinapoxet Reservoir (east of Bryant Road), Holden.	1.3	MILES
Unnamed Tributary	MA81-59	Unnamed tributary to Quinapoxet River, headwaters, southwest of Hog Hill, Sterling to mouth at confluence with the Quinapoxet River, West Boylston.	1.6	MILES

Category 3 waters listed alphabetically by major watershed
"No uses assessed"

WATER BODY	SEGMENT ID	Description	SIZE	UNITS
Unnamed Tributary (Boylston Brook)	MA81-34	Unnamed tributary locally known as "Boylston Brook." Headwaters north of French Drive, Boylston to mouth at confluence with Potash Brook, Boylston.	0.5	MILES
Unnamed Tributary (Burnt Mill Pond Brook)	MA81-65	Unnamed tributary to Snows Millpond locally known as "Burnt Mill Pond Brook", headwaters outlet Round Meadow Pond, Westminster to mouth at inlet Snows Millpond, Fitchburg/Westminster.	2	MILES
Vinton Pond	MA81145	Townsend.	16	ACRES
Wachusett Lake	MA81146	Westminster/Princeton.	129	ACRES
Warren Tannery Brook	MA81-53	Headwaters, perennial portion, north of Route 122A, Holden to mouth at confluence with Asnebumskit Brook, Holden.	1.4	MILES
Washacum Brook	MA81-47	Headwaters, outlet West Waushacum Pond, Sterling to mouth at inlet Wachusett Reservoir (Stillwater Basin), West Boylston.	1.8	MILES
West Waushacum Pond	MA81153	Sterling.	111	ACRES
Whitmanville Reservoir	MA81109	Westminster/Ashburnham.	107	ACRES
Wilder Brook	MA81-43	Headwaters west of Osgood Road, Sterling to mouth at confluence with Stillwater River, Sterling.	2.3	MILES
Winnekeag Lake	MA81157	Ashburnham.	113	ACRES
Wright Pond	MA81159	[West Basin] Ashby.	21	ACRES
North Coastal				
Alewife Brook	MA93-26	Headwaters, perennial portion just north of B&M Railroad, Rockport to mouth at inlet Babson Reservoir, Gloucester.	1	MILES
Babson Reservoir	MA93001	Gloucester.	40	ACRES
Birch Pond	MA93004	Saugus/Lynn.	80	ACRES
Breeds Pond	MA93006	Lynn.	195	ACRES
Browns Pond	MA93008	Peabody.	25	ACRES
Buswell Pond	MA93009	Gloucester.	4	ACRES
Coy Pond	MA93016	Wenham.	23	ACRES
Crystal Lake	MA93018	Wakefield/Stoneham.	79	ACRES
Fernwood Lake	MA93022	Gloucester.	25	ACRES
Goose Cove Reservoir	MA93093	Gloucester.	58	ACRES
Gravelly Pond	MA93028	Hamilton.	50	ACRES
Haskell Pond	MA93031	Gloucester.	58	ACRES
Mill Pond	MA93-60	East of Route 127, Gloucester (formerly Mill Pond MA93050).	0.03	SQUARE MILES
Niles Pond	MA93052	Gloucester.	34	ACRES
Quarry Reservoir	MA93053	Rockport.	7	ACRES
Round Pond	MA93063	Hamilton.	37	ACRES
Rum Rock Lake	MA93064	Rockport.	10	ACRES
Spring Pond	MA93073	[South Basin] Peabody/Lynn/Salem.	67	ACRES
Spring Pond	MA93074	[North Basin] Peabody.	17	ACRES
Unnamed Tributary	MA93-27	Headwaters, outlet Babson Reservoir, Gloucester to culvert outlet into saltwater wetland northwest of Bertoni Road, Gloucester (portion culverted).	0.4	MILES
Upper Pond	MA93083	Saugus.	13	ACRES
Walden Pond	MA93084	Lynn/Saugus/Lynnfield.	222	ACRES
Wallace Pond	MA93085	Gloucester.	22	ACRES
Parker				

Category 3 waters listed alphabetically by major watershed
"No uses assessed"

WATER BODY	SEGMENT ID	Description	SIZE	UNITS
Bull Brook	MA91-04	Headwaters south of Linebrook Road, Ipswich to mouth at inlet Bull Brook Reservoir, Ipswich.	1.4	MILES
Bull Brook Reservoir	MA91002	Ipswich.	7	ACRES
Central Street Pond	MA91003	Rowley.	3	ACRES
Crane Pond	MA91004	Groveland.	22	ACRES
Dow Brook Reservoir	MA91005	Ipswich.	16	ACRES
Egypt River	MA91-13	Outlet Bull Brook Reservoir, Ipswich to east of Jewett Hill (Latitude 42:42:23.40, Longitude 70:51:47.58 DMS), Ipswich.	1.1	MILES
Jackman Brook	MA91-07	Perennial portion northeast of intersection of Jewett and Tenney streets, Georgetown to mouth at confluence with Wheeler Brook, Georgetown.	0.8	MILES
Little Crane Pond	MA91007	West Newbury.	4	ACRES
Ox Pasture Brook	MA91-10	Headwaters - Outlet of small unnamed impoundment east of Bradford Street, Rowley to the outlet of a small unnamed impoundment west of Ox Pasture Hill, Rowley.	2.5	MILES
Quills Pond	MA91011	Newbury.	2	ACRES
Sperrys Pond	MA91013	Boxford.	26	ACRES
Wilson Pond	MA91017	Rowley.	5	ACRES
Quinebaug				
Lake George	MA41016	Wales.	93	ACRES
Leadmine Pond	MA41027	Sturbridge.	52	ACRES
Little Alum Pond	MA41029	Brimfield.	73	ACRES
McIntyre Pond	MA41031	Charlton.	11	ACRES
Monson Road Pond	MA41059	Wales.	4	ACRES
New Boston Road Pond	MA41035	Sturbridge.	13	ACRES
No. 3 Reservoir	MA41038	Southbridge.	23	ACRES
No. 4 Reservoir	MA41039	Southbridge.	69	ACRES
No. 5 Reservoir	MA41040	Southbridge.	30	ACRES
Prindle Lake	MA41043	Charlton.	75	ACRES
Wales Brook	MA41-08	Headwaters, outlet Lake George, Wales to mouth at confluence with Mill Brook, Brimfield.	5.2	MILES
Wielock Pond	MA41056	Dudley.	6	ACRES
Shawsheen				
Bakers Meadow Pond	MA83002	Andover.	21	ACRES
Fawn Lake	MA83004	Bedford.	12	ACRES
Hussey Brook Pond	MA83008	Andover.	0.5	ACRES
Pond Street Pond	MA83021	Billerica (unnamed pond west of Pond Street).	4	ACRES
Richardson Pond North	MA83020	Billerica/Tewksbury.	46	ACRES
Round Pond	MA83018	Tewksbury.	25	ACRES
Unnamed Tributary	MA83-16	Unnamed tributary to Shawsheen River also known as "Fosters Brook" - outlet Fosters Pond, Andover through River Street Pond to confluence with Shawsheen River at Lowell Junction Pond, Andover.	1	MILES
South Coastal				
Arnold School Pond	MA94004	Pembroke.	12	ACRES
Black Jimmy Pond	MA94008	Plymouth.	9	ACRES
Bloody Pond	MA94015	Plymouth.	101	ACRES
Boot Pond	MA94016	Plymouth.	69	ACRES
Bound Brook Pond	MA94017	Norwell.	21	ACRES
Elbow Pond	MA94035	Plymouth.	21	ACRES

Category 3 waters listed alphabetically by major watershed
"No uses assessed"

WATER BODY	SEGMENT ID	Description	SIZE	UNITS
Fresh Pond	MA94040	Plymouth.	60	ACRES
Governor Winslow House Pond	MA94047	Marshfield.	23	ACRES
Great Sandy Bottom Pond	MA94053	Pembroke.	103	ACRES
Gunners Exchange Pond	MA94055	Plymouth.	26	ACRES
Harrobs Corner Bog Pond	MA94061	Plympton.	20	ACRES
Hedges Pond	MA94065	Plymouth.	27	ACRES
Hobomock Pond	MA94177	Pembroke.	13	ACRES
Hoyts Pond	MA94070	Plymouth.	20	ACRES
Indian Pond	MA94072	Kingston/Plympton.	64	ACRES
Island Pond	MA94074	[west of the locality of Cedarville] Plymouth.	52	ACRES
Island Pond	MA94076	[south of locality of South Pond] Plymouth.	12	ACRES
Keene Pond	MA94079	Duxbury.	11	ACRES
Little Herring Pond	MA94082	Plymouth.	81	ACRES
Little Pond	MA94182	Plymouth.	40	ACRES
Little Sandy Bottom Pond	MA94085	Pembroke.	56	ACRES
Little South Pond	MA94087	Plymouth.	63	ACRES
Lout Pond	MA94090	Plymouth.	18	ACRES
Maquan Pond	MA94096	Hanson.	45	ACRES
Mill Pond	MA94101	Duxbury.	7	ACRES
Morey Hole	MA94102	Plymouth.	22	ACRES
North Hill Marsh Pond	MA94109	Duxbury.	43	ACRES
North Triangle Pond	MA94110	Plymouth.	22	ACRES
Pine Lake	MA94120	Duxbury.	22	ACRES
Pine Street Pond	MA94121	Duxbury.	14	ACRES
Round Pond	MA94131	Duxbury.	7	ACRES
Russell Pond	MA94133	Kingston.	11	ACRES
Shallow Pond	MA94140	Plymouth.	19	ACRES
Ship Pond	MA94142	Plymouth.	11	ACRES
South Triangle Pond	MA94149	Plymouth.	17	ACRES
Triangle Pond	MA94160	Plymouth.	14	ACRES
West Chandler Pond	MA94170	Pembroke.	10	ACRES
Winslow Cemetary Pond	MA94172	Marshfield.	6	ACRES
Wright Pond	MA94174	Duxbury.	30	ACRES
Taunton				
Assawompset Pond	MA62003	Lakeville/Middleborough.	2034	ACRES
Barrowsville Pond	MA62007	Norton.	31	ACRES
Beaumont Pond	MA62009	Foxborough.	24	ACRES
Beaver Brook	MA62-30	Headwaters, perennial portion, just west of Bay Road, Easton to mouth at inlet of Old Pond, Easton.	1.4	MILES
Briggs Pond	MA62021	Sharon.	19	ACRES
Carpenter Pond	MA62032	Foxborough.	29	ACRES
Chaffin Reservoir	MA62035	Pembroke.	13	ACRES
Chartley Pond	MA62038	Norton/Attleboro.	57	ACRES
Clear Pond	MA62041	Lakeville.	18	ACRES

Category 3 waters listed alphabetically by major watershed
"No uses assessed"

WATER BODY	SEGMENT ID	Description	SIZE	UNITS
Cobb Brook	MA62-43	Headwaters south of Dunbar Street (in Crapo Bog), Taunton to mouth at confluence with the Taunton River, Taunton (approximately 0.1mile culverted at mouth).	3.5	MILES
Cocasset Lake	MA62043	Foxborough.	32	ACRES
Cooper Pond	MA62046	Carver.	22	ACRES
Cotley River	MA62-41	From outlet of cranberry bog south of Seekell Street, Taunton to mouth at confluence with the Taunton River, Taunton.	5.7	MILES
Coweeset Brook	MA62-22	Headwaters, perennial portion, southwest of Route24/Route 123 interchange (north of Mill Street), Brockton to mouth at confluence with Hockomock River, West Bridgewater.	3.9	MILES
Cross Pond	MA62052	Brockton.	2	ACRES
Cross Street Pond	MA62053	Bridgewater.	27	ACRES
Elm Street Pond	MA62066	Halifax/Hanson.	19	ACRES
Forge Pond	MA62072	Freetown.	56	ACRES
Forge River	MA62-37	Headwaters, outlet Kings Pond, Raynham to mouth at confluence with the Taunton River, Raynham.	2.5	MILES
Furnace Lake	MA62076	Foxborough.	15	ACRES
Great Quittacas Pond	MA62083	Lakeville/Middleborough/Rochester.	1125	ACRES
Hartwell School Pond	MA62086	Mansfield (formerly a portion of MA62-27).	8	ACRES
Hewitt Pond	MA62088	Raynham.	14	ACRES
Hockomock River	MA62-35	Headwaters, perennial portion, west of Route 24, West Bridgewater to mouth at confluence with Town River, Bridgewater.	4.3	MILES
Johns Pond	MA62096	Carver.	21	ACRES
Kings Pond	MA62101	Raynham.	13	ACRES
Leach Pond	MA62103	Easton/Sharon.	111	ACRES
Little Cedar Swamp	MA62106	Easton.	91	ACRES
Little Quittacas Pond	MA62107	Lakeville/Rochester.	295	ACRES
Lovett Brook	MA62-46	Headwaters, perennial portion, north of Oak Street, Brockton to mouth at inlet Elis Brett Pond, Brockton.	1.5	MILES
Meadow Brook Pond	MA62113	Norton.	13	ACRES
MUDDY COVE BROOK	MA62-58	Headwaters, south of Hart Street, Dighton to inlet Muddy Cove Brook Pond, Dighton (formerly part of MA62-52 and MA62-23 (2004)).	1.4	MILES
MUDDY COVE BROOK	MA62-59	From outlet Muddy Cove Brook Pond, Dighton to outlet of small impoundment behind 333 Main Street (Zeneca Inc.), Dighton (formerly part of MA62-52 and MA62-23 (2004)).	0.2	MILES
Muddy Pond	MA62126	Halifax.	13	ACRES
Muddy Pond	MA62233	Kingston (formerly reported as MA94104).	42	ACRES
Mulberry Meadow Brook	MA62-31	Headwaters, outlet New Pond, Easton to mouth at inlet of Winnecunnet Pond, Norton (through former segments; Ward Pond MA62203 and Reservoir MA62158).	4.6	MILES
Mullein Hill Chapel Pond	MA62127	Lakeville.	23	ACRES
Nemasket River	MA62-26	From the Middleborough WWTP (NPDES: MA0101591) discharge, Middleborough to mouth at confluence with the Taunton River, Middleborough.	5.1	MILES
North Center Street Pond	MA62132	Carver.	12	ACRES
Oakland Pond	MA62136	Taunton.	38	ACRES
Plymouth Street Pond	MA62141	Halifax/East Bridgewater.	165	ACRES
Pocksha Pond	MA62145	Lakeville/Middleborough.	592	ACRES
Poor Meadow Brook	MA62-34	Headwaters, from wetland near County Street, Hanson to mouth at confluence with Satucket River, East Bridgewater.	6.9	MILES
Poquoy Pond	MA62147	Lakeville.	10	ACRES

Category 3 waters listed alphabetically by major watershed
"No uses assessed"

WATER BODY	SEGMENT ID	Description	SIZE	UNITS
Prospect Hill Pond	MA62149	Taunton.	42	ACRES
Puds Pond	MA62151	Sharon/Easton.	23	ACRES
QUESET BROOK	MA62-68	From outlet Longwater Pond, Easton to mouth at confluence with Coweeset Brook, West Bridgewater (formelry part of segment MA62-21).	3.3	MILES
Robbins Pond	MA62162	East Bridgewater.	124	ACRES
Route One Pond, West	MA62165	Wrentham.	10	ACRES
Sawmill Brook	MA62-36	Headwaters, outlet Ice Pond, Bridgewater to mouth at confluence with the Taunton River, Bridgewater.	1.9	MILES
Snake River	MA62-28	Headwaters, outlet Winnecunnet Pond, Norton to mouth at inlet of Lake Sabbatia, Taunton.	3.3	MILES
Sunset Lake	MA62184	Foxborough.	13	ACRES
The Reservoir	MA62189	Lakeville.	23	ACRES
Thurston Street Pond	MA62192	Wrentham.	7	ACRES
Tispaquin Pond	MA62195	Middleborough.	195	ACRES
Town River	MA62-11	Headwaters, outlet Lake Nippenicket, Bridgewater to Route 28 bridge, West Bridgewater.	4.5	MILES
Town River	MA62-12	Route 28 bridge, West Bridgewater to Bridgewater WWTP (NPDES: MA0100641) discharge, Bridgewater.	3.9	MILES
Town River	MA62-13	From Bridgewater WWTP (NPDES: MA0100641) discharge, Bridgewater to mouth at confluence with the Matfield River forming headwaters Taunton River, Bridgewater.	2.3	MILES
Upper Leach Pond	MA62123	(Mountain Street Pond) Sharon.	28	ACRES
Whiteville Pond	MA62211	Mansfield.	14	ACRES
Winnetuxet River	MA62-24	Headwaters, confluence of Muddy Pond Brook and Doten Brook, Carver to mouth at confluence with the Taunton River, Halifax.	12.1	MILES
Wolomolopoag Pond	MA62216	Sharon.	13	ACRES
Ten Mile				
Greenwood Lake	MA52017	Mansfield/North Attleborough.	96	ACRES
Hoppin Hill Reservoir	MA52021	North Attleborough.	22	ACRES
Manchester Pond Reservoir	MA52026	Attleboro.	238	ACRES
Westfield				
ABBOTT BROOK	MA32-62	Headwaters (perennial portion), north of Abbott Hill Road, Chester to mouth at confluence with West Branch Westfield River, Chester.	2.5	MILES
ARM BROOK	MA32-58	Headwaters (perennial portion), south of Summit Lock Road, Westfield to inlet unnamed pond west of Barbara Street, Westfield.	1.7	MILES
Ashley Cutoff	MA32001	Holyoke.	31	ACRES
Ashley Pond	MA32002	Holyoke.	133	ACRES
BARRY BROOK	MA32-57	Headwaters, outlet Snake Pond, Holyoke to mouth at confluence with Trask Brook (forming headwaters Bush Brook), Westfield.	2.6	MILES
Borden Brook Reservoir	MA32011	Granville/Blandford.	211	ACRES
BUSH BROOK	MA32-56	Headwaters, confluence of Barry and Trask brooks, east of Sherwood Avenue, Westfield to mouth at confluence with Pond Brook, Westfield.	0.7	MILES
Clear Pond	MA32077	Holyoke.	10	ACRES
Cobble Mountain Reservoir	MA32018	Blandford/Granville/Russell.	1034	ACRES
Connor Reservoir	MA32024	Holyoke.	17	ACRES
Cook Brook	MA32-38	Headwaters, outlet small unnamed pond west of the intersection of Gorge and Granville roads, Westfield to mouth at confluence with Little River, Westfield.	2	MILES
Cooley Lake	MA32026	Granville.	66	ACRES
Crooked Pond	MA32028	Plainfield.	34	ACRES

Category 3 waters listed alphabetically by major watershed
"No uses assessed"

WATER BODY	SEGMENT ID	Description	SIZE	UNITS
Damon Pond	MA32029	Chesterfield/Goshen.	77	ACRES
Garnet Lake	MA32037	Peru.	17	ACRES
GEER BROOK	MA32-43	Headwaters, outlet Garnet Lake, Peru to mouth at confluence with Factory Brook, Middlefield.	1.8	MILES
Granville Reservoir	MA32038	Granville.	74	ACRES
Hammond Pond	MA32040	Goshen.	38	ACRES
KELLOG BROOK	MA32-55	Headwaters (perennial portion), east of College Highway (Route 202), Southwick to mouth at confluence with Great Brook, Westfield.	2.8	MILES
Little River	MA32-35	Source, outlet of Cobble Mountain Reservoir, Russell to Springfield Water Works Intake Dam (NATID: MA00708) northwest of Gorge Road, Russell (formerly part of segment MA32-26).	2.6	MILES
Littleville Lake	MA32046	Chester/Huntington.	252	ACRES
Mclean Reservoir	MA32050	Holyoke.	55	ACRES
North Railroad Pond	MA32053	Holyoke.	9	ACRES
Norwich Pond	MA32054	Huntington.	116	ACRES
Robin Hood Lake	MA32057	Becket.	63	ACRES
Rudd Pond	MA32060	Becket.	72	ACRES
Russell Pond	MA32061	Russell.	82	ACRES
Scout Pond	MA32063	Chesterfield.	37	ACRES
STEEP BANK BROOK	MA32-53	Headwaters (perennial portion), northeast of Bates Road, Windsor to mouth at confluence with Westfield River, Windsor.	1	MILES
Westfield Reservoir	MA32074	Montgomery.	40	ACRES
Wright Pond	MA32078	Holyoke.	28	ACRES
Yokum Pond	MA32079	Becket.	98	ACRES

Category 4a waters listed alphabetically by major watershed
"TMDL is completed"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	POLLUTANTS ADDRESSED BY TMDL	EPA TMDL NO.
Blackstone						
Dorothy Pond	MA51039	Millbury.	133	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	
					Turbidity	379
Eddy Pond	MA51043	Auburn.	103	ACRES	(Aquatic Plants (Macrophytes)*)	
					(Non-Native Aquatic Plants*)	
					Nutrient/Eutrophication Biological Indicators	2382
Flint Pond	MA51050	[North Basin] Shrewsbury.	93	ACRES	(Aquatic Plants (Macrophytes)*)	
					(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	
					Nutrient/Eutrophication Biological Indicators	444
					Turbidity	444
Flint Pond	MA51188	[South Basin] Shrewsbury/Grafton/Worcester.	173	ACRES	(Aquatic Plants (Macrophytes)*)	
					(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	
					Nutrient/Eutrophication Biological Indicators	444
Green Hill Pond	MA51056	Worcester.	29	ACRES	Turbidity	498
Howe Reservoirs	MA51071	[West Basin] Millbury.	7	ACRES	(Aquatic Plants (Macrophytes)*)	
					Nutrient/Eutrophication Biological Indicators	550
Indian Lake	MA51073	Worcester.	187	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					Harmful Algal Bloom	2323
					Nutrient/Eutrophication Biological Indicators	2323
					Oxygen, Dissolved	2323
Jordan Pond	MA51078	Shrewsbury.	18	ACRES	Harmful Algal Bloom	2385
					Turbidity	2385
Leesville Pond	MA51087	Auburn/Worcester.	34	ACRES	(Non-Native Aquatic Plants*)	
					Oxygen, Dissolved	671
					Phosphorus (Total)	671
Pondville Pond	MA51120	Auburn/Millbury.	36	ACRES	(Non-Native Aquatic Plants*)	
					Excess Algal Growth	938
Shirley Street Pond	MA51196	Shrewsbury.	19	ACRES	(Aquatic Plants (Macrophytes)*)	
					Nutrient/Eutrophication Biological Indicators	2392

Category 4a waters listed alphabetically by major watershed
"TMDL is completed"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	POLLUTANTS ADDRESSED BY TMDL	EPA TMDL NO.
Southwick Pond	MA51157	Leicester/Paxton.	43	ACRES	(Aquatic Plants (Macrophytes)*)	
					Nutrient/Eutrophication Biological Indicators	2390
Waite Pond	MA51170	Leicester.	49	ACRES	Mercury in Fish Tissue	33880
Boston Harbor: Neponset						
Massapoag Lake	MA73030	Sharon.	389	ACRES	(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	33880
Pettee Pond	MA73036	Walpole/Westwood.	10	ACRES	Mercury in Fish Tissue	42408
Ponkapoag Pond	MA73043	Canton/Randolph.	214	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	42409
Ponkapog Brook	MA73-27	Headwaters, outlet of Ponkapoag Pond, Canton to confluence with Neponset River, Canton.	3.1	MILES	Escherichia coli	2592
					Fecal Coliform	2592
Purgatory Brook	MA73-24	Headwaters east of Farm Lane, Westwood to confluence with Neponset River, Norwood.	5.1	MILES	(Debris/Floatables/Trash*)	
					Escherichia coli	2592
					Fecal Coliform	2592
Reservoir Pond	MA73048	Canton.	251	ACRES	(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	42400
Unnamed Tributary	MA73-31	Headwaters, outlet of Massapoag Lake, Sharon to mouth at inlet of Hammer Shop Pond, Sharon (not depicted on 1987 Mansfield USGS quad).	0.3	MILES	Fecal Coliform	2592
Willet Pond	MA73062	Walpole/Westwood/Norwood (includes unnamed tributary at northern end formerly reported as segment MA73-13).	205	ACRES	Mercury in Fish Tissue	33880
Buzzards Bay						
Back River	MA95-47	Estuarine portion, west of County Road, Bourne to confluence with Phinneys Harbor (excluding Eel Pond), Bourne.	0.09	SQUARE MILES	Fecal Coliform	36172
Bread and Cheese Brook	MA95-58	Headwaters north of Old Bedford Road, Westport to confluence with East Branch Westport River, Westport.	4.9	MILES	Enterococcus	36170
					Fecal Coliform	36170
Broad Marsh River	MA95-49	Headwaters in salt marsh south of Marion Road and Bourne Terrace, Wareham to confluence with the Wareham River, Wareham.	0.17	SQUARE MILES	Fecal Coliform	36172
Buttonwood Brook	MA95-13	Headwaters, Oakdale Street, New Bedford to mouth at Apponagansett Bay, Dartmouth (excluding the approximately 0.2 miles through Buttonwood Park Pond segment MA95020).	3.6	MILES	Enterococcus	36170
					Escherichia coli	36170
					Fecal Coliform	36170
Cape Cod Canal	MA95-14	Waterway between Buzzards Bay and Cape Cod Bay, Bourne/Sandwich.	1.14	SQUARE MILES	Fecal Coliform	36171
Cedar Island Creek	MA95-52	Estuarine portion southwest of the intersection of Parker Drive and Camardo Drive, Wareham to the mouth at Marks Cove, Wareham.	0.01	SQUARE MILES	Fecal Coliform	36172
Crooked River	MA95-51	Estuarine portion east of Indian Neck Road, Wareham to the confluence with the Wareham River, Wareham.	0.04	SQUARE MILES	Enterococcus	36172
					Fecal Coliform	36172

Category 4a waters listed alphabetically by major watershed
"TMDL is completed"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	POLLUTANTS ADDRESSED BY TMDL	EPA TMDL NO.
East Branch Westport River	MA95-40	Headwaters, outlet Noquochoke Lake, Dartmouth to Old County Road bridge, Westport.	2.4	MILES	Enterococcus	36170
					Fecal Coliform	36170
Eel Pond	MA95-48	Salt water pond that discharges to the Back River, Bourne.	0.03	SQUARE MILES	Fecal Coliform	36172
Great Sippewisset Creek	MA95-23	From the outlet of Beach Pond in Great Sippewisset Marsh, Falmouth to the mouth at Buzzards Bay, Falmouth (including Quahog Pond and the unnamed tributary from the outlet of Fresh Pond).	0.03	SQUARE MILES	Fecal Coliform	36172
Harbor Head	MA95-46	The semi-enclosed body of water south of the confluence with West Falmouth Harbor, south of Chappaquoit Road, Falmouth.	0.02	SQUARE MILES	Estuarine Bioassessments	34284
					Fecal Coliform	36172
Hiller Cove	MA95-10	The water landward of a line drawn between Joes Point, Mattapoisett and the second boat dock northeast of Hiller Cove Lane, Mattapoisett.	0.04	SQUARE MILES	Fecal Coliform	36172
Little Bay	MA95-64	From the confluence with the Nasketucket River, Fairhaven south to the confluence with Nasketucket Bay at a line from the southernmost tip of Mirey Neck, Fairhaven (~latitude 41.625702, ~longitide 70.854045) to a point of land near Shore Drive (~latitude 41.621994, ~longitude 70.855415), Fairhaven.	0.33	SQUARE MILES	Fecal Coliform	36172
Little Sippewisset Marsh	MA95-24	From headwaters north of Sippewisset Road and east of Maker Lane, Falmouth to the mouth at Buzzards Bay southwest of end of Saconesset Road, Falmouth.	0.02	SQUARE MILES	Fecal Coliform	36172
Long Pond	MA95097	Rochester.	32	ACRES	Mercury in Fish Tissue	33880
Mattapoisett River	MA95-60	From the Mattapoisett River Dam (#MA02447) at Fairhaven Road (Route 6), Mattapoisett to the mouth at Mattapoisett Harbor, Mattapoisett.	0.04	SQUARE MILES	Fecal Coliform	36172
Nasketucket Bay	MA95-65	From the confluence with Little Bay, Fairhaven to Buzzards Bay along Causeway Road, Fairhaven (on the south) and along a line from the southern tip of Brant Island, Mattapoisett to the eastern tip of West Island, Fairhaven.	3.69	SQUARE MILES	Fecal Coliform	36172
Oyster Pond	MA95927	west of Route 28A, Falmouth.	0.01	SQUARE MILES	Estuarine Bioassessments	34331
					Oxygen, Dissolved	34331
Phinneys Harbor	MA95-15	From the confluence with the Back River, to the mouth at Buzzards Bay (demarcated by a line from the southeastern point of Mashnee Island to the northwestern point of Tobys Island), Bourne (includes the "north facing embayment of Tobys Island").	0.72	SQUARE MILES	Estuarine Bioassessments	35069
					Fecal Coliform	36172
					Nitrogen (Total)	35069
Pocasset River	MA95-16	From the outlet of Mill Pond, Bourne to the mouth at Buzzards Bay, Bourne.	0.05	SQUARE MILES	Fecal Coliform	36172
Sippican River	MA95-07	County Road, Marion/Wareham to confluence with Weweantic River, Marion/Wareham.	0.08	SQUARE MILES	Fecal Coliform	36172
Snell Creek	MA95-44	Headwaters west of Main Street, Westport to Drift Road, Westport.	1.5	MILES	Enterococcus	36170
					Escherichia coli	36170

Category 4a waters listed alphabetically by major watershed
"TMDL is completed"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	POLLUTANTS ADDRESSED BY TMDL	EPA TMDL NO.
					Fecal Coliform	36170
Snell Creek	MA95-45	Drift Road, Westport to 'Marcus' Bridge', Westport.	0.4	MILES	Enterococcus	36170
					Escherichia coli	36170
					Fecal Coliform	36170
Snell Creek	MA95-59	'Marcus' Bridge', Westport to confluence with East Branch Westport River, Westport.	0.01	SQUARE MILES	Fecal Coliform	36172
Snipatuit Pond	MA95137	Rochester.	711	ACRES	Mercury in Fish Tissue	33880
Turner Pond	MA95151	New Bedford/Dartmouth.	86	ACRES	Mercury in Fish Tissue	33880
Wankinco River	MA95-50	From outlet of Parker Mills Pond, south of Elm Street, Wareham to the confluence with the Agawam River (at a line between a point south of Mayflower Ridge Drive and a point north of the railroad tracks near Sandwich Road (forming headwaters of the Wareham River)) just north of Route 6 bridge, Wareham.	0.05	SQUARE MILES	Fecal Coliform	36172
West Falmouth Harbor	MA95-22	From the confluence with Harbor Head at Chappaquoit Road, Falmouth to the mouth at Buzzards Bay at a line connecting the ends of the seawalls from Little Island and Chappaquoit Point, Falmouth (including Inner West Falmouth Harbor, Outer West Falmouth Harbor, Snug Harbor, and Mashapaquit Creek).	0.29	SQUARE MILES	Estuarine Bioassessments	34328
					Estuarine Bioassessments	34332
					Fecal Coliform	36172
					Nitrogen (Total)	34328
					Nitrogen (Total)	34332
					Nitrogen (Total)	34917
					Nitrogen (Total)	34918
Westport River	MA95-54	From the confluences of the East Branch Westport River and the West Branch Westport River to Rhode Island Sound (at a line from the southwestern tip of Horseneck Point to the easternmost point near Westport Light), Westport (includes Westport Harbor and Hulda Cove).	0.74	SQUARE MILES	Fecal Coliform	36172
Wild Harbor River	MA95-68	Headwaters, Falmouth to mouth at Wild Harbor, Falmouth.	0.03	SQUARE MILES	Fecal Coliform	36172
Cape Cod						
Areys Pond	MA96-70	Orleans.	0.02	SQUARE MILES	Estuarine Bioassessments	33786
					Nitrogen (Total)	33786
Baker Pond	MA96008	Orleans/Brewster.	26	ACRES	Mercury in Fish Tissue	33880
Bearse Pond	MA96012	Barnstable.	64	ACRES	(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	42393
Bournes Pond	MA96-57	west of Central Avenue, Falmouth outlet to Vineyard Sound, including Israels Cove, Falmouth.	0.24	SQUARE MILES	Estuarine Bioassessments	32535
					Estuarine Bioassessments	32638
					Fecal Coliform	36772
					Nitrogen (Total)	32535
					Nitrogen (Total)	32638
Bucks Creek	MA96-44	Outlet Harding Beach Pond (locally known as Sulfur Springs), Chatham to mouth at inlet Cockle Cove, Nantucket Sound, Chatham.	0.02	SQUARE MILES	Enterococcus	36772
					Fecal Coliform	36772
					Nitrogen (Total)	36230

Category 4a waters listed alphabetically by major watershed
"TMDL is completed"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	POLLUTANTS ADDRESSED BY TMDL	EPA TMDL NO.
Bumps River	MA96-02	From pond outlet, Bumps River Road, Barnstable through Scudder Bay to mouth at Main Street/South Main Street bridge (confluence with Centerville River), Barnstable.	0.07	SQUARE MILES	Fecal Coliform	36771
Centerville River	MA96-04	From approximately 300 feet west of Elliot Road, Barnstable to inlet Centerville Harbor, including East Bay, Barnstable.	0.24	SQUARE MILES	Estuarine Bioassessments	33858
					Fecal Coliform	36771
					Nitrogen (Total)	33858
Chase Garden Creek	MA96-35	New Boston Road, Dennis to mouth at inlet Cape Cod Bay, Dennis/Yarmouth.	0.13	SQUARE MILES	Fecal Coliform	36771
Cockle Cove Creek	MA96-79	Northeast of the bend in Cockle Drive, Chatham to mouth at confluence with Bucks Creek, Chatham (2005 orthophotos used to delineate segment).	0.01	SQUARE MILES	Enterococcus	42353
					Fecal Coliform	42353
Cotuit Bay	MA96-63	From North Bay at Point Isabella, Barnstable oceanward to a line extended along Oyster Harbors Beach, Barnstable.	0.85	SQUARE MILES	Fecal Coliform	36582
					Nitrogen (Total)	33988
Dock Creek	MA96-86	From railroad crossing northeast of Route 6A, Sandwich to confluence with Old Harbor Creek, Sandwich.	0.02	SQUARE MILES	Fecal Coliform	42354
Duck Creek	MA96-32	Source west of Route 6, Wellfleet to mouth at inlet Wellfleet Harbor (at a line from Shirttail Point to Taylor Road), Wellfleet.	0.15	SQUARE MILES	Fecal Coliform	36772
Duck Pond	MA96068	Wellfleet.	11	ACRES	Mercury in Fish Tissue	33880
Dyer Pond	MA96070	Wellfleet.	10	ACRES	Mercury in Fish Tissue	33880
East Harbor (Pilgrim Lake)	MA96-83	Truro/Provincetown.	0.5	SQUARE MILES	Fecal Coliform	42355
Frost Fish Creek	MA96-49	Headwaters outlet cranberry bog northwest of Stony Hill Road, Chatham to mouth at inlet Ryder Cove, Chatham.	0.01	SQUARE MILES	Fecal Coliform	22513
					Nitrogen (Total)	33781
Great Harbor	MA96-18	The waters north of an imaginary line drawn east from Penzance Point, Falmouth to Devils Foot Island, Falmouth and southeast from Devils Foot Island to Juniper Point (excludes Eel Pond), Falmouth.	0.31	SQUARE MILES	Fecal Coliform	36772
Great Pond	MA96114	Truro.	17	ACRES	Mercury in Fish Tissue	33880
Great Pond	MA96117	Wellfleet.	41	ACRES	Mercury in Fish Tissue	33880
Great Pond	MA96-54	From inlet of Coonamessett River, Falmouth to Vineyard Sound (excluding Perch Pond), Falmouth.	0.4	SQUARE MILES	Enterococcus	36772
					Estuarine Bioassessments	32532
					Fecal Coliform	36772
					Nitrogen (Total)	32532
Great River	MA96-60	From inlet of Abigails Brook, Mashpee to mouth at inlet Waquoit Bay (excluding Jehu Pond), Mashpee.	0.16	SQUARE MILES	Estuarine Bioassessments	33815
					Nitrogen (Total)	33815
Green Pond	MA96-55	east of Acapesket Road, Falmouth outlet to Vineyard Sound, Falmouth.	0.21	SQUARE MILES	Estuarine Bioassessments	32534
					Fecal Coliform	36772
					Nitrogen (Total)	32534
Halls Creek	MA96-93	Estuarine portion, from Marchant Mill Way, Barnstable to mouth at inlet Centerville Harbor, Barnstable.	0.07	SQUARE MILES	Fecal Coliform	42356

Category 4a waters listed alphabetically by major watershed
"TMDL is completed"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	POLLUTANTS ADDRESSED BY TMDL	EPA TMDL NO.
Hamblin Pond	MA96-58	From inlet of Red Brook, Falmouth/Mashpee to outlet of Little River, Mashpee and inlet/outlet of Waquoit Bay west of Meadow Neck Road, Falmouth/Mashpee.	0.19	SQUARE MILES	Estuarine Bioassessments	33812
					Fecal Coliform	36771
					Nitrogen (Total)	33812
Harding Beach Pond	MA96-43	locally known as Sulfur Springs (northeast of Bucks Creek), Chatham.	0.07	SQUARE MILES	Fecal Coliform	36772
					Nitrogen (Total)	36229
Herring River	MA96-22	From outlet Herring River Reservoir (at North Harwich Reservoir Dam NATID: MA02423) west of Bells Neck Road, Harwich to mouth at inlet Nantucket Sound, Harwich.	0.07	SQUARE MILES	Fecal Coliform	36772
Horseleach Pond	MA96144	Truro.	23	ACRES	Mercury in Fish Tissue	42401
Hyannis Inner Harbor	MA96-82	Waters landward of an imaginary line drawn from Harbor Bluff, Barnstable to Hyannis Park, Yarmouth.	0.13	SQUARE MILES	Fecal Coliform	42357
					Nitrogen (Total)	64145
Jehu Pond	MA96-59	Mashpee.	0.09	SQUARE MILES	Estuarine Bioassessments	33814
					Nitrogen (Total)	33814
Johns Pond	MA96157	Mashpee.	316	ACRES	Mercury in Fish Tissue	33880
Lawrence Pond	MA96165	Sandwich.	138	ACRES	Mercury in Fish Tissue	42402
Lewis Bay	MA96-36	Includes portion of Pine Island Creek and Uncle Roberts Cove, Yarmouth to confluence with Nantucket Sound, Barnstable/Yarmouth (excluding Hyannis Inner Harbor, Barnstable/Yarmouth and Mill Creek, Yarmouth).	1.79	SQUARE MILES	Estuarine Bioassessments	64146
					Estuarine Bioassessments	64147
					Fecal Coliform	36771
Little Harbor	MA96-19	The waters north of an imaginary line drawn from Juniper Point, Falmouth east to Nobska Beach, Falmouth.	0.07	SQUARE MILES	Fecal Coliform	36772
Little Namskaket Creek	MA96-26	Source west of Route 6, Orleans to mouth at inlet Cape Cod Bay, Orleans.	0.01	SQUARE MILES	Fecal Coliform	36772
Little Pleasant Bay	MA96-78	Waters north and east of imaginary lines drawn from the northeasterly edge of Orleans (near The Horseshoe), southeasterly around the northeastern tip of Sipson Island, and Sipson Meadow, Orleans then south to the northern tip of Strong Island, Chatham then east to a point on the inner Cape Cod National Seashore (CCNS)(including SARIS named Hog Island and Broad creeks) (excluding the delineated segments; The River, Pochet Neck, and Paw Wah Pond) (areas within CCNS designated as ORW).	3.27	SQUARE MILES	Nitrogen (Total)	33794
Little Pond	MA96-56	west of Vista Boulevard, Falmouth outlet to Vineyard Sound, Falmouth.	0.07	SQUARE MILES	Estuarine Bioassessments	34009
					Fecal Coliform	42364
Little River	MA96-61	Headwaters outlet Hamblin Pond, Mashpee to mouth at confluence with Great River, Mashpee.	0.03	SQUARE MILES	Estuarine Bioassessments	33813
					Nitrogen (Total)	33813
Long Pond	MA96179	Wellfleet.	35	ACRES	Mercury in Fish Tissue	33880
Maraspin Creek	MA96-06	From Commerce Road, Barnstable to mouth at inlet Barnstable Harbor at Blish Point, Barnstable.	0.03	SQUARE MILES	Fecal Coliform	36771
Mashpee Pond	MA96194	Mashpee/Sandwich.	377	ACRES	Mercury in Fish Tissue	33880
Mashpee River	MA96-24	Quinaquisset Avenue, Mashpee to mouth at inlet	0.08	SQUARE	Estuarine Bioassessments	33965

Category 4a waters listed alphabetically by major watershed
"TMDL is completed"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	POLLUTANTS ADDRESSED BY TMDL	EPA TMDL NO.
		Shoestring Bay (formerly to mouth at Popponesset Bay), Mashpee.		E MILES	Fecal Coliform	36771
Mill Creek	MA96-37	Headwaters outlet Hallets Millpond, Barnstable/Yarmouth to mouth at inlet Cape Cod Bay, Barnstable/Yarmouth.	0.03	SQUAR E MILES	Fecal Coliform	36771
Mill Creek	MA96-41	Headwaters outlet Taylors Pond, Chatham to mouth at inlet Cockle Cove, Chatham.	0.03	SQUAR E MILES	Fecal Coliform	36772
Mill Creek	MA96-80	Headwaters, outlet Mill Pond, Yarmouth to mouth at inlet Lewis Bay, Yarmouth.	0.07	SQUAR E MILES	Fecal Coliform	42365
					Nitrogen (Total)	64148
					Nitrogen (Total)	64149
Mill Creek	MA96-85	Headwaters, outlet Shawme Lake Lower, Sandwich to mouth at confluence with Old Harbor Creek, Sandwich.	0.02	SQUAR E MILES	Fecal Coliform	42366
Mill Pond	MA96-52	including Little Mill Pond (PALIS # 96174), Chatham.	0.06	SQUAR E MILES	Estuarine Bioassessments	36222
					Nitrogen (Total)	36222
Muddy Creek	MA96-51	Source south of Countryside Drive and north-northeast of Old Queen Anne Road, Chatham to mouth at inlet Pleasant Bay, Harwich/Chatham, including Upper and Lower reaches.	0.05	SQUAR E MILES	Fecal Coliform	22512
					Nitrogen (Total)	33797
					Nitrogen (Total)	33798
Namequoit River	MA96-71	Headwaters, outlet Areys Pond, Orleans to mouth at confluence with The River, Orleans.	0.06	SQUAR E MILES	Estuarine Bioassessments	33791
					Nitrogen (Total)	33791
Namskaket Creek	MA96-27	Source west of Route 6, Orleans/Brewster to mouth at inlet Cape Cod Bay, Brewster/Orleans.	0.03	SQUAR E MILES	Fecal Coliform	36772
North Bay	MA96-66	From Prince Cove outlet at Fox Island to just south of Bridge Street (including Dam Pond) and separated from Cotuit Bay at a line from Point Isabella, Barnstable southward to the opposite shore, Barnstable.	0.47	SQUAR E MILES	Estuarine Bioassessments	33990
					Fecal Coliform	36584
Old Harbor Creek	MA96-84	From Foster Road, Sandwich to mouth at inlet Sandwich Harbor, Sandwich.	0.06	SQUAR E MILES	Fecal Coliform	42367
Oyster Pond	MA96-45	Including Stetson Cove, Chatham.	0.21	SQUAR E MILES	Estuarine Bioassessments	36219
					Fecal Coliform	36772
					Nitrogen (Total)	36219
Oyster Pond	MA96-62	east of Fells Road, Falmouth.	0.1	SQUAR E MILES	Estuarine Bioassessments	34345
					Fecal Coliform	36772
					Oxygen, Dissolved	34345
Oyster Pond River	MA96-46	Headwaters outlet Oyster Pond, Chatham to mouth at inlet Stage Harbor, Chatham.	0.14	SQUAR E MILES	Estuarine Bioassessments	36220
					Fecal Coliform	36772
					Nitrogen (Total)	36220
Pamet River	MA96-31	From tidegate at Route 6A, Truro to mouth at inlet Cape Cod Bay (including Pamet Harbor), Truro.	0.14	SQUAR E MILES	Fecal Coliform	36772
Parkers River	MA96-38	Headwaters outlet Seine Pond, Yarmouth to mouth at inlet Nantucket Sound, Yarmouth (excluding Lewis Pond, Yarmouth).	0.04	SQUAR E MILES	Fecal Coliform	36771
Paw Wah Pond	MA96-72	Orleans.	0.01	SQUAR E MILES	Estuarine Bioassessments	33792
					Fecal Coliform	42368
					Nitrogen (Total)	33792

Category 4a waters listed alphabetically by major watershed
"TMDL is completed"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	POLLUTANTS ADDRESSED BY TMDL	EPA TMDL NO.
Perch Pond	MA96-53	Connects to northwest end of Great Pond, west of Keechipam Way, Falmouth.	0.03	SQUARE MILES	Nitrogen (Total)	32537
Peters Pond	MA96244	Sandwich/Mashpee.	123	ACRES	Mercury in Fish Tissue	33880
Pleasant Bay	MA96-77	The waters between the mouth of Muddy Creek, Harwich and imaginary lines drawn from the northeastern edge of Orleans (near The Horseshoe and The Narrows), southeasterly around the northeastern tip of Sipson Island, and Sipson Meadow, Orleans then south to the northern tip of Strong Island, Chatham and from the southeastern tip of Strong Island to Allen Point, Chatham (excluding the delineated segments; Bassing Harbor, Round Cove and Quanset Pond).	2.88	SQUARE MILES	Nitrogen (Total)	33799
Pochet Neck	MA96-73	outlet to Little Pleasant Bay, Orleans (areas within Cape Cod National Seashore designated as ORW).	0.24	SQUARE MILES	Estuarine Bioassessments	33793
					Fecal Coliform	42369
					Nitrogen (Total)	33793
Popponesset Bay	MA96-40	The waters seaward of an imaginary line connecting Ryefield Point, Barnstable and Punkhorn Point, Mashpee to inlet of Nantucket Sound (including Ockway Bay, Mashpee and Pinquickset Cove, Barnstable) (excludes Popponesset Creek, Mashpee).	0.68	SQUARE MILES	Estuarine Bioassessments	33967
					Estuarine Bioassessments	33968
					Estuarine Bioassessments	33969
Prince Cove	MA96-07	Includes areas east of Prince Cove (which are locally known as "Warren Cove" and "Prince Cove Channel") to confluence with North Bay, Barnstable.	0.14	SQUARE MILES	Estuarine Bioassessments	33991
					Estuarine Bioassessments	33992
					Estuarine Bioassessments	33993
					Fecal Coliform	36585
Provincetown Harbor	MA96-29	The waters northwest of an imaginary line drawn northeasterly from the tip of Long Point, Provincetown to Pilgrim Beach (in vacinity of Sandbars Inn), Truro (area within Cape Cod National Seashore designated as ORW).	4.33	SQUARE MILES	Fecal Coliform	36772
Quanset Pond	MA96-74	Orleans.	0.02	SQUARE MILES	Nitrogen (Total)	33791
					Nitrogen (Total)	33795
Quashnet River	MA96-20	From just south of Route 28, Falmouth to mouth at inlet Waquoit Bay, Falmouth. Also known as Moonakis River.	0.07	SQUARE MILES	Fecal Coliform	36772
					Nitrogen (Total)	33811
					Oxygen, Dissolved	33811
Quivett Creek	MA96-09	Outlet of unnamed pond just south of Route 6A, Brewster/Dennis to mouth at inlet Cape Cod Bay, Brewster/Dennis.	0.04	SQUARE MILES	Fecal Coliform	36771
Rock Harbor Creek	MA96-16	Headwaters outlet Cedar Pond, Orleans to mouth at inlet Cape Cod Bay, Eastham/Orleans.	0.03	SQUARE MILES	Fecal Coliform	36772
Round Pond (East)	MA96260	Truro.	6	ACRES	Mercury in Fish Tissue	42403
Round Pond (West)	MA96261	Truro.	2	ACRES	Mercury in Fish Tissue	42404
Ryder Cove	MA96-50	Chatham.	0.19	SQUARE MILES	Estuarine Bioassessments	33780
					Fecal Coliform	36772
					Nitrogen (Total)	33780

Category 4a waters listed alphabetically by major watershed
"TMDL is completed"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	POLLUTANTS ADDRESSED BY TMDL	EPA TMDL NO.
Santuit River	MA96-92	From confluence with fresh water portion south of Old Mill Road, Mashpee to mouth at inlet Shoestring Bay, Mashpee/Barnstable.	0.01	SQUARE MILES	Fecal Coliform	42360
Saquatucket Harbor	MA96-23	South of Route 28, Harwich outlet to Nantucket Sound, Harwich.	0.02	SQUARE MILES	Fecal Coliform	36772
Scorton Creek	MA96-30	Jones Lane, Sandwich to mouth at inlet Cape Cod Bay, Sandwich.	0.03	SQUARE MILES	Fecal Coliform	36771
Seapuit River	MA96-64	south of Osterville Grand Island, Barnstable to Cotuit Bay and West Bay, Barnstable.	0.06	SQUARE MILES	Fecal Coliform	36583
Sesuit Creek	MA96-13	Approximately 650 feet downstream from Route 6A, Dennis to mouth at inlet Sesuit Harbor, Cape Cod Bay, Dennis.	0.01	SQUARE MILES	Fecal Coliform	36771
Sheep Pond	MA96289	Brewster.	139	ACRES	Mercury in Fish Tissue	33880
Shoestring Bay	MA96-08	Quinaquisset Avenue, Mashpee/Barnstable to Popponesset Bay (line from Ryefield Point, Barnstable to Punkhorn Point, Mashpee, including Gooseberry Island), Barnstable/Mashpee.	0.31	SQUARE MILES	Estuarine Bioassessments	33966
					Fecal Coliform	36771
Slough Pond	MA96298	Truro.	29	ACRES	Mercury in Fish Tissue	33880
Snake Pond	MA96302	Sandwich.	81	ACRES	Mercury in Fish Tissue	33880
Snow Pond	MA96303	Truro.	7	ACRES	Mercury in Fish Tissue	33880
Snows Creek	MA96-81	East of Old Colony Road, Barnstable to mouth at inlet Lewis Bay, Barnstable.	0.02	SQUARE MILES	Fecal Coliform	42361
Spectacle Pond	MA96306	Wellfleet.	2	ACRES	Mercury in Fish Tissue	42405
Spectacle Pond	MA96307	Sandwich.	93	ACRES	Mercury in Fish Tissue	42406
Springhill Creek	MA96-87	From railroad crossing northeast of Route 6A, Sandwich to mouth at confluence with Old Harbor Creek, Sandwich.	0.01	SQUARE MILES	Fecal Coliform	42362
Stage Harbor	MA96-11	From outlet Mill Pond, Chatham (includes Mitchell River SARIS# 9661975) to inlet of Nantucket Sound at a line from the southernmost point of Harding Beach southeast to Harding Beach Point, Chatham.	0.56	SQUARE MILES	Fecal Coliform	36772
Stewarts Creek	MA96-94	Estuarine portion west of Stetson Street, Barnstable to mouth at inlet Hyannis Harbor, Barnstable.	0.01	SQUARE MILES	Fecal Coliform	42363
Taylors Pond	MA96-42	Chatham.	0.02	SQUARE MILES	Fecal Coliform	36772
					Nitrogen (Total)	36231
The River	MA96-76	The water landward of an imaginary line drawn between Old Field Point and Namequoit Point including Meetinghouse Pond, and Kescayo Gansett Pond (locally known as "Lonnies Pond"), Orleans (excluding the delineated segments; Namequoit River and Areys Pond).	0.41	SQUARE MILES	Estuarine Bioassessments	33787
					Estuarine Bioassessments	33788
					Estuarine Bioassessments	33789
					Estuarine Bioassessments	33790
					Fecal Coliform	42359
					Nitrogen (Total)	33787
					Nitrogen (Total)	33788
					Nitrogen (Total)	33789
					Nitrogen (Total)	33790
Wakeby Pond	MA96346	Mashpee/Sandwich.	353	ACRES	Mercury in Fish Tissue	33880

Category 4a waters listed alphabetically by major watershed
"TMDL is completed"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	POLLUTANTS ADDRESSED BY TMDL	EPA TMDL NO.
Wequaquet Lake	MA96333	Barnstable.	576	ACRES	(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	33880
West Bay	MA96-65	From south of the Bridge Street bridge, Barnstable outlet to Nantucket Sound including Eel River, Barnstable (excludes Seapuit River).	0.52	SQUARE MILES	Estuarine Bioassessments	33989
Charles						
Beaver Pond	MA72004	Bellingham/Milford.	87	ACRES	Mercury in Fish Tissue	42394
Cedar Swamp Pond	MA72016	locally known as "Milford Pond", Milford.	99	ACRES	(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	42395
					Oxygen, Dissolved	40319
Charles River	MA72-01	Headwaters, outlet Echo Lake, Hopkinton to Dilla Street (just upstream of Cedar Swamp Pond), Milford.	2.5	MILES	(Low flow alterations*)	
					(Other flow regime alterations*)	
					Oxygen, Dissolved	40318
Charles River	MA72-33	From outlet Cedar Swamp Pond, Milford to the Milford WWTF discharge (NPDES: MA0100579), Hopedale (formerly part of segment MA72-02) (two culverted portions totaling approximately 1100 feet (0.21mile)).	2	MILES	(Physical substrate habitat alterations*)	
					Escherichia coli	32364
					Nutrient/Eutrophication Biological Indicators	40317
Cheese Cake Brook	MA72-29	Emerges south of Route 16, Newton to mouth at confluence with the Charles River, Newton.	1.4	MILES	(Alteration in stream-side or littoral vegetative covers*)	
					(Other anthropogenic substrate alterations*)	
					Dissolved oxygen saturation	40317
					Escherichia coli	32380
					Excess Algal Growth	40317
					Phosphorus (Total)	40317
Echo Lake	MA72035	Milford/Hopkinton.	72	ACRES	Mercury in Fish Tissue	33880
Factory Pond	MA72037	Holliston.	10	ACRES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	40319
Franklin Reservoir Northeast	MA72095	Franklin.	21	ACRES	Aquatic Plants (Macrophytes)	40319
					Turbidity	40319
Franklin Reservoir Southwest	MA72032	Franklin.	13	ACRES	Aquatic Plants (Macrophytes)	40319
					Turbidity	40319
Hardys Pond	MA72045	Waltham.	43	ACRES	(Non-Native Aquatic Plants*)	
					Excess Algal Growth	40319
					Phosphorus (Total)	40319
					Turbidity	40319
Houghton Pond	MA72050	Holliston.	17	ACRES	(Non-Native Aquatic Plants*)	
					Excess Algal Growth	40319
					Turbidity	40319
Lake Pearl	MA72092	Wrentham.	237	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	
					Oxygen, Dissolved	40319
Linden Pond	MA72063	Holliston.	1	ACRES	Aquatic Plants (Macrophytes)	40319

Category 4a waters listed alphabetically by major watershed
"TMDL is completed"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	POLLUTANTS ADDRESSED BY TMDL	EPA TMDL NO.
					Turbidity	40319
Lymans Pond	MA72070	Dover.	4	ACRES	Aquatic Plants (Macrophytes)	40319
					Turbidity	40319
Mirror Lake	MA72078	Wrentham/Norfolk.	62	ACRES	(Non-Native Aquatic Plants*)	
					Nutrient/Eutrophication Biological Indicators	40319
					Phosphorus (Total)	40319
					Secchi disk transparency	40319
Rosemary Brook	MA72-25	Headwaters, outlet Rosemary Lake, Needham to mouth at confluence with the Charles River, Wellesley.	3.3	MILES	Oxygen, Dissolved	40317
					Phosphorus (Total)	40317
South Meadow Brook	MA72-24	From emergence west of Parker Street, Newton to mouth at confluence with the Charles River, Newton (three culverted portions totaling approximately 2870 feet (0.54mile)).	1.7	MILES	(Bottom Deposits*)	
					(Debris/Floatables/Trash*)	
					(Physical substrate habitat alterations*)	
					Escherichia coli	32377
					Oxygen, Dissolved	40317
					Phosphorus (Total)	40317
					Turbidity	40317
Uncas Pond	MA72122	Franklin.	17	ACRES	(Non-Native Aquatic Plants*)	
					Oxygen, Dissolved	40319
Unnamed Tributary	MA72-32	Locally known as "Sawins Brook" - emerges east of Elm Street, Watertown to mouth at confluence with the Charles River, Watertown (one culverted portion approximately 360 feet (0.07mile)).	0.5	MILES	Escherichia coli	32382
Chicopee						
Lake Lashaway	MA36079	North Brookfield/East Brookfield.	274	ACRES	(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	33880
Long Pond	MA36083	Springfield.	14	ACRES	Nutrient/Eutrophication Biological Indicators	722
Minechoag Pond	MA36093	Ludlow.	21	ACRES	Nutrient/Eutrophication Biological Indicators	3629
Mona Lake	MA36094	Springfield.	11	ACRES	Nutrient/Eutrophication Biological Indicators	3630
Pottapaug Pond	MA36125	Petersham/Hardwick.	568	ACRES	(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	33880
Quabbin Reservoir	MA36129	Petersham/Pelham/Ware/Hardwick/Shutesbury/Belchertown/New Salem.	24012	ACRES	(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	33880
Quacumquasit Pond	MA36131	Brookfield/East Brookfield/Sturbridge.	223	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	33880
Spectacle Pond	MA36142	Wilbraham.	9	ACRES	Nutrient/Eutrophication Biological Indicators	3631
Sugden Reservoir	MA36150	Spencer.	85	ACRES	Nutrient/Eutrophication Biological Indicators	3633
Wickaboag Pond	MA36166	West Brookfield.	316	ACRES	Turbidity	1332

Category 4a waters listed alphabetically by major watershed
"TMDL is completed"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	POLLUTANTS ADDRESSED BY TMDL	EPA TMDL NO.
Concord (SuAsCo)						
Ashland Reservoir	MA82003	Ashland.	168	ACRES	(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	42396
Boons Pond	MA82011	Stow/Hudson.	174	ACRES	(Non-Native Aquatic Plants*)	
					Excess Algal Growth	2353
					Mercury in Fish Tissue	33880
Nutting Lake	MA82124	[West Basin] Billerica.	51	ACRES	Mercury in Fish Tissue	33880
Sudbury Reservoir	MA82106	Southborough/Marlborough.	1181	ACRES	Mercury in Fish Tissue	33880
Walden Pond	MA82109	Concord.	63	ACRES	Mercury in Fish Tissue	33880
Warners Pond	MA82110	Concord.	59	ACRES	(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	33880
Connecticut						
Lake Warner	MA34098	Hadley.	65	ACRES	(Non-Native Aquatic Plants*)	
					Excess Algal Growth	651
					Oxygen, Dissolved	651
					Phosphorus (Total)	651
					Turbidity	651
Lake Wyola	MA34103	Shutesbury.	124	ACRES	Nutrient/Eutrophication Biological Indicators	653
					Phosphorus (Total)	653
Leverett Pond	MA34042	Leverett.	91	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	
					Nutrient/Eutrophication Biological Indicators	675
Deerfield						
Ashfield Pond	MA33001	Ashfield.	38	ACRES	Mercury in Fish Tissue	42397
Plainfield Pond	MA33017	Plainfield.	60	ACRES	Mercury in Fish Tissue	33880
Farmington						
Otis Reservoir	MA31027	Otis/Tolland/Blandford.	989	ACRES	Mercury in Fish Tissue	33880
French						
Buffumville Lake	MA42005	Charlton/Oxford.	199	ACRES	(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	33880
Dresser Hill Pond	MA42014	Charlton.	8	ACRES	Turbidity	2360
Dutton Pond	MA42015	Leicester.	6	ACRES	Nutrient/Eutrophication Biological Indicators	2354
					Phosphorus (Total)	2354
Gore Pond	MA42018	Dudley/Charlton.	169	ACRES	(Non-Native Aquatic Plants*)	
					Excess Algal Growth	2361
					Oxygen, Dissolved	2361
					Turbidity	2361
Greenville Pond	MA42023	Leicester.	31	ACRES	Turbidity	2355
Hudson Pond	MA42029	Oxford/Sutton.	15	ACRES	(Aquatic Plants (Macrophytes)*)	

Category 4a waters listed alphabetically by major watershed
"TMDL is completed"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	POLLUTANTS ADDRESSED BY TMDL	EPA TMDL NO.
					Nutrient/Eutrophication Biological Indicators	2363
Jones Pond	MA42030	Charlton/Spencer.	30	ACRES	(Aquatic Plants (Macrophytes)*)	
					Nutrient/Eutrophication Biological Indicators	2364
Lowes Pond	MA42034	Oxford.	33	ACRES	Nutrient/Eutrophication Biological Indicators	2366
McKinstry Pond	MA42035	Oxford.	16	ACRES	Nutrient/Eutrophication Biological Indicators	2367
Pikes Pond	MA42044	Charlton.	28	ACRES	Turbidity	2371
Rochdale Pond	MA42048	Leicester.	43	ACRES	Nutrient/Eutrophication Biological Indicators	2356
Wallis Pond	MA42062	Dudley.	24	ACRES	(Aquatic Plants (Macrophytes)*)	
					Nutrient/Eutrophication Biological Indicators	2375
					Oxygen, Dissolved	2375
Housatonic						
Pontoosuc Lake	MA21083	Lanesborough/Pittsfield.	500	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	33880
Stockbridge Bowl	MA21105	Stockbridge.	384	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					Mercury in Fish Tissue	33880
Ipswich						
Hood Pond	MA92025	Ipswich/Topsfield.	68	ACRES	Mercury in Fish Tissue	33880
Mill Pond	MA92041	Burlington.	59	ACRES	Mercury in Fish Tissue	33880
Islands						
Edgartown Great Pond	MA97-17	excluding Jacobs Pond (PALIS# 97038) Edgartown, Martha's Vineyard.	1.35	SQUARE MILES	Estuarine Bioassessments	64380
					Nitrogen (Total)	64380
					Nutrient/Eutrophication Biological Indicators	64380
Farm Pond	MA97-30	Oak Bluffs.	0.05	SQUARE MILES	Estuarine Bioassessments	64662
					Nitrogen (Total)	64662
					Nutrient/Eutrophication Biological Indicators	64662
					Oxygen, Dissolved	64662
Gibbs Pond	MA97028	Nantucket.	34	ACRES	Mercury in Fish Tissue	33880
Hither Creek	MA97-28	From the outlet of Long Pond to Madaket Harbor at an imaginary line drawn easterly from Jackson Point to Little Neck, Nantucket (as of the 2016 reporting cycle this segment includes Madaket Ditch).	0.07	SQUARE MILES	Estuarine Bioassessments	64480
					Nitrogen (Total)	64480
					Nutrient/Eutrophication Biological Indicators	64480
					Oxygen, Dissolved	64480
Lagoon Pond	MA97-11	From Head of the Pond Road to confluence with Vineyard Haven Harbor at Beach Road, Tisbury/Oak	0.82	SQUARE MILES	Estuarine Bioassessments	64583
					Estuarine Bioassessments	64584

Category 4a waters listed alphabetically by major watershed
"TMDL is completed"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	POLLUTANTS ADDRESSED BY TMDL	EPA TMDL NO.
		Bluffs, Martha's Vineyard.			Nitrogen (Total)	64583
					Nitrogen (Total)	64584
					Nutrient/Eutrophication Biological Indicators	64583
					Nutrient/Eutrophication Biological Indicators	64584
					Oxygen, Dissolved	64583
					Oxygen, Dissolved	64584
Miacomet Pond	MA97055	Nantucket.	34	ACRES	Mercury in Fish Tissue	33880
North Head Long Pond	MA97-34	tidally restricted brackish water, Nantucket.	0.07	SQUARE MILES	Nutrient/Eutrophication Biological Indicators	64481
Tom Nevers Pond	MA97097	Nantucket.	11	ACRES	Mercury in Fish Tissue	33880
Trapps Pond	MA97-32	Edgartown.	0.07	SQUARE MILES	Estuarine Bioassessments	65321
					Nitrogen (Total)	65321
					Nutrient/Eutrophication Biological Indicators	65321
					Oxygen, Dissolved	65321
Merrimack						
Forge Pond	MA84015	Westford/Littleton.	203	ACRES	(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	33880
Knops Pond/Lost Lake	MA84084	Groton.	187	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	33880
Locust Pond	MA84031	Tyngsborough.	16	ACRES	Mercury in Fish Tissue	33880
Millers						
Bents Pond	MA35007	Gardner.	6	ACRES	Excess Algal Growth	4115
					Turbidity	4115
Hilchey Pond	MA35029	Gardner.	8	ACRES	Turbidity	4128
Lake Denison	MA35017	Winchendon.	83	ACRES	Mercury in Fish Tissue	33880
					Oxygen, Dissolved	4123
Lake Rohunta	MA35106	(North Basin) Athol/Orange.	34	ACRES	(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	33880
Moores Pond	MA35048	Warwick.	39	ACRES	Mercury in Fish Tissue	42398
Parker Pond	MA35056	Gardner.	32	ACRES	(Aquatic Plants (Macrophytes)*)	
					(Non-Native Aquatic Plants*)	
					Nutrient/Eutrophication Biological Indicators	4134
Reservoir No. 1	MA35063	Athol.	8	ACRES	(Aquatic Plants (Macrophytes)*)	
					Nutrient/Eutrophication Biological Indicators	4137
Upper Naukeag Lake	MA35090	Ashburnham.	305	ACRES	Mercury in Fish Tissue	33880
Upper Reservoir	MA35091	Westminster.	42	ACRES	Mercury in Fish Tissue	33880

Category 4a waters listed alphabetically by major watershed
"TMDL is completed"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	POLLUTANTS ADDRESSED BY TMDL	EPA TMDL NO.
Whites Mill Pond	MA35099	Winchendon.	42	ACRES	(Aquatic Plants (Macrophytes)*)	
					Nutrient/Eutrophication Biological Indicators	4144
Mount Hope Bay (Shore)						
Kickamuit River	MA61-08	Headwaters, outlet Warren Resevoir, Swansea, to state line, Swansea, MA/Warren, RI.	2.8	MILES	Escherichia coli	30702
					Fecal Coliform	30702
Lewin Brook Pond	MA61011	Swansea.	11	ACRES	Mercury in Fish Tissue	33880
North Watuppa Pond	MA61004	Fall River/Westport.	1728	ACRES	Mercury in Fish Tissue	33880
Sawdy Pond	MA61005	Westport/Fall River.	369	ACRES	Mercury in Fish Tissue	42407
Narragansett Bay (Shore)						
Fullers Brook	MA53-12	Headwaters in wetland north of Jacobs Street, Seekonk to confluence with Palmer River, Rehoboth.	1.7	MILES	Escherichia coli	35089
Oak Swamp Brook	MA53-15	Headwaters in Oak Swamp east of School Street, Rehoboth to confluence with Rocky Run, Rehoboth.	3	MILES	Escherichia coli	35091
Palmer River	MA53-03	From Route 6 bridge, Rehoboth to state line, Swansea, MA/Barrington, RI.	0.11	SQUARE MILES	Fecal Coliform	35085
Palmer River	MA53-05	From the Shad Factory Pond dam (NATID: MA00787), Rehoboth to the Route 6 bridge, Rehoboth.	0.09	SQUARE MILES	Fecal Coliform	35087
Rocky Run	MA53-16	Headwaters in wetland east of Simmons Street, Rehoboth to approximately 0.1 mile east of Mason Street, Rehoboth.	8.6	MILES	Escherichia coli	35096
					Fecal Coliform	35096
Rocky Run	MA53-18	approximately 0.1 mile east of Mason Street, Rehoboth to confluence with Palmer River, Rehoboth.	0.003	SQUARE MILES	Fecal Coliform	35096
Torrey Creek	MA53-14	Headwaters in wetland east of Benson Avenue, Seekonk to Barney Avenue, Rehoboth (includes culverted section [approximately 1200 feet] near Seekonk Speedway, Seekonk).	2.1	MILES	(Alteration in stream-side or littoral vegetative covers*)	
					(Habitat Assessment (Streams)*)	
					Escherichia coli	35088
Torrey Creek	MA53-17	From Barney Avenue, Rehoboth to confluence with Palmer River, Rehoboth.	0.004	SQUARE MILES	Fecal Coliform	35088
Warren River Pond	MA53-06	Salt pond in Swansea on MA/RI border (portion in MA only).	0.06	SQUARE MILES	Fecal Coliform	38904
Nashua						
Bare Hill Pond	MA81007	Harvard.	310	ACRES	(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	33880
Hickory Hills Lake	MA81031	Lunenburg.	311	ACRES	Mercury in Fish Tissue	33880
Lake Wampanoag	MA81151	Ashburnham/Gardner.	224	ACRES	Mercury in Fish Tissue	33880
Wachusett Reservoir	MA81147	Boylston/West Boylston/Clinton/Sterling.	3962	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	33880
North Coastal						
Alewife Brook	MA93-46	From Landing Road, Essex to mouth at confluence with Essex River, Essex.	0.01	SQUARE MILES	Fecal Coliform	50121

Category 4a waters listed alphabetically by major watershed
"TMDL is completed"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	POLLUTANTS ADDRESSED BY TMDL	EPA TMDL NO.
Annisquam River	MA93-12	The waters from the Gloucester Harbor side of the Route 127 bridge, Gloucester to Ipswich Bay at an imaginary line drawn from Bald Rocks to Wigwam Point, Gloucester.	0.82	SQUARE MILES	Fecal Coliform	50121
Bass River	MA93-08	From outlet of "lower Shoe Pond" north of Route 62, Beverly to mouth at confluence with Danvers River and Beverly Harbor, Beverley.	0.12	SQUARE MILES	Fecal Coliform	50121
Bennetts Pond Brook	MA93-48	Headwaters east of Lynn Fells Parkway (in Bellevue Golf Course), Melrose to mouth at confluence with Saugus River, Saugus.	2.4	MILES	Escherichia coli	50120
					Fecal Coliform	50120
Beverly Harbor	MA93-20	From the mouth of the Danvers River, Salem/Beverly to an imaginary line from Juniper Point, Salem to Hospital Point, Beverly.	1.02	SQUARE MILES	Fecal Coliform	50122
Causeway Brook	MA93-47	Headwaters, outlet Dexter Pond, Manchester to mouth at confluence with Cat Brook, Manchester.	1.1	MILES	Escherichia coli	50120
					Fecal Coliform	50120
Chebacco Lake	MA93014	Hamilton/Essex.	204	ACRES	(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	33880
Crane Brook	MA93-02	Headwaters, perennial portion east of Route 95, Danvers to mouth at inlet Mill Pond, Danvers.	1.8	MILES	Escherichia coli	50120
					Fecal Coliform	50120
Crane River	MA93-41	From outlet pump house sluiceway, Purchase Street, Danvers to mouth at confluence with Danvers River, Danvers (formerly a portion of MA93-03, includes Crane River Pond formerly MA93017).	0.07	SQUARE MILES	Fecal Coliform	50121
Danvers River	MA93-09	From confluence of Porter, Crane and Waters rivers, Danvers to mouth at confluence with Bass and North rivers and Beverly Harbor, Beverly/Salem.	0.53	SQUARE MILES	Fecal Coliform	50121
Essex Bay	MA93-16	The waters landward of Ipswich Bay contained within an imagiany line drawn from the northwestern tip of Gloucester near Coffins Beach to the southern tip of Castle Neck, Ipswich to the eastern most point of Dilly Island, Essex (mouth of Castle Neck River) and then from Cross Island, Essex to Conomo Point, Essex (mouth of Essex River) excluding Walker, Lanes, and Farm creeks.	0.97	SQUARE MILES	Fecal Coliform	50121
Essex River	MA93-11	Source east of Southern Avenue, Essex to mouth at Essex Bay, Essex.	0.51	SQUARE MILES	Fecal Coliform	50121
Frost Fish Brook	MA93-36	From Cabot Road, Danvers to mouth at confluence with Porter River, Route 62, Danvers.	1	MILES	Escherichia coli	50120
					Fecal Coliform	50120
Hawkes Brook	MA93-32	Headwaters near the Lynn/Lynnfield border to the inlet of Hawkes Pond, Lynnfield.	2.6	MILES	Escherichia coli	50120
					Fecal Coliform	50120
Hawkes Brook	MA93-33	From outlet of Hawkes Pond, Saugus to mouth at confluence with Saugus River, Saugus.	1.1	MILES	(Debris/Floatables/Trash*)	
					Escherichia coli	50120
					Fecal Coliform	50120
Lynn Harbor	MA93-52	The "inner" portion of Lynn Harbor; the waters landward	1.62	SQUAR	Enterococcus	50122

Category 4a waters listed alphabetically by major watershed
"TMDL is completed"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	POLLUTANTS ADDRESSED BY TMDL	EPA TMDL NO.
		of an imaginary line drawn from Black Rock Point, Nahant to the eastern edge of Point of Pines, Revere excluding the Saugus River (formerly a portion of MA93-23).		E MILES	Fecal Coliform	50122
Lynn Harbor	MA93-53	The "outer" portion of Lynn Harbor; the waters landward of an imaginary line drawn from Baileys Hill, Nahant to the eastern point of Winthrop Highlands, Winthrop to the seaward edge of the "inner" portion of Lynn Harbor (at an imaginary line drawn from Black Rock Point, Nahant to the eastern edge of Point of Pines, Revere) (formerly a portion of MA93-23).	6.57	SQUAR E MILES	Fecal Coliform	50122
Manchester Harbor	MA93-19	The waters landward of an imaginary line drawn between Gales Point, Manchester and Chubb Point, Manchester excluding Cat Brook.	0.33	SQUAR E MILES	Enterococcus	50122
					Fecal Coliform	50122
Marblehead Harbor	MA93-22	The waters landward of an imaginary line drawn northwesterly from the northern tip of Marblehead Neck, Marblehead to Fort Sewall, Marblehead.	0.57	SQUAR E MILES	Fecal Coliform	50121
Mill River	MA93-28	Headwaters, outlet Mill Pond, Gloucester to mouth at confluence with Annisquam River, Gloucester.	0.1	SQUAR E MILES	Fecal Coliform	50121
Nahant Bay	MA93-24	The waters landward of an imaginary line drawn between Galloupes Point, Swampscott and East Point, Nahant.	5.12	SQUAR E MILES	Enterococcus	50121
					Fecal Coliform	50121
Pines River	MA93-15	Headwaters east of Route 1, Revere/Saugus to mouth at confluence with the Saugus River and Lynn Harbor, Saugus/Revere (through Seaplane Basin formerly MA93067).	0.58	SQUAR E MILES	Fecal Coliform	50122
Porter River	MA93-04	Headwaters, confluence with Frost Fish Brook, Route 62, Danvers to mouth at confluence with Danvers River, Danvers (includes Porters Pond formerly MA93058).	0.13	SQUAR E MILES	Enterococcus	50121
					Fecal Coliform	50121
Rockport Harbor	MA93-57	Waters landward of an imaginary line from Gully Point, Rockport to Granite Pier, Rockport (including Back Harbor and a portion of Sandy Bay) (includes area formerly reported as segment MA93-17).	0.35	SQUAR E MILES	Fecal Coliform	50122
Salem Sound	MA93-55	Northern portion of Salem Sound, waters landward of and within imaginary lines from Chubb Point, Manchester to Gales Point, Manchester to the northwest point of Bakers Island, Salem to Hospital Point, Beverly (formerly reported as a portion of segment MA93-25 Salem Sound [water body code 93907]).	3.46	SQUAR E MILES	Fecal Coliform	50121

Category 4a waters listed alphabetically by major watershed
"TMDL is completed"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	POLLUTANTS ADDRESSED BY TMDL	EPA TMDL NO.
Salem Sound	MA93-56	Southern portion of Salem Sound, waters landward of and within imaginary lines from Fort Sewall, Marblehead to the Marblehead Lighthouse on Marblehead Neck, Marblehead to the northwest point of Bakers Island, Salem to Naugus Head, Marblehead (formerly a portion of MA93-25 Salem Sound [water body code 93907]).	2.55	SQUARE MILES	Fecal Coliform	50121
Saugus River	MA93-35	From the Lynn Water & Sewer Commission diversion canal, Wakefield/Lynnfield to Saugus Iron Works, Bridge Street, Saugus (formerly part of segment MA93-13).	5.4	MILES	(Alteration in stream-side or littoral vegetative covers*)	
					(Low flow alterations*)	
					Escherichia coli	50120
					Fecal Coliform	50120
Shute Brook	MA93-49	From saltwater wetland downstream of Central Street, Saugus to mouth at confluence with the Saugus River, Saugus.	0.01	SQUARE MILES	Fecal Coliform	50121
Shute Brook	MA93-50	From the confluence of Fiske Brook, Saugus to approximately 350 feet downstream from Central Street, Saugus.	0.9	MILES	Escherichia coli	50120
					Fecal Coliform	50120
Waters River	MA93-01	From west of Route 128, Peabody/Danvers to mouth at confluence with Danvers River and Beverly Harbor, Danvers (includes Waters River Pond formerly MA93088).	0.09	SQUARE MILES	Fecal Coliform	50121
Quinebaug						
East Brimfield Reservoir	MA41014	Brimfield/Sturbridge.	313	ACRES	(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	33880
Holland Pond	MA41022	Holland.	66	ACRES	Mercury in Fish Tissue	33880
Shawsheen						
Kiln Brook	MA83-10	Outlet unnamed pond (in Pine Meadows Country Club), Lexington, to confluence with Shawsheen River, Bedford.	1.5	MILES	Fecal Coliform	2587
Long Meadow Brook	MA83-11	Wetland east of Lexington Street and north of Independence Drive, Burlington, to confluence with Vine Brook, Burlington.	1.3	MILES	Escherichia coli	2587
					Fecal Coliform	2587
Rogers Brook	MA83-04	From outlet of unnamed impoundment upstream of Morton Street, Andover (Prior to 1997 cycle listed as "Headwaters Billerica...") to confluence with Shawsheen River, Andover.	1.3	MILES	(Physical substrate habitat alterations*)	
					Escherichia coli	2587
					Fecal Coliform	2587
Sandy Brook	MA83-13	Headwaters north of Bedford Street and east of Fairfax Street, Burlington to confluence with Vine Brook, Burlington.	1.2	MILES	Escherichia coli	2587
					Fecal Coliform	2587
Shawsheen River	MA83-18	Burlington Water Department's surface water intake, Billerica to the inlet of Ballardvale Impoundment, Andover (formerly part of segment MA83-02, changed for 2004 cycle) (since 2016 cycle: excludes Ballardvale Impoundment, pond segment MA83011).	9.5	MILES	Escherichia coli	2587
					Fecal Coliform	2587

Category 4a waters listed alphabetically by major watershed
"TMDL is completed"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	POLLUTANTS ADDRESSED BY TMDL	EPA TMDL NO.
Shawsheen River	MA83-19	Outlet of Ballardvale Impoundment, Andover to the confluence with the Merrimack River, Lawrence. (Formerly part of segment MA83-02 and all of MA83-03, changed for 2004 cycle).	8.2	MILES	Escherichia coli	2587
					Fecal Coliform	2587
Strong Water Brook	MA83-07	Headwaters northeast of Long Pond, Tewksbury to confluence with Shawsheen River, Tewksbury.	4.9	MILES	Escherichia coli	2587
					Fecal Coliform	2587
Unnamed Tributary	MA83-21	Unnamed intermittent tributary to the Shawsheen River locally known as 'Sutton Brook', from headwaters north of Research Drive, Wilmington to confluence with the Shawsheen River, Tewksbury.	3	MILES	Escherichia coli	2587
South Coastal						
Aaron River Reservoir	MA94178	Cohasset/Hingham/Scituate.	136	ACRES	(Fish-Passage Barrier*)	
					Mercury in Fish Tissue	33880
Bluefish River	MA94-30	Saltmarsh north of Harrison Street, Duxbury to mouth at Duxbury Bay, Duxbury.	0.07	SQUARE MILES	Fecal Coliform	61738
Cohasset Cove	MA94-32	The waters south of a line drawn from the Bassing Beach jetty, Scituate westerly to the opposite shore, Cohasset excluding Baileys Creek and The Gulf.	0.09	SQUARE MILES	Fecal Coliform	61706
					Fecal Coliform	61739
Cohasset Harbor	MA94-01	The waters south of a line drawn from the northwestern point of Scituate Neck, Scituate to just north of Quarry Point, Cohasset not including Cohasset Cove, Cohasset/Scituate.	0.7	SQUARE MILES	Fecal Coliform	61708
Duxbury Bay	MA94-15	The waters north and west of a line from Saquish Head to the tip of Plymouth Beach and from there to High Cliff (includes Kingston Bay), Plymouth excluding Back River and Bluefish River, Duxbury and Jones River, Kingston.	12.7	SQUARE MILES	Fecal Coliform	61735
Ellisville Harbor	MA94-34	east of Ellisville Road, Plymouth.	0.01	SQUARE MILES	Fecal Coliform	61716
Great Herring Pond	MA94050	Bourne/Plymouth.	415	ACRES	Mercury in Fish Tissue	33880
Great South Pond	MA94054	Plymouth.	285	ACRES	Mercury in Fish Tissue	33880
Green Harbor	MA94-11	From the tidegates at Route 139, Marshfield to the mouth of the harbor at Massachusetts Bay/Cape Cod Bay, Marshfield.	0.08	SQUARE MILES	Fecal Coliform	61731
Herring River	MA94-07	Headwaters, outlet Old Oaken Bucket Pond, Scituate to mouth at confluence with North River, Scituate.	0.08	SQUARE MILES	Enterococcus	61727
					Fecal Coliform	61727
Jones River	MA94-14	From dam (NATID: MA00395) at Elm Street, Kingston to mouth at Kingston Bay, Kingston.	0.09	SQUARE MILES	Fecal Coliform	61734
Little Harbor	MA94-20	Cove south of Nichols Road, west of Atlantic Avenue, and north of Cohasset center, Cohasset.	0.24	SQUARE MILES	Fecal Coliform	2586
North River	MA94-06	Route 3A, Marshfield/Scituate to confluence with South River/Massachusetts Bay, Marshfield/Scituate.	0.54	SQUARE MILES	Fecal Coliform	61730

Category 4a waters listed alphabetically by major watershed
"TMDL is completed"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	POLLUTANTS ADDRESSED BY TMDL	EPA TMDL NO.
Scituate Harbor	MA94-02	The waters west of a line across the mouth of Scituate Harbor, from the elbow of the jetty southeast off Lighthouse Point to the jetty northeast of the U.S. Coast Guard Station, Scituate.	0.32	SQUARE MILES	Fecal Coliform	61715
Second Herring Brook	MA94-31	From the Second Herring Brook Pond Dam (NATID: MA02171), Norwell to mouth at confluence with the North River, Norwell.	0.003	SQUARE MILES	Fecal Coliform	61721
South River	MA94-09	From dam near Main Street (Route 3A), Marshfield to mouth at confluence with North River/Massachusetts Bay, Marshfield/Scituate.	0.63	SQUARE MILES	Enterococcus	61728
					Fecal Coliform	61728
The Gulf	MA94-19	Headwaters, outlet Hunters Pond, Scituate to confluence with Cohasset Cove just north of Border Street, Cohasset.	0.13	SQUARE MILES	Fecal Coliform	61710
Taunton						
Assonet River	MA62-20	From Tisdale Pond Dam (NATID: MA03049) (north of Route 79/Elm Street intersection), Freetown to mouth at confluence with the Taunton River, Freetown/Berkley.	0.82	SQUARE MILES	Fecal Coliform	40309
Beaver Brook	MA62-09	Outlet Cleveland Pond, Abington to mouth at confluence with Salisbury Plain River forming headwaters Matfield River, East Bridgewater.	6.8	MILES	Escherichia coli	40308
					Fecal Coliform	40308
Broad Cove	MA62-50	Dighton/Somerset (formerly reported as lake segment MA62022).	0.13	SQUARE MILES	Fecal Coliform	40309
Lake Nippenicket	MA62131	Bridgewater/Raynham.	375	ACRES	(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	33880
Meadow Brook	MA62-38	Headwaters north of Pine Street, Whitman (through Forge Pond, East Bridgewater) to the confluence with the Matfield River, East Bridgewater.	6	MILES	Escherichia coli	40308
					Fecal Coliform	40308
Muddy Cove Brook	MA62-51	From the outlet of the small impoundment behind 333 Main Street (Zeneca Inc.), Dighton to mouth at confluence with the Taunton River, Dighton (formerly part of MA62-23).	0.01	SQUARE MILES	Fecal Coliform	40309
Segreganset River	MA62-55	From approximately 250 feet north of Brook Street, Dighton to mouth at confluence with the Taunton River, Dighton (formerly part of segment MA62-18).	0.02	SQUARE MILES	Fecal Coliform	40309
Somerset Reservoir	MA62174	Somerset.	164	ACRES	Mercury in Fish Tissue	33880
Taunton River	MA62-02	From Route 24 bridge, Taunton/Raynham to Berkley Bridge, Dighton/Berkley.	0.28	SQUARE MILES	Enterococcus	40310
					Fecal Coliform	40310
Three Mile River	MA62-57	From dam (NATID: MA03083) behind 66 South Street (Harodite Finishing Co.), Taunton/Dighton to mouth at confluence with the Taunton River, Taunton/Dighton (formerly part of segment MA62-16).	0.02	SQUARE MILES	Fecal Coliform	40310
Ten Mile						
Whiting Pond	MA52042	North Attleborough/Plainville.	24	ACRES	Mercury in Fish Tissue	33880
Westfield						

Category 4a waters listed alphabetically by major watershed
"TMDL is completed"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	POLLUTANTS ADDRESSED BY TMDL	EPA TMDL NO.
Buckley-Dunton Lake	MA32013	Becket.	154	ACRES	Mercury in Fish Tissue	42411

Category 4b waters
"Impairment controlled by alternative pollution control requirements"

According to the EPA guidance, Category 4b lists waters impaired by one or more pollutants; however, pollution control measures other than TMDLs are expected to attain all designated uses. Massachusetts is not including any waters in Category 4b for the 2016 listing cycle.

Category 4c waters listed alphabetically by major watershed "Impairment not caused by a pollutant – TMDL not required"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT
Blackstone					
Brierly Pond	MA51010	Millbury.	18	ACRES	(Non-Native Aquatic Plants*)
					(Aquatic Plants (Macrophytes)*)
Coes Reservoir	MA51024	Worcester.	87	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
Dark Brook Reservoir	MA51035	[South Basin] Auburn.	58	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
					(Non-Native Aquatic Plants*)
Dark Brook Reservoir	MA51036	[North Basin] Auburn.	171	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
Girard Pond	MA51053	Sutton.	2	ACRES	(Non-Native Aquatic Plants*)
Howe Reservoirs	MA51070	[East Basin] Millbury.	2	ACRES	(Low flow alterations*)
					(Non-Native Aquatic Plants*)
Ironstone Reservoir	MA51074	Uxbridge.	28	ACRES	(Non-Native Aquatic Plants*)
Jenks Reservoir	MA51075	Bellingham.	26	ACRES	(Non-Native Aquatic Plants*)
Mill Pond	MA51104	Upton.	10	ACRES	(Non-Native Aquatic Plants*)
Miscoe Lake	MA51106	Wrentham (size indicates portion in Massachusetts) (entire portion in MA is from 1000 feet upstream of the state line, these interstate surface waters are public water supply in Rhode Island and designated in MA as Class A/PWS/ORW).	5	ACRES	(Non-Native Aquatic Plants*)
Newton Pond	MA51110	Shrewsbury/Boylston.	54	ACRES	(Non-Native Aquatic Plants*)
North Pond	MA51112	Hopkinton/Milford.	231	ACRES	(Non-Native Aquatic Plants*)
Pratt Pond	MA51123	Upton.	40	ACRES	(Non-Native Aquatic Plants*)
Quinsigamond River	MA51-09	Headwaters, outlet Flint Pond, Grafton to confluence with the Blackstone River in Fisherville Pond, Grafton (excluding approximately 0.5 mile through Lake Ripple segment MA51135) (segment includes all of Hovey Pond formerly segment MA51068 and a portion of Fisherville Pond formerly segment MA51048).	5.2	MILES	(Non-Native Aquatic Plants*)
					(Eurasian Water Milfoil, Myriophyllum spicatum*)
Riverlin Street Pond	MA51137	Millbury.	2	ACRES	(Non-Native Aquatic Plants*)
Rivulet Pond	MA51138	Uxbridge.	4	ACRES	(Non-Native Aquatic Plants*)
Sibley Reservoir	MA51148	Sutton.	25	ACRES	(Low flow alterations*)
Silver Lake	MA51150	Bellingham.	42	ACRES	(Non-Native Aquatic Plants*)
Silver Lake	MA51151	Grafton.	25	ACRES	(Low flow alterations*)
Singletary Pond	MA51152	Sutton/Millbury.	341	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
					(Non-Native Aquatic Plants*)
Stevens Pond	MA51159	Sutton.	85	ACRES	(Non-Native Aquatic Plants*)
Swans Pond	MA51164	Sutton/Northbridge.	32	ACRES	(Non-Native Aquatic Plants*)
Taft Pond	MA51165	Upton.	11	ACRES	(Non-Native Aquatic Plants*)
Tinker Hill Pond	MA51167	Auburn.	37	ACRES	(Non-Native Aquatic Plants*)
Tuckers Pond	MA51169	Sutton.	26	ACRES	(Non-Native Aquatic Plants*)
Whitins Pond	MA51180	Northbridge/Sutton.	163	ACRES	(Non-Native Aquatic Plants*)
Boston Harbor: Mystic					

Category 4c waters listed alphabetically by major watershed "Impairment not caused by a pollutant – TMDL not required"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT
Hills Pond	MA71018	Arlington.	2	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
Boston Harbor: Neponset					
Billings Street/East Street Pond	MA73065	Sharon.	2	ACRES	(Non-Native Aquatic Plants*)
Clark Pond	MA73008	Walpole.	7	ACRES	(Non-Native Aquatic Plants*)
Ellis Pond	MA73018	Norwood.	17	ACRES	(Non-Native Aquatic Plants*)
Farrington Pond	MA73040	Stoughton.	3	ACRES	(Non-Native Aquatic Plants*)
Glen Echo Pond	MA73022	Canton/Stoughton.	16	ACRES	(Non-Native Aquatic Plants*)
Jewells Pond	MA73026	Medfield.	4	ACRES	(Non-Native Aquatic Plants*)
Pinewood Pond	MA73039	Stoughton.	25	ACRES	(Aquatic Plants (Macrophytes)*) (Non-Native Aquatic Plants*)
Town Pond	MA73056	Stoughton.	8	ACRES	(Non-Native Aquatic Plants*)
Turner Pond	MA73058	Walpole.	18	ACRES	(Non-Native Aquatic Plants*)
Unnamed Tributary	MA73-34	Headwaters, outlet Clark Pond, Walpole to confluence with Neponset River, Walpole (locally considered part of Spring Brook) (excluding the approximately 0.2 miles through Diamond Pond and the approximately 0.2 miles through Memorial Pond segment MA73012).	0.8	MILES	(Debris/Floatables/Trash*)
Woods Pond	MA73055	Stoughton.	14	ACRES	(Non-Native Aquatic Plants*)
Boston Harbor: Weymouth & Weir					
Accord Brook	MA74-17	From water supply intake (4131000-02S Accord Brook) south of South Pleasant Street, Hingham to mouth at inlet Triphammer Pond, Hingham.	1.8	MILES	(Low flow alterations*)
Sunset Lake	MA74020	Braintree.	58	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
Buzzards Bay					
Federal Pond	MA95055	Carver/Plymouth.	122	ACRES	(Non-Native Aquatic Plants*)
Fresh Meadow Pond	MA95174	Carver/Plymouth.	59	ACRES	(Non-Native Aquatic Plants*)
Mill Pond	MA95105	Wareham.	149	ACRES	(Non-Native Aquatic Plants*)
White Island Pond, East Basin	MA95166	(East Basin) Plymouth/Wareham.	165	ACRES	(Non-Native Aquatic Plants*)
White Island Pond, West Basin	MA95173	(West Basin) Plymouth/Wareham.	123	ACRES	(Non-Native Aquatic Plants*)
Cape Cod					
HAWES RUN	MA96-101	Headwaters outlet small unnamed pond west of Higgins Crowell Road, Yarmouth to mouth at inlet Mill Pond, Yarmouth.	1.7	MILES	(Debris/Floatables/Trash*)
Long Pond	MA96184	Barnstable.	48	ACRES	(Non-Native Aquatic Plants*)
Charles					
Beaver Pond	MA72006	Franklin.	32	ACRES	(Non-Native Aquatic Plants*)
Dug Pond	MA72034	Natick.	50	ACRES	(Non-Native Aquatic Plants*)
Kingsbury Pond	MA72056	Norfolk.	15	ACRES	(Low flow alterations*)
Lake Archer	MA72002	Wrentham.	77	ACRES	(Non-Native Aquatic Plants*)
Lake Waban	MA72125	Wellesley.	109	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)

Category 4c waters listed alphabetically by major watershed "Impairment not caused by a pollutant – TMDL not required"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT
					(Non-Native Aquatic Plants*)
Morses Pond	MA72079	Wellesley/Natick.	112	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
					(Non-Native Aquatic Plants*)
Noannet Pond	MA72084	Westwood/Dover.	50	ACRES	(Non-Native Aquatic Plants*)
Nonesuch Pond	MA72085	Natick/Weston.	39	ACRES	(Non-Native Aquatic Plants*)
Scarboro Golf Course Pond	MA72107	Boston.	6	ACRES	(Non-Native Aquatic Plants*)
Unnamed Tributary	MA72-27	Headwaters, outlet Stony Brook Reservoir, Waltham/Weston to mouth at confluence with the Charles River, Waltham/Weston.	0.2	MILES	(Other flow regime alterations*)
					(Low flow alterations*)
Chicopee					
Beaver Lake	MA36010	Ware.	150	ACRES	(Non-Native Aquatic Plants*)
					(Eurasian Water Milfoil, Myriophyllum spicatum*)
Brooks Pond	MA36023	North Brookfield/New Braintree/Spencer/Oakham.	179	ACRES	(Non-Native Aquatic Plants*)
Dean Pond	MA36049	Brimfield/Monson.	10	ACRES	(Non-Native Aquatic Plants*)
Forest Lake	MA36063	Palmer.	45	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
Hardwick Pond	MA36066	Hardwick.	67	ACRES	(Non-Native Aquatic Plants*)
Long Pond	MA36082	Rutland.	167	ACRES	(Non-Native Aquatic Plants*)
Moosehorn Pond	MA36097	Hubbardston.	67	ACRES	(Non-Native Aquatic Plants*)
Old Reservoir	MA36114	Barre.	37	ACRES	(Other flow regime alterations*)
Turkey Hill Pond	MA36157	Rutland/Paxton.	90	ACRES	(Non-Native Aquatic Plants*)
Concord (SuAsCo)					
Bartlett Pond	MA82007	Northborough.	52	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
					(Non-Native Aquatic Plants*)
Batemans Pond	MA82008	Concord.	25	ACRES	(Non-Native Aquatic Plants*)
Chauncy Lake	MA82017	Westborough.	173	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
Fisk Pond	MA82038	Natick.	62	ACRES	(Non-Native Aquatic Plants*)
Framingham Reservoir #3	MA82046	Framingham.	222	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
Great Meadows Pond #3	MA82053	Concord.	53	ACRES	(Non-Native Aquatic Plants*)
Little Chauncy Pond	MA82070	Northborough.	43	ACRES	(Non-Native Aquatic Plants*)
Meadow Pond	MA82129	Carlisle.	12	ACRES	(Non-Native Aquatic Plants*)
Mill Brook	MA82A-20	Headwaters, outlet Crosby Pond, Concord to mouth at confluence with the Concord River, Concord.	2.7	MILES	(Habitat Assessment (Streams)*)
North Great Meadows	MA82084	Concord.	73	ACRES	(Non-Native Aquatic Plants*)
Rocky Pond	MA82095	Boylston.	62	ACRES	(Non-Native Aquatic Plants*)
Unnamed	MA82A-31	Unnamed tributary to River Meadow Brook, outlet Elm Street	3.7	MILES	(Other flow regime alterations*)

Category 4c waters listed alphabetically by major watershed "Impairment not caused by a pollutant – TMDL not required"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT
Tributary		Pond, Carlisle to mouth at confluence with River Meadow Brook, Chelmsford (through former pond segment MA82096 and excluding approximately 0.4 miles through Meadow Pond, segment MA82129) (formely reported as portion of segment MA82A-21).			(Non-Native Aquatic Plants*)
Winning Pond	MA82123	Billerica.	22	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
Connecticut					
Cranberry Pond	MA34018	Sunderland.	28	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
Ingraham Brook Pond	MA34037	Granby.	5	ACRES	(Non-Native Aquatic Plants*)
Lake Bray	MA34013	Holyoke.	10	ACRES	(Non-Native Aquatic Plants*)
Lake Holland	MA34035	Belchertown.	11	ACRES	(Non-Native Aquatic Plants*)
Lower Mill Pond	MA34048	Easthampton.	30	ACRES	(Non-Native Aquatic Plants*)
Lower Van Horn Park Pond	MA34129	Springfield.	11	ACRES	(Non-Native Aquatic Plants*)
Oxbow Cutoff	MA34067	The water body north of Island Road and south of Oxbow Road (between Routes 91and 5), Northampton.	49	ACRES	(Non-Native Aquatic Plants*)
Whiting Street Reservoir	MA34101	Holyoke.	102	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
Deerfield					
Deerfield River	MA33-01	Outlet Sherman Reservoir Monroe/Rowe, to confluence with Cold River, Charlemont (through former segment, Lower Reservoir MA33028).	13.1	MILES	(Other flow regime alterations*)
JOHNSON BROOK	MA33-131	Headwaters, west of Route 112 (Main Road) and northeast at Houghton Hill, Colrain to the mouth at confluence with North River, Colrain.	1.4	MILES	(Low flow alterations*)
Farmington					
Benton Pond	MA31003	Otis.	61	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
Noyes Pond	MA31026	Tolland.	166	ACRES	(Non-Native Aquatic Plants*)
French					
Bouchard Pond	MA42003	Leicester.	2	ACRES	(Non-Native Aquatic Plants*)
Buffum Pond	MA42004	Charlton/Oxford.	23	ACRES	(Non-Native Aquatic Plants*)
Cedar Meadow Pond	MA42009	Leicester.	140	ACRES	(Non-Native Aquatic Plants*)
Granite Reservoir	MA42019	Charlton.	207	ACRES	(Non-Native Aquatic Plants*)
Larner Pond	MA42068	Dudley.	27	ACRES	(Aquatic Plants (Macrophytes)*) (Non-Native Aquatic Plants*)
Low Pond	MA42033	Dudley.	4	ACRES	(Non-Native Aquatic Plants*)
Mosquito Pond	MA42060	Dudley.	11	ACRES	(Aquatic Plants (Macrophytes)*)
Packard Pond	MA42040	Dudley.	6	ACRES	(Non-Native Aquatic Plants*)
Pierpoint Meadow Pond	MA42043	Dudley/Charlton.	95	ACRES	(Non-Native Aquatic Plants*)
Sargent Pond	MA42049	Leicester.	65	ACRES	(Non-Native Aquatic Plants*)

Category 4c waters listed alphabetically by major watershed "Impairment not caused by a pollutant – TMDL not required"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT
Shepherd Pond	MA42051	Dudley.	16	ACRES	(Aquatic Plants (Macrophytes)*)
Housatonic					
Ashmere Lake	MA21005	Hinsdale/Peru.	294	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
Goose Pond	MA21043	Lee/Tyringham.	238	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
					(Non-Native Aquatic Plants*)
Greenwater Pond	MA21044	Becket.	89	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
Hubbard Brook	MA21-15	Headwaters, northwest of Townhouse Hill Road, Egremont to mouth at confluence with the Housatonic River, Sheffield (thru Mill Pond formerly reported as segment MA21068).	9.4	MILES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
					(Non-Native Aquatic Plants*)
KARNER BROOK	MA21-38	Headwaters, perennial portion east of East Street, Mount Washington to the Karner Brook Reservoir intake, Egremont (formerly part of segment MA21-16).	2.3	MILES	(Low flow alterations*)
KARNER BROOK	MA21-39	From the Karner Brook Reservoir intake, Egremont to mouth at inlet Mill Pond, Egremont (formerly part of segment MA21-16).	2.3	MILES	(Low flow alterations*)
Lake Averic	MA21006	Stockbridge.	42	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
Long Pond	MA21062	Great Barrington.	114	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
Long Pond Brook	MA21-14	Headwaters, outlet Long Pond, Great Barrington to mouth at confluence with Seekonk Brook, Great Barrington.	2	MILES	(Low flow alterations*)
Mansfield Pond	MA21065	Great Barrington.	28	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
					(Non-Native Aquatic Plants*)
Onota Lake	MA21078	Pittsfield.	662	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
					(Non-Native Aquatic Plants*)
Plunkett Reservoir	MA21082	Hinsdale.	72	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
					(Non-Native Aquatic Plants*)
Prospect Lake	MA21084	Egremont.	59	ACRES	(Non-Native Aquatic Plants*)
Richmond Pond	MA21088	Richmond/Pittsfield.	228	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
					(Non-Native Aquatic Plants*)
Shaker Mill Pond	MA21094	West Stockbridge.	27	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
					(Non-Native Aquatic Plants*)
Stevens Pond	MA21104	Monterey.	39	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
					(Non-Native Aquatic Plants*)
Thousand Acre Pond	MA21106	New Marlborough.	145	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)

Category 4c waters listed alphabetically by major watershed "Impairment not caused by a pollutant – TMDL not required"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT
Unnamed Tributary	MA21-31	Unnamed tributary to the Housatonic River, locally known as "Laurel Brook", headwaters, outlet Laurel Lake, Lee to mouth at confluence with the Housatonic River, Lee.	0.8	MILES	(Zebra mussel, Dreissena polymorph*)
Upper Goose Pond	MA21110	Lee/Tyringham.	55	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
Willard Brook	MA21-30	Headwaters north of Salisbury Road, Sheffield to mouth at confluence with Hubbard Brook, Sheffield.	4	MILES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
Windsor Brook	MA21-09	Headwaters, southeast of Fobes Hill (west of Savoy Hollow Road), Windsor to mouth at inlet Windsor Reservoir, Hinsdale.	6.1	MILES	(Low flow alterations*)
Hudson: Hoosic					
Berkshire Pond	MA11001	Lanesborough.	21	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
Cheshire Reservoir, Middle Basin	MA11018	[Middle Basin] Cheshire/Lanesborough.	186	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
					(Non-Native Aquatic Plants*)
Hoosic River	MA11-04	Adams WWTP discharge (NPDES: MA0100315), Adams to confluence with North Branch Hoosic River, North Adams.	5.4	MILES	(Alteration in stream-side or littoral vegetative covers*)
					(Other flow regime alterations*)
Paull Brook	MA11-20	Headwaters, outlet of Mt. Williams Reservoir, North Adams to mouth at confluence with unnamed tributary, Williamstown.	2.1	MILES	(Low flow alterations*)
Tophet Brook	MA11-19	Source west of Burnett Road, Savoy (in the Savoy Mountain State Forest) to mouth at confluence with the Hoosic River, Adams.	6.2	MILES	(Alteration in stream-side or littoral vegetative covers*)
					(Other flow regime alterations*)
Ipswich					
Field Pond	MA92019	Andover.	57	ACRES	(Non-Native Aquatic Plants*)
Lower Four Mile Pond	MA92032	Boxford.	18	ACRES	(Non-Native Aquatic Plants*)
Stevens Pond	MA92062	Boxford.	11	ACRES	(Non-Native Aquatic Plants*)
Merrimack					
Cobbler Brook	MA84A-22	Headwaters, Merrimac to confluence with Merrimack River, Merrimac.	4.4	MILES	(Debris/Floatables/Trash*)
Lake Mascuppic	MA84037	Tyngsborough/Dracut.	210	ACRES	(Non-Native Aquatic Plants*)
Millers					
Bourn-Hadley Pond	MA35008	Templeton.	26	ACRES	(Aquatic Plants (Macrophytes)*)
Brazell Pond	MA35010	Templeton.	15	ACRES	(Aquatic Plants (Macrophytes)*)
Depot Pond	MA35018	(Railroad Pond) Templeton.	15	ACRES	(Aquatic Plants (Macrophytes)*)
Ellis Pond	MA35023	Athol.	88	ACRES	(Aquatic Plants (Macrophytes)*)
					(Eurasian Water Milfoil, Myriophyllum spicatum*)
					(Non-Native Aquatic Plants*)
Greenwood Pond	MA35026	Templeton.	12	ACRES	(Aquatic Plants (Macrophytes)*)
South Athol Pond	MA35078	Athol.	83	ACRES	(Aquatic Plants (Macrophytes)*)
					(Non-Native Aquatic Plants*)
Stoddard Pond	MA35083	Winchendon.	52	ACRES	(Aquatic Plants (Macrophytes)*)
White Pond	MA35098	Athol.	63	ACRES	(Non-Native Aquatic Plants*)

Category 4c waters listed alphabetically by major watershed "Impairment not caused by a pollutant – TMDL not required"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT
Mount Hope Bay (Shore)					
Cole River	MA61-03	Wood Street, Swansea to Route 6, Swansea.	1.6	MILES	(Fish-Passage Barrier*)
Nashua					
Chaffin Pond	MA81017	Holden.	90	ACRES	(Non-Native Aquatic Plants*)
Dawson Pond	MA81028	Holden.	22	ACRES	(Non-Native Aquatic Plants*)
Eagle Lake	MA81034	Holden.	56	ACRES	(Non-Native Aquatic Plants*)
Flannagan Pond	MA81044	Ayer.	80	ACRES	(Non-Native Aquatic Plants*)
Lake Samoset	MA81116	Leominster.	35	ACRES	(Non-Native Aquatic Plants*)
Lake Whalom	MA81154	Lunenburg/Leominster.	97	ACRES	(Non-Native Aquatic Plants*) (Eurasian Water Milfoil, Myriophyllum spicatum*)
Paradise Pond	MA81097	Princeton.	61	ACRES	(Non-Native Aquatic Plants*)
Quinapoxet River	MA81-32	Headwaters, outlet Quinapoxet Reservoir, Holden to mouth at inlet Wachusett Reservoir (Thomas Basin), West Boylston.	7.9	MILES	(Low flow alterations*)
Robbins Pond	MA81111	Harvard.	11	ACRES	(Non-Native Aquatic Plants*)
Sawmill Pond	MA81118	Fitchburg/Westminster.	65	ACRES	(Non-Native Aquatic Plants*)
Stuart Pond	MA81137	Sterling.	42	ACRES	(Non-Native Aquatic Plants*)
Stump Pond	MA81171	Holden.	27	ACRES	(Non-Native Aquatic Plants*)
Unionville Pond	MA81143	Holden.	19	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
White Pond	MA81155	Lancaster/Leominster.	47	ACRES	(Non-Native Aquatic Plants*)
Wyman Pond	MA81161	Westminster.	198	ACRES	(Non-Native Aquatic Plants*)
North Coastal					
Cedar Pond	MA93013	Peabody.	34	ACRES	(Non-Native Aquatic Plants*)
Days Pond	MA93092	Gloucester.	0.5	ACRES	(Non-Native Aquatic Plants*)
Edgewater Office Park Pond	MA93094	Wakefield.	15	ACRES	(Non-Native Aquatic Plants*)
First Pond	MA93081	Saugus (also known as Upper Griswold Pond).	4	ACRES	(Non-Native Aquatic Plants*)
Griswold Pond	MA93029	Saugus.	13	ACRES	(Non-Native Aquatic Plants*)
Sluice Pond	MA93071	Lynn.	42	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
Spring Pond	MA93072	Saugus.	8	ACRES	(Non-Native Aquatic Plants*)
Swains Pond	MA93095	Melrose.	3	ACRES	(Non-Native Aquatic Plants*)
Parker					
Parker River	MA91-01	Source north of Silver Mine Road, Boxford to Central Street, Newbury (excluding Sperry Pond segment MA91013, Rock Pond segment MA91012, Pentucket Pond segment MA91010, and Crane Pond segment MA91004).	12.3	MILES	(Low flow alterations*)
State Street Pond	MA91014	Newburyport.	4	ACRES	(Non-Native Aquatic Plants*)
Quinebaug					
Cedar Pond	MA41008	Sturbridge.	149	ACRES	(Non-Native Aquatic Plants*)
Hamilton Reservoir	MA41019	Holland (size indicates portion in Massachusetts).	386	ACRES	(Non-Native Aquatic Plants*)
Mill Brook	MA41-07	From inlet of Mill Road Pond (formerly pond segment MA41032), Brimfield to mouth at confluence with Quinebaug River, Brimfield.	4.7	MILES	(Non-Native Aquatic Plants*)
Railroad Pond	MA41058	Charlton.	7	ACRES	(Non-Native Aquatic Plants*)

Category 4c waters listed alphabetically by major watershed "Impairment not caused by a pollutant – TMDL not required"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT
Sherman Pond	MA41046	Brimfield.	76	ACRES	(Non-Native Aquatic Plants*)
Sylvestri Pond	MA41049	Dudley.	30	ACRES	(Non-Native Aquatic Plants*)
Walker Pond	MA41052	Sturbridge.	104	ACRES	(Non-Native Aquatic Plants*)
Shawsheen					
Gravel Pit Pond	MA83007	Andover (Hussey Brook Pond East).	5	ACRES	(Non-Native Aquatic Plants*)
South Coastal					
Beaver Dam Pond	MA94006	Plymouth.	29	ACRES	(Non-Native Aquatic Plants*)
Black Mountain Pond	MA94009	Marshfield.	17	ACRES	(Non-Native Aquatic Plants*)
Briggs Reservoir	MA94019	Plymouth.	24	ACRES	(Non-Native Aquatic Plants*)
Briggs Reservoir	MA94020	Plymouth.	17	ACRES	(Non-Native Aquatic Plants*)
Cooks Pond	MA94027	Plymouth.	21	ACRES	(Non-Native Aquatic Plants*)
EEL RIVER	MA94-37	Headwaters (restored), southeast of College Pond Road, Plymouth to inlet Russell Millpond, Plymouth (formerly reported as portion of segment MA94-23).	1.1	MILES	(Fish-Passage Barrier*) (Non-Native Aquatic Plants*)
EEL RIVER	MA94-38	From outlet Russell Millpond, Plymouth to mouth at Plymouth Harbor, Plymouth (formerly reported as portion of segment MA94-23).	2.7	MILES	(Fish-Passage Barrier*) (Non-Native Aquatic Plants*)
Herring Brook	MA94-29	Headwaters, outlet Lily Pond, Cohasset to mouth at confluence with Aaron River, Cohasset.	0.3	MILES	(Non-Native Aquatic Plants*) (Fish-Passage Barrier*)
Island Creek Pond	MA94073	Duxbury.	40	ACRES	(Non-Native Aquatic Plants*)
Island Pond	MA94075	[locally known as Great Island Pond] Plymouth.	80	ACRES	(Non-Native Aquatic Plants*)
Jacobs Pond	MA94077	Norwell.	61	ACRES	(Non-Native Aquatic Plants*)
Long Island Pond	MA94088	Plymouth.	33	ACRES	(Non-Native Aquatic Plants*)
Lorings Bogs Pond	MA94089	Duxbury.	33	ACRES	(Non-Native Aquatic Plants*)
Lower Chandler Pond	MA94091	Duxbury/Pembroke.	37	ACRES	(Non-Native Aquatic Plants*)
Pembroke Street South Pond	MA94117	Kingston.	6	ACRES	(Non-Native Aquatic Plants*)
Reeds Millpond	MA94126	Kingston.	6	ACRES	(Non-Native Aquatic Plants*)
Reservoir	MA94127	Pembroke.	16	ACRES	(Other flow regime alterations*)
Silver Lake	MA94143	Pembroke/Plympton/Kingston.	616	ACRES	(Other flow regime alterations*)
Smelt Pond	MA94184	Kingston.	45	ACRES	(Non-Native Aquatic Plants*)
Torrey Pond	MA94157	Norwell.	19	ACRES	(Non-Native Aquatic Plants*)
Upper Chandler Pond	MA94165	Duxbury/Pembroke.	8	ACRES	(Non-Native Aquatic Plants*)
Taunton					
Brockton Reservoir	MA62023	Avon.	89	ACRES	(Non-Native Aquatic Plants*)
Carver Pond	MA62033	Bridgewater.	29	ACRES	(Non-Native Aquatic Plants*)
Cleveland Pond	MA62042	Abington.	98	ACRES	(Non-Native Aquatic Plants*)
Crocker Pond	MA62051	Wrentham.	17	ACRES	(Non-Native Aquatic Plants*)
Cushing Pond	MA62056	Abington.	6	ACRES	(Non-Native Aquatic Plants*)
East Freetown Pond	MA62063	Freetown.	11	ACRES	(Non-Native Aquatic Plants*)

Category 4c waters listed alphabetically by major watershed "Impairment not caused by a pollutant – TMDL not required"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT
Fuller Street Pond	MA62234	Middleborough/Carver (formerly reported as MA95058).	20	ACRES	(Non-Native Aquatic Plants*)
Gavins Pond	MA62077	Sharon/Foxborough.	18	ACRES	(Non-Native Aquatic Plants*)
Gushee Pond	MA62084	Raynham.	27	ACRES	(Non-Native Aquatic Plants*)
Johnson Pond	MA62097	Raynham.	14	ACRES	(Non-Native Aquatic Plants*)
Lake Mirimichi	MA62118	Plainville/Foxborough.	175	ACRES	(Non-Native Aquatic Plants*)
Lake Rico	MA62148	Taunton.	188	ACRES	(Non-Native Aquatic Plants*)
Long Pond	MA62108	Lakeville/Freetown.	1728	ACRES	(Non-Native Aquatic Plants*)
Longwater Pond	MA62109	Easton.	8	ACRES	(Non-Native Aquatic Plants*)
Lower Porter Pond	MA62111	Brockton.	8	ACRES	(Non-Native Aquatic Plants*)
Middle Pond	MA62115	Taunton.	26	ACRES	(Non-Native Aquatic Plants*)
Mill River	MA62-29	Headwaters, outlet Lake Sabbatia, Taunton to mouth at confluence with the Taunton River, Taunton (through Whittenton Impoundment, formerly segment MA62228).	4.2	MILES	(Non-Native Aquatic Plants*)
Mount Hope Mill Pond	MA62122	Taunton/Dighton (includes Three Mile River Impoundment formerly reported as MA62231).	45	ACRES	(Non-Native Aquatic Plants*)
Muddy Pond	MA62125	Carver.	61	ACRES	(Non-Native Aquatic Plants*)
New Pond	MA62130	Easton.	18	ACRES	(Non-Native Aquatic Plants*)
QUESET BROOK	MA62-67	Headwaters, outlet Ames Long Pond, Easton to inlet Longwater Pond, Easton (through Shovelshop Pond formerly segment MA62172) (formely part of segment MA62-21).	1.5	MILES	(Non-Native Aquatic Plants*)
Richmond Pond	MA62159	Taunton.	6	ACRES	(Non-Native Aquatic Plants*)
Savery Pond	MA62167	Middleborough.	24	ACRES	(Non-Native Aquatic Plants*)
Segreganset River	MA62-53	Source in wetland north of Glebe Street, Taunton to the Montaup Pond Dam (NATID: MA02104), Dighton (formerly part of segment MA62-18) (through Segreganset River Ponds formerly segment MA62169) .	7.8	MILES	(Low flow alterations*)
Segreganset River	MA62-54	From Montaup Pond Dam (NATID: MA02104), Dighton to approximately 250 feet north of Brook Street, Dighton (formerly part of segment MA62-18).	0.3	MILES	(Low flow alterations*)
Thirtyacre Pond	MA62190	Brockton.	26	ACRES	(Non-Native Aquatic Plants*)
Turnpike Lake	MA62198	Plainville.	99	ACRES	(Non-Native Aquatic Plants*)
Upper Porter Pond	MA62200	Brockton.	11	ACRES	(Non-Native Aquatic Plants*)
WADING RIVER	MA62-60	From Balcolm Street, Mansfield to inlet Barrowswille Pond, Norton (through Sweets Pond formerly segment MA62185) (formerly part of segment MA62-49 and MA62-17 (2004)).	5.8	MILES	(Non-Native Aquatic Plants*)
Waldo Lake	MA62201	Avon/Brockton.	72	ACRES	(Non-Native Aquatic Plants*)
West Meadow Pond	MA62208	West Bridgewater.	104	ACRES	(Non-Native Aquatic Plants*)
Winnecunnet Pond	MA62213	Norton.	150	ACRES	(Non-Native Aquatic Plants*)
Ten Mile					
Falls Pond, South Basin	MA52014	North Attleborough.	50	ACRES	(Non-Native Aquatic Plants*)
Orrs Pond	MA52029	Attleboro.	58	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
Westfield					

Category 4c waters listed alphabetically by major watershed "Impairment not caused by a pollutant – TMDL not required"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT
Blair Pond	MA32009	Blandford.	69	ACRES	(Non-Native Aquatic Plants*)
Center Pond	MA32015	Becket.	114	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)
Congamond Lakes	MA32023	[South Basin] Southwick.	144	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
Blackstone						
Aldrich Pond	MA51002	Sutton.	2	ACRES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	
Arcade Pond	MA51003	Northbridge.	20	ACRES	(Non-Native Aquatic Plants*)	
					Excess Algal Growth	
Arnolds Brook	MA51-32	Headwaters, perennial portion, from outlet of unnamed pond at Whitehall Way, Bellingham to mouth at confluence with Peters River, Bellingham.	1.7	MILES	Escherichia coli	
Beaver Brook	MA51-07	Outlet of small unnamed impoundment north of Beth Israel School and Flag Street School, Worcester to mouth at confluence with Middle River, Worcester (includes underground portion).	2.9	MILES	(Fish Kills*)	
					(Physical substrate habitat alterations*)	
					Bottom Deposits	
					Escherichia coli	
Blackstone River	MA51-03	Confluence of Middle River and Mill Brook (downstream of the railroad spur bridge west of Tobias Boland Way), Worcester to Fisherville Pond Dam (NATID: MA00577), Grafton (through a portion of Fisherville Pond formerly segment MA51048).	10.4	MILES	(Debris/Floatables/Trash*)	
					(Other flow regime alterations*)	
					(Physical substrate habitat alterations*)	
					Ambient Bioassays -- Chronic Aquatic Toxicity	
					Aquatic Macroinvertebrate Bioassessments	
					Escherichia coli	
					Excess Algal Growth	
					Fishes Bioassessments	
					Foam/Flocs/Scum/Oil Slicks	
					Lead	
					Nutrient/Eutrophication Biological Indicators	
					Other (Priority Organics)	
					Oxygen, Dissolved	
					Phosphorus (Total)	
					Sedimentation/Siltation	
					Taste and Odor	
					Turbidity	
Blackstone River	MA51-04	From Fisherville Pond Dam (NATID: MA00577), Grafton to Rice City Pond Dam (NATID: MA00935), Uxbridge (through Riverdale Impoundment formerly segment MA51136 and Rice City Pond formerly segment MA51131).	8.8	MILES	(Aquatic Plants (Macrophytes)*)	
					(Non-Native Aquatic Plants*)	
					(Other flow regime alterations*)	
					(Physical substrate habitat alterations*)	
					Aquatic Macroinvertebrate Bioassessments	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
					Cadmium	
					Copper	
					DDT in Fish Tissue	
					Escherichia coli	
					Excess Algal Growth	
					Fishes Bioassessments	
					Lead	
					Nutrient/Eutrophication Biological Indicators	
					PCB in Fish Tissue	
					Phosphorus (Total)	
					Sedimentation/Siltation	
					Taste and Odor	
					Turbidity	
Blackstone River	MA51-05	From outlet Rice City Pond Dam (NATID: MA00935), Uxbridge to the most downstream railroad trestle crossing, Millville.	9.1	MILES	(Aquatic Plants (Macrophytes)*)	
					(Non-Native Aquatic Plants*)	
					(Other flow regime alterations*)	
					Aquatic Macroinvertebrate Bioassessments	
					Cadmium	
					Copper	
					Escherichia coli	
					Excess Algal Growth	
					Lead	
					Nutrient/Eutrophication Biological Indicators	
					Phosphorus (Total)	
					Polychlorinated biphenyls	
					Taste and Odor	
					Total Suspended Solids (TSS)	
					Turbidity	
Blackstone River	MA51-06	From the most downstream railroad trestle crossing, Millville to the Rhode Island border west of Route 122, Blackstone.	3.8	MILES	(Other flow regime alterations*)	
					Cadmium	
					Copper	
					DDT in Fish Tissue	
					Escherichia coli	
					Lead	
					PCB in Fish Tissue	
					Phosphorus (Total)	
					Total Suspended Solids (TSS)	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
Burncoat Park Pond	MA51012	Worcester.	6	ACRES	Aquatic Plants (Macrophytes)	
					Turbidity	
Cedar Swamp Brook	MA51-33	Headwaters, outlet Cedar Swamp, Uxbridge to mouth at confluence with Chockalog River, Douglas.	0.8	MILES	Fishes Bioassessments	
Coal Mine Brook	MA51-27	Headwaters, perennial portion, west of Plantation Street, Worcester to mouth at inlet Lake Quinsigamond, Worcester.	0.4	MILES	(Fish Kills*)	
					Escherichia coli	
					Fishes Bioassessments	
					Sedimentation/Siltation	
					Temperature, water	
Cook Allen Brook	MA51-28	Headwaters, outlet Reservoir No. 5, Sutton to mouth at inlet Whitins Pond, Northbridge (excluding approximately 0.2 mile through Reservoir No. 4, segment MA51128).	2	MILES	Fishes Bioassessments	
CRONIN BROOK	MA51-45	Headwaters, perennial portion west of Potter Hill Road, Grafton to mouth at confluence with the Blackstone River, Grafton.	2.6	MILES	Escherichia coli	
Dark Brook	MA51-16	Headwaters, outlet Eddy Pond, Auburn to mouth at confluence with Kettle Brook, Auburn (through Auburn Pond formerly segment MA51004).	2.5	MILES	(Non-Native Aquatic Plants*)	
					Aquatic Macroinvertebrate Bioassessments	
					Chloride	
					Escherichia coli	
Fish Pond	MA51047	Northbridge.	8	ACRES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	
FOX BROOK	MA51-39	Headwaters, perennial portion, northeast of Thayer Street, Millville to mouth at confluence with the Blackstone River, Blackstone (excluding 0.1 mile through Crane Pond segment MA51030).	3.4	MILES	Escherichia coli	
Hayes Pond	MA51060	Grafton.	5	ACRES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	
Kettle Brook	MA51-01	Outlet Kettle Brook Reservoir #1, Leicester to inlet Leesville Pond, Auburn (excluding the approximately 0.4 miles through Waite Pond segment MA51170) (through former segments: City Pond MA51021, Smiths Pond MA51156, and Stoneville Pond MA51160).	7	MILES	(Low flow alterations*)	
					(Non-Native Aquatic Plants*)	
					Aquatic Macroinvertebrate Bioassessments	
					Escherichia coli	
					Fecal Coliform	
					Nutrient/Eutrophication Biological Indicators	
Lake Quinsigamond	MA51125	Shrewsbury/Worcester.	474	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	
					Enterococcus	
					Excess Algal Growth	644
					Oxygen, Dissolved	644
Lake Ripple	MA51135	Grafton.	47	ACRES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
Manchaug Pond	MA51091	Douglas/Sutton.	364	ACRES	(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	42392
					Oxygen, Dissolved	
Marble Pond	MA51093	Sutton.	8	ACRES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	
Middle River	MA51-02	Headwaters, outlet Coes Pond, Worcester to confluence with the unnamed tributary locally known as "Mill Brook" (downstream of the railroad spur bridge west of Tobias Boland Way), Worcester (through Middle River Pond formerly segment MA51101).	3.4	MILES	(Debris/Floatables/Trash*)	
					(Physical substrate habitat alterations*)	
					Aquatic Macroinvertebrate Bioassessments	
					Escherichia coli	
					Nutrient/Eutrophication Biological Indicators	
					Other (Unspecified Metals)	
					Turbidity	
Mill River	MA51-35	Headwaters, outlet North Pond, Milford/Upton to Mendon/Blackstone corporate boundary (through former segments Fiske Millpond MA51049, Mill Pond MA51102, Hopedale Pond MA51065 and Spindleville Pond MA51158) (formerly part of segment MA51-10).	11.8	MILES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	
					Other (Unspecified Metals)	
					PCB in Fish Tissue	
Mill River	MA51-36	From Mendon/Blackstone corporate boundary to 1000 feet upstream of the Rhode Island border, Blackstone (through former segment Harris Pond MA51058) (formerly part of segment MA51-10) (the lower 1000 feet represents "All Interstate surface waters that are public water supply in Rhode Island from 1000 feet upstream of the State Line" which are designated as Class A/PWS/ORW in 314CMR4.00, January 2007).	4.1	MILES	(Non-Native Aquatic Plants*)	
					Escherichia coli	
					Other (Unspecified Metals)	
MUDDY BROOK	MA51-40	Headwaters, outlet small unnamed pond north of Nipmuc Regional High School, Mendon to mouth at confluence with Mill River, Mendon.	5.1	MILES	Escherichia coli	
Mumford River	MA51-14	From Douglas WWTP discharge (NPDES: MA0101095), Douglas to mouth at confluence with Blackstone River, Uxbridge (through former segments: Gilboa Pond MA51052, Lackey Pond MA51083, Meadow Pond MA51193, Linwood Pond MA51088, Whitin Pond MA51178, and Caprons Pond MA51014).	9.4	MILES	(Low flow alterations*)	
					(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	
					Copper	
					Lead	
Number 1 Pond	MA51114	Sutton.	9	ACRES	Aquatic Plants (Macrophytes)	
					Turbidity	
Peters River	MA51-18	Headwaters, outlet Silver Lake, Bellingham to Rhode Island border east of Route 126, Bellingham.	4	MILES	Copper	
					Escherichia coli	
					Lead	
Poor Farm Brook	MA51-17	Headwaters, West Boylston to the inlet of Shirley Street Pond, Shrewsbury (through City Farm Pond formerly segment MA51020).	3.6	MILES	(Low flow alterations*)	
					Aquatic Plants (Macrophytes)	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
					Escherichia coli	
					Sedimentation/Siltation	
Riley Pond	MA51134	Northbridge.	7	ACRES	Turbidity	
Singletary Brook	MA51-31	Headwaters, outlet Singletary Pond, Millbury to mouth at confluence with the Blackstone River, Millbury (excluding the approximately 0.4 miles through Brierly Pond segment MA51010).	1.5	MILES	(Non-Native Aquatic Plants*)	
					Escherichia coli	
Sutton Falls	MA51163	Sutton.	11	ACRES	Harmful Algal Bloom	
					Turbidity	
Tatnuck Brook	MA51-15	From outlet Holden Reservoir #2, Holden to inlet Coes Reservoir, Worcester (through Cook Pond formerly segment MA51027 and Patch Reservoir formerly segment MA51118).	3.3	MILES	(Non-Native Aquatic Plants*)	
					(Other flow regime alterations*)	
					Aquatic Macroinvertebrate Bioassessments	
					Escherichia coli	
					Sedimentation/Siltation	
Unnamed Tributary	MA51-08	(Also known as "Mill Brook") Headwaters, outlet Indian Lake, Worcester to mouth at confluence with Middle River (downstream of the railroad spur bridge west of Tobias Boland Way), Worcester (through Salisbury Pond formerly segment MA51142).	5.6	MILES	(Debris/Floatables/Trash*)	
					(Physical substrate habitat alterations*)	
					Ammonia (Un-ionized)	
					Escherichia coli	
					Fecal Coliform	
					Foam/Flocs/Scum/Oil Slicks	
					Nutrient/Eutrophication Biological Indicators	
					Other (Unspecified Metals and Priority Organics)	
					Sedimentation/Siltation	
					Taste and Odor	
					Turbidity	2319
Unnamed Tributary	MA51-20	From the outlet of Leesville Pond, Worcester to the confluence with Middle River, Worcester (through Curtis ponds formerly reported as segments MA51033 and MA51032).	1.4	MILES	(Debris/Floatables/Trash*)	
					(Low flow alterations*)	
					(Non-Native Aquatic Plants*)	
					Nutrient/Eutrophication Biological Indicators	
					Sedimentation/Siltation	
Unnamed Tributary	MA51-38	Unnamed tributary to Dark Brook, from perennial portion near the Route 90, 290EB, 395SB, 12NB interchange, Auburn to mouth at confluence with the Dark Brook south of Water Street, Auburn (sections culverted).	0.8	MILES	Chloride	
Welsh Pond	MA51176	Sutton.	8	ACRES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	
West River	MA51-11	Headwaters, outlet Silver Lake, Grafton to Upton WWTP discharge (NPDES: MA0100196), Upton (through Lake Wildwood formerly segment MA51181).	3.7	MILES	(Non-Native Aquatic Plants*)	
					pH, Low	
West River	MA51-12	From Upton WWTP discharge (NPDES: MA0100196), Upton to	9.4	MILES	(Non-Native Aquatic Plants*)	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
		mouth at confluence with the Blackstone River, Uxbridge (through former segments Harrington Pool MA51197, and West River Pond MA51177).			Cadmium	
					Chloride	
					Copper	
					Lead	
					Nutrient/Eutrophication Biological Indicators	
					pH, Low	
Woodbury Pond	MA51185	Sutton.	5	ACRES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	
Woolshop Pond	MA51186	Millbury.	5	ACRES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	
					Turbidity	
Boston Harbor (Proper)						
Boston Harbor	MA70-01	The area defined by a line from the southerly tip of Deer Island to Boston Lighthouse on Little Brewster Island, then south to Point Allerton; across Hull and West guts; across the mouths of Quincy and Dorchester bays, Boston Inner Harbor and Winthrop Bay (including President Roads and Nantasket Roads).	18.6	SQUARE MILES	Fecal Coliform	
					Other (Contaminants in Fish and Shellfish)	
					PCB in Fish Tissue	
Boston Inner Harbor	MA70-02	From the Mystic and Chelsea rivers, Chelsea/Boston, to the line between Governors Island and Fort Independence, Boston (East Boston) (including Fort Point, Reserved and Little Mystic channels).	2.56	SQUARE MILES	Enterococcus	
					Fecal Coliform	
					Other (Contaminants in Fish and Shellfish)	
					Oxygen, Dissolved	
					PCB in Fish Tissue	
Dorchester Bay	MA70-03	From the mouth of the Neponset River, Boston/Quincy to the line between Head Island and the north side of Thompson Island and the line between the south point of Thompson Island, Boston and Chapel Rocks, Quincy.	3.46	SQUARE MILES	Enterococcus	
					Fecal Coliform	
					Other (Contaminants in Fish and Shellfish)	
					PCB in Fish Tissue	
Hingham Bay	MA70-06	The area north of the mouth of the Weymouth Fore River extending on the west along the line between Nut Island and the south point of West Head, and on the east side along a line from Prince Head just east of Pig Rock to the mouth of the Weymouth Fore River (midway between Lower Neck and Manot Beach), Quincy.	0.96	SQUARE MILES	Fecal Coliform	
					Other (Contaminants in Fish and Shellfish)	
					PCB in Fish Tissue	
Hingham Bay	MA70-07	The area defined between Peddocks Island and Windmill Point; from Windmill Point southeast to Bumkin Island; from Bumkin Island southeast to Sunset Point; from Sunset Point across the mouth of the Weir River to Worlds End; from Worlds End across the mouth of Hingham Harbor to Crow Point; from Beach Lane, Hingham across the mouth of the Weymouth Back River to Lower Neck; and from Lower Neck midway across the mouth of the Weymouth Fore River.	4.8	SQUARE MILES	Fecal Coliform	
					Other (Contaminants in Fish and Shellfish)	
					PCB in Fish Tissue	
Hull Bay	MA70-09	The area defined east of a line from Windmill Point, Hull to Bumkin	2.48	SQUARE	Fecal Coliform	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
		Island, Hingham and from Bumkin Island to Sunset Point, Hull.		MILES	Other (Contaminants in Fish and Shellfish)	
					PCB in Fish Tissue	
Pleasure Bay	MA70-11	A semi-enclosed bay, the flow restricted through two channels between Castle and Head islands, Boston.	0.22	SQUARE MILES	Fecal Coliform	
					Other (Contaminants in Fish and Shellfish)	
					PCB in Fish Tissue	
Quincy Bay	MA70-04	From Bromfield Street near the Wollaston Yacht Club, northeast to N42 17.3 W71 00.1, then southeast to Houghs Neck near Sea Street and Peterson Road (formerly referred to as the "Willows"), Quincy.	1.52	SQUARE MILES	Enterococcus	
					Fecal Coliform	
					Other (Contaminants in Fish and Shellfish)	
					PCB in Fish Tissue	
Quincy Bay	MA70-05	Quincy Bay, north of the class SA waters (segment MA70-04), Quincy to the line between Moon Head and Nut Island, Quincy.	4.41	SQUARE MILES	Enterococcus	
					Fecal Coliform	
					Other (Contaminants in Fish and Shellfish)	
					PCB in Fish Tissue	
Winthrop Bay	MA70-10	From the tidal flats at Coleridge Street, Boston (East Boston) to a line between Logan International Airport and Point Shirley, Boston/Winthrop.	1.65	SQUARE MILES	Enterococcus	
					Fecal Coliform	
					Other (Contaminants in Fish and Shellfish)	
					PCB in Fish Tissue	
Boston Harbor: Mystic						
Aberjona River	MA71-01	Source just south of Birch Meadow Drive, Reading to inlet Upper Mystic Lake at Mystic Valley Parkway, Winchester (portion culverted underground). (through former pond segments Judkins Pond MA71021 and Mill Pond MA71031).	9.1	MILES	(Physical substrate habitat alterations*)	
					Ammonia (Un-ionized)	
					Aquatic Macroinvertebrate Bioassessments	
					Arsenic	
					Escherichia coli	
					Oxygen, Dissolved	
					Phosphorus (Total)	
					Sediment Bioassays -- Chronic Toxicity Freshwater	
Alewife Brook	MA71-04	Outlet of Little Pond, Belmont to confluence with Mystic River, Arlington/Somerville (portion in Belmont and Cambridge identified as Little River with name changing to Alewife Brook at Arlington corporate boundary).	2.3	MILES	(Debris/Floatables/Trash*)	
					Copper	
					Escherichia coli	
					Foam/Flocs/Scum/Oil Slicks	
					Lead	
					Oxygen, Dissolved	
					PCB in Fish Tissue	
					Phosphorus (Total)	
					Secchi disk transparency	
					Sediment Bioassays -- Chronic Toxicity Freshwater	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
					Taste and Odor	
Belle Isle Inlet	MA71-14	From tidegate at Bennington Street, Boston/Revere to confluence with Winthrop Bay, Boston/Winthrop.	0.12	SQUARE MILES	Fecal Coliform	
					Other (Contaminants in Shellfish)	
					PCB in Fish Tissue	
Blacks Nook	MA71005	Cambridge.	2	ACRES	(Non-Native Aquatic Plants*)	
					Nutrient/Eutrophication Biological Indicators	
					Secchi disk transparency	
Chelsea River	MA71-06	From confluence with Mill Creek, Chelsea/Revere to confluence with Boston Inner Harbor, Chelsea/East Boston.	0.37	SQUARE MILES	(Debris/Floatables/Trash*)	
					Ammonia (Un-ionized)	
					Fecal Coliform	
					Other (Contaminants in Shellfish)	
					Oxygen, Dissolved	
					PCB in Fish Tissue	
					Petroleum Hydrocarbons	
					Sediment Screening Value (Exceedence)	
					Taste and Odor	
					Turbidity	
Clay Pit Pond	MA71011	Belmont.	12	ACRES	Chlordane in Fish Tissue	
Cummings Brook	MA71-10	Headwaters east of Wright Street, Woburn to confluence with Fowle Brook, Woburn.	2.1	MILES	Escherichia coli	
Ell Pond	MA71014	Melrose.	23	ACRES	Chlorophyll-a	
					Fecal Coliform	
					Harmful Algal Bloom	
					Phosphorus (Total)	
					Secchi disk transparency	
					Total Suspended Solids (TSS)	
Fellsmere Pond	MA71016	Malden.	5	ACRES	Harmful Algal Bloom	
Horn Pond	MA71019	Woburn.	108	ACRES	(Non-Native Aquatic Plants*)	
					DDT in Fish Tissue	
					Harmful Algal Bloom	
					Oxygen, Dissolved	
					Phosphorus (Total)	
Little Pond	MA71024	Belmont.	18	ACRES	Harmful Algal Bloom	
Lower Mystic Lake	MA71027	Arlington/Medford.	93	ACRES	DDT in Fish Tissue	
					Oxygen, Dissolved	
					PCB in Fish Tissue	
					Salinity	
					Sediment Bioassays -- Chronic Toxicity Freshwater	
					Sulfide-Hydrogen Sulfide	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
Malden River	MA71-05	Headwaters south of Exchange Street, Malden to confluence with Mystic River, Everett/Medford.	2.3	MILES	(Debris/Floatables/Trash*)	
					Chlordane in Fish Tissue	
					DDT in Fish Tissue	
					Dissolved oxygen saturation	
					Escherichia coli	
					Fecal Coliform	
					Foam/Flocs/Scum/Oil Slicks	
					Oxygen, Dissolved	
					PCB in Fish Tissue	
					pH, High	
					Phosphorus (Total)	
					Secchi disk transparency	
					Sediment Bioassays -- Chronic Toxicity Freshwater	
					Taste and Odor	
					Total Suspended Solids (TSS)	
Mill Brook	MA71-07	Headwaters south of Massachusetts Avenue, Lexington to inlet of Lower Mystic Lake, Arlington (portions culverted underground).	3.9	MILES	(Physical substrate habitat alterations*)	
					Escherichia coli	
Mill Creek	MA71-08	From Route 1, Chelsea/Revere to confluence with Chelsea River, Chelsea/Revere.	0.02	SQUARE MILES	Fecal Coliform	
					Other (Contaminants in Shellfish)	
					PCB in Fish Tissue	
MUNROE BROOK	MA71-15	Headwaters, north of Solomon Pierce Road, Lexington to the mouth at inlet Arlington Reservoir, Lexington (includes culverted portion).	1.8	MILES	Escherichia coli	
Mystic River	MA71-02	Outlet Lower Mystic Lake, Arlington/Medford to Amelia Earhart Dam, Somerville/Everett.	5	MILES	(Fish-Passage Barrier*)	
					(Non-Native Aquatic Plants*)	
					Arsenic	
					Chlordane in Fish Tissue	
					Chlorophyll-a	
					DDT in Fish Tissue	
					Dissolved oxygen saturation	
					Escherichia coli	
					PCB in Fish Tissue	
					Phosphorus (Total)	
					Secchi disk transparency	
					Sediment Bioassays -- Chronic Toxicity Freshwater	
Mystic River	MA71-03	Amelia Earhart Dam, Somerville/Everett to confluence with Boston Inner Harbor, Chelsea/Charlestown (Includes Island End River).	0.49	SQUARE MILES	Ammonia (Un-ionized)	
					Fecal Coliform	
					Foam/Flocs/Scum/Oil Slicks	
					Other (Contaminants in Shellfish)	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
					Oxygen, Dissolved	
					PCB in Fish Tissue	
					Petroleum Hydrocarbons	
					Sediment Screening Value (Exceedence)	
					Taste and Odor	
Shaker Glen Brook	MA71-11	Headwaters, west of Dix Road Extention, Woburn to confluence with Fowle Brook, Woburn (portion culverted underground).	1.5	MILES	Escherichia coli	
Spy Pond	MA71040	Arlington.	98	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					Chlordane in Fish Tissue	
					DDT in Fish Tissue	
					Harmful Algal Bloom	
					Oxygen, Dissolved	
					Phosphorus (Total)	
Unnamed Tributary	MA71-13	Unnamed tributary locally known as 'Meetinghouse Brook', from emergence south of Route 16/east of Winthrop Street, Medford to confluence with the Mystic River, Medford. (brook not apparent on 1985 Boston North USGS quad - 2005 orthophotos used to delineate stream).	0.1	MILES	Escherichia coli	
Upper Mystic Lake	MA71043	Winchester/Arlington/Medford.	176	ACRES	(Non-Native Aquatic Plants*)	
					Dissolved oxygen saturation	
					Enterococcus	
					Oxygen, Dissolved	
Wedge Pond	MA71045	Winchester.	23	ACRES	Harmful Algal Bloom	
					Oxygen, Dissolved	
					Phosphorus (Total)	
Winn Brook	MA71-09	Headwaters near Juniper Road and the Belmont Hill School, Belmont to confluence with Little Pond, Belmont (portions culverted underground).	1.4	MILES	(Physical substrate habitat alterations*)	
					Escherichia coli	
Winter Pond	MA71047	Winchester.	19	ACRES	(Non-Native Aquatic Plants*)	
					Nutrient/Eutrophication Biological Indicators	
Boston Harbor: Neponset						
Beaver Brook	MA73-19	Headwaters (perennial portion), near Moose Hill Street, Sharon through Sawmill Pond to mouth at confluence with Massapoag Brook, Sharon.	3.5	MILES	Aquatic Macroinvertebrate Bioassessments	
					Oxygen, Dissolved	
Beaver Meadow Brook	MA73-20	Headwaters, outlet of Glenn Echo Pond, Stoughton, to mouth at inlet of Bolivar Pond, Canton.	3.3	MILES	Escherichia coli	2592
					Oxygen, Dissolved	
Bolivar Pond	MA73005	Canton.	20	ACRES	(Non-Native Aquatic Plants*)	
					Turbidity	
Cobbs Pond	MA73009	Walpole.	14	ACRES	(Non-Native Aquatic Plants*)	
					Nutrient/Eutrophication Biological Indicators	
					Oxygen, Dissolved	
					Secchi disk transparency	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
East Branch	MA73-05	East Branch Neponset River - Headwaters, outlet of Forge Pond, Canton through East Branch Pond to mouth at confluence with Neponset River, Canton (locally known as Canton River).	2.6	MILES	(Low flow alterations*)	
					Aquatic Macroinvertebrate Bioassessments	
					DDT in Fish Tissue	
					Escherichia coli	2592
					Fecal Coliform	2592
					Other (Unspecified Metals)	
					Oxygen, Dissolved	
					PCB in Fish Tissue	
					Temperature, water	
Forge Pond	MA73020	Canton.	19	ACRES	Turbidity	
Ganawatte Farm Pond	MA73037	Walpole/Sharon/Foxborough.	29	ACRES	Aquatic Plants (Macrophytes)	
					Oxygen, Dissolved	
					Secchi disk transparency	
Germany Brook	MA73-15	Headwaters, east of Winter Street, Norwood to inlet of Ellis Pond, Norwood.	2	MILES	Escherichia coli	2592
					Fecal Coliform	2592
					pH, High	
					Phosphorus (Total)	
Gulliver Creek	MA73-30	From confluence Unquity Brook, Milton to confluence Neponset River, Milton (Note: Unquity Brook culverted, confluence not visible on quad).	0.02	SQUARE MILES	Fecal Coliform	2592
					Other (Contaminants in Fish and Shellfish)	
					PCB in Fish Tissue	
Hawes Brook	MA73-16	Headwaters, outlet of Ellis Pond, Norwood to mouth at confluence with Neponset River, Norwood.	1.1	MILES	Escherichia coli	2592
					Fecal Coliform	2592
					Taste and Odor	
Massapoag Brook	MA73-21	Headwaters, outlet Hammer Shop Pond, Sharon, through Manns Pond (formerly segment MA73028), Trowel Shop Pond, and Shephard Pond to mouth at inlet of Forge Pond, Canton.	4.2	MILES	(Non-Native Aquatic Plants*)	
					Aquatic Macroinvertebrate Bioassessments	
					Phosphorus (Total)	
Memorial Pond	MA73012	Walpole.	8	ACRES	Aquatic Plants (Macrophytes)	
					Turbidity	
Mill Brook	MA73-08	From headwaters (perennial portion) north of Hartford Street, Medfield to mouth at inlet of Jewells Pond, Medfield.	2.3	MILES	(Low flow alterations*)	
					Aquatic Macroinvertebrate Bioassessments	
					Oxygen, Dissolved	
Mine Brook	MA73-09	Headwaters, outlet of Jewells Pond, Medfield, to the inlet of Turner Pond, Walpole.	3	MILES	Oxygen, Dissolved	
Mother Brook	MA73-28	Headwaters at the Charles River Diversion control structure, Dedham to mouth at confluence with Neponset River, Boston [Reported as MA72-13 until May 3, 2000].	3.7	MILES	(Debris/Floatables/Trash*)	
					(Low flow alterations*)	
					Color	
					DDT in Fish Tissue	
					Mercury in Fish Tissue	
					Oxygen, Dissolved	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
					PCB in Fish Tissue	
					Phosphorus (Total)	
					Taste and Odor	
Neponset Reservoir	MA73034	Foxborough.	312	ACRES	(Non-Native Aquatic Plants*)	
					Excess Algal Growth	
					Turbidity	
Neponset River	MA73-01	Outlet of Neponset Reservoir, Foxborough to confluence with East Branch, Canton. (through former pond segments Crackrock Pond MA73010 and Bird Pond MA73002).	13.2	MILES	DDT in Fish Tissue	
					Escherichia coli	54840
					Other (Unspecified Metals)	
					Oxygen, Dissolved	
					PCB in Fish Tissue	
					Phosphorus (Total)	
Neponset River	MA73-02	Confluence with East Branch, Canton to confluence with Mother Brook, Boston.	7.7	MILES	(Debris/Floatables/Trash*)	
					DDT in Fish Tissue	
					Escherichia coli	2592
					Fecal Coliform	2592
					Foam/Flocs/Scum/Oil Slicks	
					Other (Unspecified Metals)	
					Oxygen, Dissolved	
					PCB in Fish Tissue	
					Turbidity	
Neponset River	MA73-03	Confluence with Mother Brook, Boston to Milton Lower Falls Dam (Neponset River Baker Chocolate Dam, NAT ID: MA01093), Milton/Boston.	3.7	MILES	(Debris/Floatables/Trash*)	
					DDT in Fish Tissue	
					Enterococcus	2592
					Escherichia coli	2592
					Fecal Coliform	2592
					Foam/Flocs/Scum/Oil Slicks	
					Other (Unspecified Metals)	
					Oxygen, Dissolved	
					PCB in Fish Tissue	
					Polychlorinated biphenyls	
Neponset River	MA73-04	Milton Lower Falls Dam (Neponset River Baker Chocolate Dam, NAT ID: MA01093), Milton/Boston to mouth at Dorchester Bay, Boston/Quincy.	0.67	SQUARE MILES	(Debris/Floatables/Trash*)	
					Enterococcus	2592
					Fecal Coliform	2592
					Other (Contaminants in Shellfish)	
					Oxygen, Dissolved	
					PCB in Fish Tissue	
					Turbidity	
Pequid Brook	MA73-22	Headwaters east of York Street, Canton to mouth at inlet of Forge Pond, Canton (excluding the approximately 1.3 miles through Reservoir Pond, segment MA73048).	2.8	MILES	Oxygen, Dissolved	
Pine Tree Brook	MA73-29	Headwaters, outlet of Hillside Pond, Milton through Pope's Pond (formerly segment MA73044) to confluence Neponset River, Milton.	4.6	MILES	(Physical substrate habitat alterations*)	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
					Aquatic Plants (Macrophytes)	
					Escherichia coli	2592
					Fecal Coliform	2592
					Oxygen, Dissolved	
					Turbidity	
Plantingfield Brook	MA73-23	Headwaters east of Thatcher Street, Westwood, to mouth at confluence with Purgatory Brook, Norwood (portion culverted).	1.9	MILES	(Low flow alterations*)	
					Escherichia coli	
Russell Pond	MA73003	Milton.	9	ACRES	(Non-Native Aquatic Plants*)	
					Turbidity	
Steep Hill Brook	MA73-18	Headwaters, outlet of Pinewood Pond, Stoughton, to mouth at inlet of Bolivar Pond, Canton.	0.9	MILES	Escherichia coli	
Turners Pond	MA73059	Milton.	11	ACRES	Nutrient/Eutrophication Biological Indicators	
					Oxygen, Dissolved	
					Turbidity	
Unnamed Tributary	MA73-32	From the outlet of Town Pond, Stoughton to mouth at confluence with Steep Hill Brook, Stoughton.	1	MILES	Aquatic Macroinvertebrate Bioassessments	
					Escherichia coli	54860
					pH, Low	
					Phosphorus (Total)	
Unnamed Tributary	MA73-33	Locally known as "Meadow Brook" - From where the underground/culverted stream emerges east of Pleasant Street, Norwood to confluence with Neponset River, Norwood.	0.7	MILES	Escherichia coli	54861
					Phosphorus (Total)	
Unquity Brook	MA73-26	Isolated (urban): Headwaters (perennial portion) near Randolph Avenue, Milton to mouth at confluence with Gulliver Creek, Milton (Note: Confluence not visible on quad, brook culverted underground east of Otis Street/west of Govenor Belcher Lane, Milton).	1.5	MILES	(Low flow alterations*)	
					(Physical substrate habitat alterations*)	
					Escherichia coli	2592
					Fecal Coliform	2592
					Oxygen, Dissolved	
					pH, Low	
					Phosphorus (Total)	
					Sedimentation/Siltation	
Boston Harbor: Weymouth & Weir						
Accord Brook	MA74-16	Headwaters, outlet Accord Pond, Hingham to water supply intake (4131000-02S Accord Brook) south of South Pleasant Street, Hingham.	3.2	MILES	Aquatic Macroinvertebrate Bioassessments	
Cochato River	MA74-06	Outlet Lake Holbrook, Holbrook to confluence with Farm and Monatiquot rivers, Braintree (through former pond segment Ice House Pond MA74028). (SARIS note: the upper portion of this segment is comprised of three surface waters: unnamed tributary from the outlet of Lake Holbrook, portion of Mary Lee Brook, portion of Glovers Brook).	4.1	MILES	Chlordane in Fish Tissue	
					DDT in Fish Tissue	
					Escherichia coli	
					Fecal Coliform	
					Oxygen, Dissolved	
CRANBERRY BROOK	MA74-22	Headwaters, outlet Cranberry Pond, Braintree to mouth at confluence with Cochato River, Braintree (Cranberry Brook Watershed ACEC).	1.9	MILES	Escherichia coli	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
Crooked Meadow River	MA74-01	Headwaters, outlet Cushing Pond, Hingham to confluence with Fulling Mill Brook (forming headwater of Weir River), Hingham.	1	MILES	Nutrient/Eutrophication Biological Indicators	
Farm River	MA74-07	From Randolph/Braintree border (where name changes from Blue Hill River), to confluence with Cochato River (forming headwaters of Monatiquot River), Braintree.	3.1	MILES	Escherichia coli	
Furnace Brook	MA74-10	From headwaters north of Blue Hills Reservoir, Quincy to confluence with Blacks Creek, Quincy (portions culverted underground).	4.2	MILES	Escherichia coli	
					Oxygen, Dissolved	
Hingham Harbor	MA74-18	Hingham Harbor inside a line from Crows Point to Worlds End, Hingham (formerly reported as MA70-08).	1.12	SQUARE MILES	Escherichia coli	
					Fecal Coliform	
					Other (Contaminants in Fish and Shellfish)	
					PCB in Fish Tissue	
Lake Holbrook	MA74013	Holbrook.	31	ACRES	Nutrient/Eutrophication Biological Indicators	
MARY LEE BROOK	MA74-23	Headwaters, north of West High Street, Avon to mouth at confluence with Cochato River, Randolph.	2.7	MILES	Escherichia coli	
Mill River	MA74-04	Headwaters, west of Route 18 and south of Randolph Street, Weymouth to inlet Whitmans Pond, Weymouth (portions culverted underground).	3.4	MILES	Escherichia coli	
					Fecal Coliform	
Monatiquot River	MA74-08	Headwaters at confluence of Cochato and Farm rivers, Braintree to confluence with Weymouth Fore River at Commercial Street, Braintree.	4.4	MILES	(Physical substrate habitat alterations*)	
					Aquatic Macroinvertebrate Bioassessments	
					Escherichia coli	
					Fecal Coliform	
					Oxygen, Dissolved	
Old Swamp River	MA74-03	Headwaters just west of Pleasant Street and north of Liberty Street, Rockland to inlet Whitmans Pond, Weymouth.	4.6	MILES	Escherichia coli	
					Fecal Coliform	
PLYMOUTH RIVER	MA74-20	Headwaters, perennial portion (including channelized, culverted section) north of Route 3 (Pilgrim Highway), Weymouth to the mouth at inlet of Cushing Pond, Hingham (entire river not depicted on Weymouth USGS quad).	3.6	MILES	Escherichia coli	
Sylvan Lake	MA74021	Holbrook.	6	ACRES	Chlordane in Fish Tissue	
					DDT in Fish Tissue	
Town Brook	MA74-09	Headwaters, outlet Old Quincy Reservoir, Braintree to confluence with Town River Bay north of Route 3A, Quincy (SARIS note: includes "The Canal"/Town River) (portions culverted underground).	3.5	MILES	(Other flow regime alterations*)	
					(Physical substrate habitat alterations*)	
					Aquatic Macroinvertebrate Bioassessments	
					Escherichia coli	
					Fecal Coliform	
Town River Bay	MA74-15	From the headwaters at the Route 3A bridge, Quincy to the mouth at Weymouth Fore River between Shipyard and Germantown	0.46	SQUARE MILES	Enterococcus	
					Fecal Coliform	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
		Points, Quincy.			Other (Contaminants in Fish and Shellfish)	
					Oxygen, Dissolved	
					PCB in Fish Tissue	
Weir River	MA74-02	Headwaters at confluence of Crooked Meadow River and Fulling Mill Brook, Hingham to Foundry Pond outlet, Hingham (through former pond segment Foundry Pond MA74011) (area associated with Weir River ACEC designated as ORW).	2.7	MILES	(Low flow alterations*)	
					Nutrient/Eutrophication Biological Indicators	
					Sedimentation/Siltation	
Weir River	MA74-11	From Foundry Pond outlet, Hingham to mouth at Worlds End, Hingham and Nantasket Road near Beech Avenue, Hull (including unnamed tributary from outlet Straits Pond, Hingham/Hull) (area associated with Weir River ACEC designated as ORW).	0.83	SQUARE MILES	Fecal Coliform	
					Other (Contaminants in Fish and Shellfish)	
					PCB in Fish Tissue	
Weymouth Back River	MA74-05	Headwaters, outlet Elias Pond, Weymouth to the base of the fish ladder north of Commercial Street,Weymouth (area associated with Weymouth Back River ACEC designated as ORW).	0.7	MILES	Escherichia coli	
					Fecal Coliform	
					Oxygen, Dissolved	
Weymouth Back River	MA74-13	From the base of the fish ladder north of Commercial Street, Weymouth to mouth between Lower Neck, Weymouth (to the west) and Wompatuck Road, Hingham (area associated with Weymouth Back River ACEC designated as ORW).	0.85	SQUARE MILES	Fecal Coliform	
					Other (Contaminants in Fish and Shellfish)	
					PCB in Fish Tissue	
Weymouth Fore River	MA74-14	Commercial Street, Braintree to mouth (eastern point at Lower Neck, Weymouth and western point at Wall Street on Houghs Neck, Quincy).	2.29	SQUARE MILES	Enterococcus	
					Fecal Coliform	
					Other (Contaminants in Fish and Shellfish)	
					PCB in Fish Tissue	
Whitmans Pond	MA74025	Weymouth.	176	ACRES	(Non-Native Aquatic Plants*)	
					DDT in Fish Tissue	
Buzzards Bay						
"Inner" Sippican Harbor	MA95-70	The waters landward of a line from Allen Point, Marion around the southeastern tip of Ram Island, then westerly from the southern tip of Ram Island to the point of land south of Nyes Wharf, Marion excluding Hammett Cove (formerly reported as a portion of segment MA95-08).	0.57	SQUARE MILES	Estuarine Bioassessments	
					Fecal Coliform	36172
					Nitrogen (Total)	
					Nutrient/Eutrophication Biological Indicators	
Acushnet River	MA95-31	Headwaters, outlet New Bedford Reservoir, Acushnet to Hamlin Street culvert, Acushnet.	2.9	MILES	Enterococcus	36170
					Escherichia coli	36170
					Fecal Coliform	36170
					Oxygen, Dissolved	
Acushnet River	MA95-32	Hamlin Street culvert, Acushnet to culvert at Main Street, Acushnet.	1.1	MILES	Aquatic Macroinvertebrate Bioassessments	
					Enterococcus	36170
					Escherichia coli	36170
					Fecal Coliform	36170
Acushnet River	MA95-33	Outlet Main Street culvert, Acushnet to Coggeshall Street/Howland Road bridge, New Bedford/Fairhaven.	0.31	SQUARE MILES	(Debris/Floatables/Trash*)	
					Color	
					Enterococcus	36171
					Fecal Coliform	36171

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
					Nitrogen (Total)	
					Nutrient/Eutrophication Biological Indicators	
					Oil and Grease	
					Other (Unspecified Metals)	
					Oxygen, Dissolved	
					Polychlorinated biphenyls	
					Taste and Odor	
Agawam River	MA95-29	Wareham WWTP outfall, Wareham to confluence with Wankinco River (forming headwaters of the Wareham River) just north of the Route 6 bridge, Wareham.	0.16	SQUARE MILES	Excess Algal Growth	
					Fecal Coliform	36171
					Nitrogen (Total)	
ANGELINE BROOK	MA95-83	Perennial portion south of Charlotte White Road, Westport to mouth at West Branch Westport River (Angeline Cove), Westport.	4.4	MILES	Enterococcus	
Apponagansett Bay	MA95-39	From the mouth of Buttonwood Brook, Dartmouth to a line drawn from Ricketsons Point, Dartmouth to Samoset Street near North Avenue, Dartmouth.	1.06	SQUARE MILES	Estuarine Bioassessments	
					Fecal Coliform	36172
					Nitrogen (Total)	
					Nutrient/Eutrophication Biological Indicators	
					PCB in Fish Tissue	
Aucoot Cove	MA95-71	From the confluence with Aucoot Creek, Marion to the boundary of Division of Marine Fisheries designated shellfishing growing area BB31.1, north and southwest from Haskell Island, Marion (formerly part of segment MA95-09).	0.03	SQUARE MILES	Fecal Coliform	36172
					Nitrogen (Total)	
					Nutrient/Eutrophication Biological Indicators	
					Oxygen, Dissolved	
Aucoot Creek	MA95-72	Estuarine portion east of Holly Pond Road, Marion to confluence with Aucoot Cove, Marion.	0.02	SQUARE MILES	Fecal Coliform	36172
					Nitrogen (Total)	
					Nutrient/Eutrophication Biological Indicators	
					Oxygen, Dissolved	
Beaverdam Creek	MA95-53	Estuarine portion just south of the outlet from cranberry bog southeast of Route 6, Wareham to confluence with Wewantic River, Wareham.	0.04	SQUARE MILES	Estuarine Bioassessments	
					Fecal Coliform	36172
					Nitrogen (Total)	
Butler Cove	MA95-77	just south of Buttermilk Bay, Wareham.	0.05	SQUARE MILES	Estuarine Bioassessments	
Buttermilk Bay	MA95-01	Bourne/Wareham.	0.67	SQUARE MILES	Estuarine Bioassessments	
					Fecal Coliform	36172
					Nutrient/Eutrophication Biological Indicators	
Buzzards Bay	MA95-62	Open water area encompassed within a line drawn from Wilber Point, Fairhaven to Clarks Point, New Bedford to Ricketson Point, Dartmouth to vacinity of Samoset Street, Dartmouth down to Round Hill Point, Dartmouth and back to Wilber Point, Fairhaven.	8.07	SQUARE MILES	Fecal Coliform	36172
					PCB in Fish Tissue	
Clarks Cove	MA95-38	The semi-enclosed water body landward of a line drawn between Clarks Point, New Bedford and Ricketsons Point, Dartmouth.	1.9	SQUARE MILES	Enterococcus	36172
					Fecal Coliform	36172
					PCB in Fish Tissue	
Copicut Reservoir	MA95175	Dartmouth/Fall River.	596	ACRES	Mercury in Fish Tissue	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
Copicut River	MA95-43	Headwaters, outlet of Copicut Reservoir, Fall River to the inlet of Cornell Pond, Dartmouth.	1.3	MILES	Mercury in Fish Tissue	
					PCB in Fish Tissue	
Cornell Pond	MA95031	Dartmouth.	12	ACRES	Mercury in Fish Tissue	33880
					PCB in Fish Tissue	
Crane Brook Bog Pond	MA95033	Carver.	37	ACRES	(Non-Native Aquatic Plants*)	
					Excess Algal Growth	
					Phosphorus (Total)	
Dunham Pond	MA95044	Carver.	43	ACRES	Chlorophyll-a	
					Secchi disk transparency	
East Branch Westport River	MA95-41	Old County Road bridge, Westport to the mouth at Westport Harbor/Westport River, Westport (excluding Horseneck Channel).	2.65	SQUARE MILES	Estuarine Bioassessments	
					Fecal Coliform	36171
					Nitrogen (Total)	
					Nutrient/Eutrophication Biological Indicators	
Eel Pond	MA95-61	Coastal pond at the head of Mattapoisett Harbor, Mattapoisett.	0.04	SQUARE MILES	Fecal Coliform	36172
					Nutrient/Eutrophication Biological Indicators	
Fiddlers Cove	MA95-79	cove south off Megansett Harbor, Falmouth.	0.01	SQUARE MILES	Estuarine Bioassessments	
					Fecal Coliform	
					Nutrient/Eutrophication Biological Indicators	
					Oxygen, Dissolved	
Halfway Pond	MA95178	Plymouth (On 9 October 1997, PALIS ID was changed from 94057 to 95178; therefor, this pond historically reported in South Coastal "94").	215	ACRES	Harmful Algal Bloom	
Hammett Cove	MA95-56	Borders Sippican Harbor (along a line from the southwestern most point of Little Neck to the end of the seawall on the opposite point), Marion.	0.07	SQUARE MILES	Estuarine Bioassessments	
					Fecal Coliform	36172
					Nitrogen (Total)	
Herring Brook	MA95-21	Estuarine portion northeast of Dale Drive and west of Route 28A, Falmouth to the mouth at Buzzards Bay, Falmouth.	0.01	SQUARE MILES	Chlorophyll-a	
					Fecal Coliform	36172
					Nitrogen (Total)	
KIRBY BROOK	MA95-82	Headwaters just south of Old County Road, Westport to the mouth at East Branch Westport River, Westport.	2	MILES	Enterococcus	
Leonards Pond	MA95080	Rochester.	49	ACRES	(Aquatic Plants (Macrophytes)*)	
					(Non-Native Aquatic Plants*)	
					Chlorophyll-a	
					Secchi disk transparency	
Little Buttermilk Bay	MA95-76	off of Buttermilk Bay, Bourne.	0.16	SQUARE MILES	Estuarine Bioassessments	
					Nutrient/Eutrophication Biological Indicators	
Mattapoisett Harbor	MA95-35	From the mouth of the Mattapoisett River, Mattapoissett to a line drawn from Ned Point to a point of land between Bayview Avenue and Grandview Avenue, Mattapoisett.	1.12	SQUARE MILES	Estuarine Bioassessments	
					Fecal Coliform	36172
					Nutrient/Eutrophication Biological Indicators	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
Mattapoisett River	MA95-36	Headwaters, outlet Snipatuit Pond, Rochester to Mattapoisett River Dam (#MA02447) at Fairhaven Road (Route 6), Mattapoisett.	10.4	MILES	Enterococcus	
					Escherichia coli	
Megansett Harbor	MA95-19	From the outlet of Squeteague Harbor, Falmouth to Buzzards Bay at a line from the western tip of Scraggy Neck, Bourne south to the tip of Nyes Neck, Falmouth.	1.44	SQUARE MILES	Estuarine Bioassessments	
					Fecal Coliform	
					Nutrient/Eutrophication Biological Indicators	
New Bedford Inner Harbor	MA95-42	Coggeshall Street/Howland Road bridge, New Bedford/Fairhaven to hurricane barrier, Fairhaven/New Bedford.	1.25	SQUARE MILES	(Debris/Floatables/Trash*)	
					Enterococcus	36171
					Fecal Coliform	36171
					Nitrogen (Total)	
					Nutrient/Eutrophication Biological Indicators	
					Oil and Grease	
					Other (Unspecified Metals)	
					Oxygen, Dissolved	
					PCB in Fish Tissue	
					Polychlorinated biphenyls	
					Taste and Odor	
New Bedford Reservoir	MA95110	Acushnet.	211	ACRES	(Aquatic Plants (Macrophytes)*)	
					(Non-Native Aquatic Plants*)	
					DDT in Fish Tissue	
					Mercury in Fish Tissue	
					Nutrient/Eutrophication Biological Indicators	
					Oxygen, Dissolved	
					Phosphorus (Total)	
Noquochoke Lake	MA95113	(Main Basin) Dartmouth.	88	ACRES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	
					Enterococcus	
					Mercury in Fish Tissue	33880
					PCB in Fish Tissue	
					Turbidity	
Noquochoke Lake	MA95170	(South Basin) Dartmouth.	13	ACRES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	
					Mercury in Fish Tissue	33880
					PCB in Fish Tissue	
					Turbidity	
Noquochoke Lake	MA95171	(North Basin) Dartmouth.	17	ACRES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	
					Mercury in Fish Tissue	33880
					PCB in Fish Tissue	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
					Turbidity	
Onset Bay	MA95-02	Wareham.	0.78	SQUARE MILES	Estuarine Bioassessments	
					Fecal Coliform	36172
Outer New Bedford Harbor	MA95-63	From the hurricane barrier, Fairhaven/New Bedford to a line drawn from Wilbur Point, Fairhaven to Clarks Point, New Bedford (segment changed 6/4/03, formerly reported as MA95-27).	5.78	SQUARE MILES	Enterococcus	36172
					Fecal Coliform	36172
					PCB in Fish Tissue	
Parker Mills Pond	MA95115	Wareham.	73	ACRES	(Non-Native Aquatic Plants*)	
					Phosphorus (Total)	
Paskamanset River	MA95-11	Headwaters, outlet Turners Pond, Dartmouth/New Bedford to confluence with Slocums River (Rock O'Dundee Road), Dartmouth.	10.5	MILES	Combined Biota/Habitat Bioassessments	
					Enterococcus	
					Escherichia coli	
Pocasset Harbor	MA95-17	From the confluence with Red Brook Harbor near the northern portion of Bassetts Island and Patuisset, Bourne to the mouth at Buzzards Bay between the western portion of Bassetts Island and Wings Neck, Bourne.	0.33	SQUARE MILES	Estuarine Bioassessments	
					Fecal Coliform	36172
Queen Sewell Pond	MA95180	Bourne (previously reported with PALIS # 96253).	18	ACRES	Harmful Algal Bloom	
Quissett Harbor	MA95-25	The semi-enclosed body of water landward of a line drawn between The Knob and Gansett Point, Falmouth.	0.17	SQUARE MILES	Estuarine Bioassessments	
					Fecal Coliform	36172
					Nitrogen (Total)	
					Nutrient/Eutrophication Biological Indicators	
Rands Harbor	MA95-78	harbor south off Megansett Harbor, Falmouth.	0.02	SQUARE MILES	Estuarine Bioassessments	
					Fecal Coliform	
					Nutrient/Eutrophication Biological Indicators	
Red Brook Harbor	MA95-18	From the confluence with Pocasset Harbor between the northern portion of Bassetts Island and Patuisset, Bourne to the mouth at Buzzards Bay between the southern portion of Bassetts Island and Scraggy Neck, Bourne (including Hen Cove).	0.92	SQUARE MILES	Estuarine Bioassessments	
					Fecal Coliform	36172
					Nutrient/Eutrophication Biological Indicators	
Sampson Pond	MA95125	Carver.	295	ACRES	(Non-Native Aquatic Plants*)	
					(Nonnative Fish, Shellfish, or Zooplankton*)	
					DDT in Fish Tissue	
					Mercury in Fish Tissue	
Shingle Island River	MA95-12	Outlet of small unnamed pond northeast of Flag Swamp Road, Dartmouth to inlet Noquochoke Lake (north basin), Dartmouth.	5	MILES	Enterococcus	
Sippican River	MA95-06	Headwaters, outlet Leonards Pond, Rochester to County Road, Marion/Wareham.	3	MILES	Chlorophyll-a	
					Enterococcus	
					Oxygen, Dissolved	
Slocums River	MA95-34	Rock O'Dundee Road (confluence with Paskemanset River), Dartmouth to mouth at Buzzards Bay, Dartmouth.	0.66	SQUARE MILES	Estuarine Bioassessments	
					Fecal Coliform	36172
					Nitrogen (Total)	
					Nutrient/Eutrophication Biological Indicators	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
Squeteague Harbor	MA95-55	Waters landward of the confluence with Megansett Harbor, Bourne/Falmouth.	0.15	SQUARE MILES	Nutrient/Eutrophication Biological Indicators	
Tihonet Pond	MA95146	Wareham.	87	ACRES	Oxygen, Dissolved	
Wareham River	MA95-03	From confluence of Wankinko and Agawam Rivers at Route 6 bridge, Wareham to Buzzards Bay (at an imaginary line from Cromeset Point to curved point east/southeast of Long Beach Point), Wareham. Including Marks Cove, Wareham.	1.18	SQUARE MILES	Estuarine Bioassessments	
					Fecal Coliform	36172
					Nitrogen (Total)	
West Branch Westport River	MA95-37	West of Quail Trail, Westport to mouth at Westport Harbor/Westport River, Westport.	1.29	SQUARE MILES	Estuarine Bioassessments	
					Fecal Coliform	36172
					Nitrogen (Total)	
					Nutrient/Eutrophication Biological Indicators	
Weweantic River	MA95-04	Headwaters confluence of Rocky Meadow and South Meadow brooks, Carver to the inlet of Horseshoe Pond, Wareham (through former pond segment MA95150).	11.5	MILES	(Non-Native Aquatic Plants*)	
					Enterococcus	
Weweantic River	MA95-05	Outlet Horseshoe Pond, Wareham to mouth at Buzzards Bay, Marion/Wareham.	0.62	SQUARE MILES	Enterococcus	36172
					Estuarine Bioassessments	
					Fecal Coliform	36172
					Nitrogen (Total)	
Wild Harbor	MA95-20	Waters landward of an imaginary line from Crow Point to Nyes Neck (excluding Wild Harbor River), Falmouth.	0.13	SQUARE MILES	Estuarine Bioassessments	
					Fecal Coliform	36172
					Nutrient/Eutrophication Biological Indicators	
Cape Cod						
Allens Harbor	MA96-95	south of Lower County Road, Harwich to Doanes Creek, Harwich.	0.02	SQUARE MILES	Fecal Coliform	
Ashumet Pond	MA96004	Mashpee/Falmouth.	203	ACRES	Abnormal Fish deformities, erosions, lesions, tumors (DELTS)	
					Abnormal Fish Histology (Lesions)	
					Mercury in Fish Tissue	33880
					Oxygen, Dissolved	
					Phosphorus (Total)	
Barnstable Harbor	MA96-01	From the mouths of Scorton and Spring creeks, Barnstable east to an imaginary line drawn from Beach Point to the western edge of the Mill Creek estuary, Barnstable.	3.2	SQUARE MILES	Estuarine Bioassessments	
					Fecal Coliform	36771
Bass River	MA96-12	Headwaters outlet Kelleys Bay, Route 6, Dennis/Yarmouth to mouth at inlet Nantucket Sound, Yarmouth (excluding Grand Cove, Dennis).	0.69	SQUARE MILES	Estuarine Bioassessments	
					Fecal Coliform	36771
Boat Meadow River	MA96-15	Headwaters east of old railway grade, Eastham to mouth at inlet Cape Cod Bay, Eastham.	0.05	SQUARE MILES	Estuarine Bioassessments	
					Fecal Coliform	36772
Cedar Pond	MA96-88	Orleans (in Inner Cape Cod Bay ACEC).	0.03	SQUARE MILES	Chlorophyll-a	
					Dissolved oxygen saturation	
					Oxygen, Dissolved	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
CHASE GARDEN CREEK	MA96-103	Headwaters south of Roads End and west of Jericho Road, Dennis to New Boston Road, Dennis.	1.2	MILES	Escherichia coli	
Cliff Pond	MA96039	Brewster.	190	ACRES	Harmful Algal Bloom	
Crystal Lake	MA96050	Orleans.	33	ACRES	Oxygen, Dissolved	
Great Pond	MA96115	Eastham.	109	ACRES	Chlorophyll-a	
					Oxygen, Dissolved	
					Phosphorus (Total)	
Hamblin Pond	MA96126	Barnstable.	114	ACRES	Harmful Algal Bloom	
					Mercury in Fish Tissue	33880
					Oxygen, Dissolved	
Herring River	MA96-33	South of High Toss Road, Wellfleet to mouth at inlet Wellfleet Harbor (at an imaginary line drawn due north from the eastern tip of Great Island to the opposite shore), Wellfleet.	0.4	SQUARE MILES	(Fish-Passage Barrier*)	
					(Other flow regime alterations*)	
					Aluminum	
					Estuarine Bioassessments	
					Fecal Coliform	36772
					pH, Low	
Herring River	MA96-67	Headwaters outlet Herring Pond, Wellfleet to south of High Toss Road, Wellfleet.	3.6	MILES	(Fish Kills*)	
					(Fish-Passage Barrier*)	
					(Other flow regime alterations*)	
					Aluminum	
					pH, Low	
LITTLE RIVER	MA96-99	Headwaters outlet Lovells Pond, Barnstable to confluence with tidal portion south of Old Post Road, Barnstable.	1.8	MILES	Escherichia coli	
Long Pond	MA96183	Brewster/Harwich.	715	ACRES	Oxygen, Dissolved	
Lovells Pond	MA96185	Barnstable.	54	ACRES	Chlorophyll-a	
					Harmful Algal Bloom	
					Oxygen, Dissolved	
					Phosphorus (Total)	
					Secchi disk transparency	
					Turbidity	
Lovers Lake	MA96186	Chatham.	37	ACRES	Secchi disk transparency	
Lower Mill Pond	MA96188	Brewster.	44	ACRES	Chlorophyll-a	
					Excess Algal Growth	
					Phosphorus (Total)	
					Turbidity	
Middle Pond	MA96198	Barnstable.	104	ACRES	Harmful Algal Bloom	
					Oxygen, Dissolved	
Moll Pond	MA96355	Eastham.	3	ACRES	Harmful Algal Bloom	
Mystic Lake	MA96218	Barnstable.	146	ACRES	(Non-Native Aquatic Plants*)	
					Oxygen, Dissolved	
Popponesset Creek	MA96-39	All waters west of Popponesset Island (from Popponesset Island	0.05	SQUARE	Estuarine Bioassessments	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
		Road bridge at the north to a line extended from the southeastern most point of the island southerly to Popponesset Beach), Mashpee.		MILES	Fecal Coliform	36772
Red Lily Pond	MA96257	Barnstable.	4	ACRES	(Aquatic Plants (Macrophytes)*)	
					Fecal Coliform	
					Nutrient/Eutrophication Biological Indicators	
RED RIVER	MA96-107	Headwaters west of Mayflower Drive, Chatham to south Chatham Road, Chatham.	0.9	MILES	Escherichia coli	
Round Cove	MA96-75	east of Route 28, Harwich outlet to Pleasant Bay, Harwich.	0.02	SQUARE MILES	Fecal Coliform	
					Nitrogen (Total)	33796
Ryder Pond	MA96268	Truro.	18	ACRES	Mercury in Fish Tissue	33880
					Oxygen, Dissolved	
					Phosphorus (Total)	
Santuit Pond	MA96277	Mashpee.	164	ACRES	Abnormal Fish deformities, erosions, lesions, tumors (DELTS)	
					Abnormal Fish Histology (Lesions)	
					Chlorophyll-a	
					Harmful Algal Bloom	
					Nutrient/Eutrophication Biological Indicators	
					pH, High	
					Phosphorus (Total)	
					Secchi disk transparency	
Shawme Lake Lower	MA96288	Sandwich.	25	ACRES	Nutrient/Eutrophication Biological Indicators	
Stillwater Pond	MA96309	Chatham.	18	ACRES	Secchi disk transparency	
Swan Pond River	MA96-14	Headwaters, outlet Swan Pond, Dennis to mouth at inlet Nantucket Sound, Dennis.	0.04	SQUARE MILES	Estuarine Bioassessments	
					Fecal Coliform	36771
Town Cove	MA96-68	Entire cove, Orleans/Eastham (including Rachael Cove and Woods Cove, Orleans) outlet to Nauset Harbor, Orleans (area within Cape Cod National Seashore designated as ORW).	0.79	SQUARE MILES	Estuarine Bioassessments	
Uncle Harvey Pond	MA96319	Orleans.	6	ACRES	Harmful Algal Bloom	
Unnamed Tributary	MA96-100	Unnamed tributary to Halls Creek, Barnstable from headwaters south of the intersection of Old Craigville and Old Town roads, Barnstable to confluene with tidal portion just south of Craigville Beach Road, Barnstable.	0.5	MILES	Escherichia coli	
Unnamed Tributary	MA96-104	Unnamed tributary to Freemans Pond, Brewster from outlet of channelized wetland south of Lower Road, Brewster to mouth at inlet Freemans Pond, Brewster.	0.6	MILES	Escherichia coli	
Unnamed Tributary	MA96-108	Unnamed tributary to Herring River, headwaters outlet Perch Pond, Wellfleet to mouth at confluence with Herring River, Wellfleet (area within Cape Cod National Seashore designated as ORW).	2	MILES	Escherichia coli	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
Unnamed Tributary	MA96-97	Unnamed tributary to Hyannis Inner Harbor (referred to in TMDL as Inner Harbor Creek), from salt water portion north of Park Avenue, Yarmouth to mouth at inlet Hyannis Inner Harbor, Yarmouth.	0.001	SQUARE MILES	Nitrogen (Total)	
Upper Shawme Lake	MA96326	Sandwich.	21	ACRES	Nutrient/Eutrophication Biological Indicators	
Walkers Pond	MA96331	Brewster.	100	ACRES	Chlorophyll-a	
					Excess Algal Growth	
					Harmful Algal Bloom	
					Phosphorus (Total)	
					Secchi disk transparency	
					Turbidity	
Waquoit Bay	MA96-21	From mouths of Seapit River, Quashnet River (also known as Moonakis River), Falmouth and Great River, Mashpee to inlet of Vineyard Sound, Falmouth/Mashpee.	1.43	SQUARE MILES	Estuarine Bioassessments	
					Oxygen, Dissolved	
WHITES BROOK	MA96-102	Headwaters in channelized wetland south of Route 6A, Yarmouth to confluence with tidal portion north of Route 6A, Yarmouth.	0.3	MILES	Escherichia coli	
Wychmere Harbor	MA96-96	south of Route 28, Harwich outlet to Nantucket Sound, Harwich.	0.02	SQUARE MILES	Fecal Coliform	
Charles						
Alder Brook	MA72-22	Headwaters, perennial portion northwest of the Route 135 and South Street intersection, Needham to mouth at confluence with the Charles River, Needham.	0.3	MILES	Aquatic Macroinvertebrate Bioassessments	
					Nutrient/Eutrophication Biological Indicators	40317
Beaver Brook	MA72-12	Headwaters, outlet Beaver Pond, Bellingham to mouth at confluence with the Charles River, Bellingham.	1.4	MILES	Escherichia coli	
Beaver Brook	MA72-28	Headwaters, perennial portion north of Route 2, Lexington to mouth at confluence with the Charles River, Waltham (one culverted portion approximately 2900 feet (0.55mile)).	5.5	MILES	(Non-Native Aquatic Plants*)	
					(Other anthropogenic substrate alterations*)	
					(Other flow regime alterations*)	
					Escherichia coli	32379
					Excess Algal Growth	40317
					Organic Enrichment (Sewage) Biological Indicators	40317
					Oxygen, Dissolved	40317
					Phosphorus (Total)	40317
					Sedimentation/Siltation	
Bulloughs Pond	MA72011	Newton.	7	ACRES	Excess Algal Growth	
					Nutrient/Eutrophication Biological Indicators	
Cambridge Reservoir, Upper Basin	MA72156	Lincoln/Lexington.	44	ACRES	Aquatic Plants (Macrophytes)	
					Turbidity	
Chandler Pond	MA72017	Boston.	11	ACRES	Excess Algal Growth	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
					Nutrient/Eutrophication Biological Indicators	
					Phosphorus (Total)	
					Secchi disk transparency	
Charles River	MA72-03	From Milford WWTF discharge (NPDES: MA0100579), Hopedale to outlet Box Pond (formerly segment MA72008), Bellingham.	3.4	MILES	DDT in Fish Tissue	
					Dissolved oxygen saturation	40317
					Escherichia coli	32365
					Excess Algal Growth	40317
					Organic Enrichment (Sewage) Biological Indicators	40317
					Phosphorus (Total)	40317
Charles River	MA72-04	From outlet Box Pond, Bellingham to inlet Populatic Pond, Norfolk/Medway (one culverted portion approximately 350 feet (0.07mile)).	11.5	MILES	(Other flow regime alterations*)	
					Chlordane in Fish Tissue	
					DDT in Fish Tissue	
					Escherichia coli	32366
					Fishes Bioassessments	
					Mercury in Fish Tissue	
Charles River	MA72-05	From outlet Populatic Pond, Norfolk/Medway to South Natick Dam (NATID: MA00341), Natick.	18.1	MILES	(Non-Native Aquatic Plants*)	
					Aquatic Macroinvertebrate Bioassessments	
					Chlordane in Fish Tissue	
					DDT in Fish Tissue	
					Dissolved oxygen saturation	40317
					Excess Algal Growth	40317
					Mercury in Fish Tissue	
					Nutrient/Eutrophication Biological Indicators	40317
					Oxygen, Dissolved	40317
					Phosphorus (Total)	40317
					Turbidity	40317
Charles River	MA72-06	From South Natick Dam (NATID: MA00341), Natick to Chestnut Street, Needham/Dover.	8.2	MILES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	
					(Other flow regime alterations*)	
					DDT in Fish Tissue	
					Excess Algal Growth	40317
					Fishes Bioassessments	
					Nutrient/Eutrophication Biological Indicators	40317
					PCB in Fish Tissue	
					Phosphorus (Total)	40317
Charles River	MA72-07	From Chestnut Street, Needham/Dover to Watertown Dam (NATID: MA00456), Watertown.	24	MILES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
					(Fish-Passage Barrier*)	
					(Non-Native Aquatic Plants*)	
					(Other flow regime alterations*)	
					DDT in Fish Tissue	
					Escherichia coli	32370
					Fishes Bioassessments	
					Harmful Algal Bloom	40317
					Nutrient/Eutrophication Biological Indicators	40317
					PCB in Fish Tissue	
					Phosphorus (Total)	40317
Charles River	MA72-36	From Watertown Dam (NATID: MA00456), Watertown to the Boston University Bridge, Boston/Cambridge (formerly part of segment MA72-08).	6.1	MILES	(Fish-Passage Barrier*)	
					(Non-Native Aquatic Plants*)	
					(Other flow regime alterations*)	
					Chlorophyll-a	33826
					DDT in Fish Tissue	
					Escherichia coli	32371
					Fishes Bioassessments	
					Harmful Algal Bloom	33826
					Nutrient/Eutrophication Biological Indicators	33826
					Oil and Grease	
					Other (Unspecified Metals)	
					Oxygen, Dissolved	
					PCB in Fish Tissue	
					pH, High	
					Phosphorus (Total)	33826
					Secchi disk transparency	33826
					Sediment Bioassays -- Acute Toxicity Freshwater	
Charles River	MA72-38	From Boston University Bridge, Boston/Cambridge to mouth at the New Charles River Dam (NATID: MA01092), Boston (formerly part of segment MA72-08).	3.1	MILES	(Other flow regime alterations*)	
					Chlorophyll-a	33826
					Combined Biota/Habitat Bioassessments	
					DDT in Fish Tissue	
					Dissolved oxygen saturation	33826
					Escherichia coli	32371
					Harmful Algal Bloom	33826
					Nutrient/Eutrophication Biological Indicators	33826
					Oil and Grease	
					Oxygen, Dissolved	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
					PCB in Fish Tissue	
					Phosphorus (Total)	33826
					Salinity	
					Secchi disk transparency	33826
					Sediment Screening Value (Exceedence)	
					Taste and Odor	33826
					Temperature, water	
Chicken Brook	MA72-34	Source, outlet Waseeka Sanctuary Pond, Holliston to mouth at confluence with the Charles River, Medway.	7.4	MILES	Escherichia coli	
Crystal Lake	MA72030	Newton.	27	ACRES	Harmful Algal Bloom	
Fuller Brook	MA72-18	Headwater south of Route 135, Needham to mouth at confluence with Waban Brook, Wellesley (one culverted portion approximately 360 feet (0.07mile)).	4.3	MILES	(Physical substrate habitat alterations*)	
					Escherichia coli	32374
					Nutrient/Eutrophication Biological Indicators	40317
					Sedimentation/Siltation	
Hopping Brook	MA72-35	Source in Cedar Swamp, Holliston to mouth at confluence with the Charles River, Bellingham/Medway.	4.9	MILES	Escherichia coli	
Jamaica Pond	MA72052	Boston.	67	ACRES	Oxygen, Dissolved	
					Phosphorus (Total)	
Kendrick Street Pond	MA72055	Needham.	39	ACRES	Turbidity	
Lake Winthrop	MA72140	Holliston.	131	ACRES	(Non-Native Aquatic Plants*)	
					2,3,7,8-Tetrachlorodibenzo-p-dioxin (only)	
					Aquatic Plants (Macrophytes)	40319
Mill River	MA72-15	Headwaters, outlet Bush Pond, Norfolk to mouth at confluence with the Charles River, Norfolk.	3.5	MILES	Temperature, water	
Mine Brook	MA72-14	Headwaters in Franklin State Forest, Franklin to mouth at confluence with the Charles River, Franklin (through Mine Brook Pond, formerly MA72077) (HQW applies upstream of former Franklin WWTP discharge, approximately 4 miles upstream of mouth (note: Franklin WWTP tied into Medway (CRWPCD) on 15 January 1980)).	8.9	MILES	(Habitat Assessment (Streams)*)	
					Escherichia coli	
					Temperature, water	
Muddy River	MA72-11	Headwaters, outlet Ward Pond in Olmstead Park, Boston through Leverett Pond, Boston/Brookline to confluence with Charles River, Boston (four culverted portions totaling approximately 2200 feet (0.42mile)).	3.6	MILES	(Bottom Deposits*)	
					(Non-Native Aquatic Plants*)	
					(Other flow regime alterations*)	
					(Physical substrate habitat alterations*)	
					DDT in Fish Tissue	
					Escherichia coli	32383
					Oil and Grease	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
					Other (Unspecified Metals in Sediments)	
					Oxygen, Dissolved	
					PCB in Fish Tissue	
					Phosphorus (Total)	
					Taste and Odor	
					Turbidity	
Populatic Pond	MA72096	Norfolk.	42	ACRES	Chlordane in Fish Tissue	
					DDT in Fish Tissue	
					Dissolved oxygen saturation	40319
					Excess Algal Growth	40319
					Mercury in Fish Tissue	33880
					Nutrient/Eutrophication Biological Indicators	40319
					Oxygen, Dissolved	40319
Powissett Brook	MA72-20	Headwaters, outlet Noannet Pond, Westwood to mouth at confluence with the Charles River, Dover.	1.9	MILES	Combined Biota/Habitat Bioassessments	
Rock Meadow Brook	MA72-21	Headwaters, Fisher Meadow, Westwood to mouth at confluence with the Charles River, Dedham.	3.8	MILES	Aquatic Macroinvertebrate Bioassessments	
					Excess Algal Growth	40317
					Nutrient/Eutrophication Biological Indicators	40317
					Oxygen, Dissolved	40317
					Phosphorus (Total)	40317
Sawmill Brook	MA72-23	Headwaters, Newton to mouth at confluence with the Charles River, Boston.	2.4	MILES	Chloride	
					Escherichia coli	32376
					Organic Enrichment (Sewage) Biological Indicators	40317
					Oxygen, Dissolved	40317
					Phosphorus (Total)	40317
SEAVERNS BROOK	MA72-44	Headwaters outlet Norumbega Reservoir, Weston to mouth at confluence with the Charles River, Weston.	1.6	MILES	Escherichia coli	
Stop River	MA72-09	Headwaters south of Route 1A, Wrentham to Norfolk-Walpole MCI discharge (NPDES: MA0102253), Norfolk (through Highland Lake formerly MA72047).	4.9	MILES	Ambient Bioassays -- Chronic Aquatic Toxicity	
					Oxygen, Dissolved	40317
					Phosphorus (Total)	40317
Stop River	MA72-10	From Norfolk-Walpole MCI discharge, Norfolk to confluence with Charles River, Medfield.	4.2	MILES	Organic Enrichment (Sewage) Biological Indicators	40317
					Phosphorus (Total)	40317
					Temperature, water	
Trout Brook	MA72-19	Headwaters, outlet Channings Pond, Dover to mouth at confluence with the Charles River, Dover.	2.8	MILES	Nutrient/Eutrophication Biological Indicators	40317
					Temperature, water	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
Unnamed Tributary	MA72-30	Locally known as "Laundry Brook" - emerges north of California Street, Watertown to mouth at confluence with the Charles River, Watertown (stream not depicted on 1987 Newton USGS map).	0.02	MILES	(Physical substrate habitat alterations*)	
					Enterococcus	32381
					Escherichia coli	32381
					Phosphorus (Total)	
					Taste and Odor	
					Total Suspended Solids (TSS)	
					Turbidity	
Unnamed Tributary	MA72-31	Locally known as "Millers River" - from emergence near Route 93, Cambridge/Boston to mouth at confluence with the Charles River, Cambridge.	0.2	MILES	(Bottom Deposits*)	
					(Debris/Floatables/Trash*)	
					(Habitat Assessment (Streams)*)	
					Foam/Flocs/Scum/Oil Slicks	
					Other (Unspecified Metals)	
					Petroleum Hydrocarbons	
					Polychlorinated biphenyls	
					Polycyclic Aromatic Hydrocarbons (PAHs) (Aquatic Ecosystems)	
					Sedimentation/Siltation	
					Taste and Odor	
					Turbidity	
Unnamed Tributary	MA72-41	Unnamed tributary to the Charles River, outlet Lymans Pond, Dover to mouth at confluence with the Charles River, Dover.	0.5	MILES	Escherichia coli	
Unnamed Tributary	MA72-43	Unnamed tributary to Morses Pond, headwaters outlet Reeds Pond, Wellesley to mouth at confluence with Morses Pond, Wellesley.	0.2	MILES	Escherichia coli	
Waban Brook	MA72-17	Headwaters, outlet Lake Waban, Wellesley to mouth at confluence with the Charles River, Wellesley.	0.7	MILES	Temperature, water	
Chicopee						
Abbey Brook	MA36-40	Headwaters west of Saint James Avenue, Springfield through Bemis Pond (formely reported as segment MA36011) to mouth at confluence with the Chicopee River, Chicopee.	1.5	MILES	Escherichia coli	
					Total Suspended Solids (TSS)	
Alden Pond	MA36003	Ludlow.	4	ACRES	Nutrient/Eutrophication Biological Indicators	
Brookhaven Lake	MA36021	West Brookfield.	34	ACRES	Turbidity	
Browning Pond	MA36025	Oakham/Spencer.	106	ACRES	(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	
					Nutrient/Eutrophication Biological Indicators	3626
Chicopee Brook	MA36-21	Headwaters, east of Peaked Mountain, Monson (through Chicopee Brook Pond, formerly segment MA36031) to mouth at confluence with Quaboag River, Monson.	9.9	MILES	Escherichia coli	
Chicopee River	MA36-22	Source, confluence of Ware River and Quaboag River, Palmer	2.8	MILES	Escherichia coli	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
		(through Red Bridge Impoundment formerly segment MA36171) to Red Bridge Impoundment Dam (NATID: MA00723), Wilbraham/Ludlow.			Mercury in Fish Tissue	
Chicopee River	MA36-24	Wilbraham Pumping Station (old WWTP), Wilbraham/Ludlow to Chicopee Falls Dam (NATID: MA00719), Chicopee.	8.8	MILES	Escherichia coli	
					Fecal Coliform	
Chicopee River	MA36-25	Chicopee Falls Dam (NATID: MA00719), Chicopee to mouth at confluence with Connecticut River, Chicopee.	3	MILES	Escherichia coli	
DANFORTH BROOK	MA36-50	Headwaters, east of Charity Road, Hardwick to mouth at confluence with Ware River, Hardwick.	5.8	MILES	Escherichia coli	
Dean Pond	MA36050	Oakham.	64	ACRES	Excess Algal Growth	
					Turbidity	
Doane Pond	MA36054	North Brookfield.	28	ACRES	Aquatic Plants (Macrophytes)	
Eames Pond	MA36056	Paxton.	58	ACRES	Oxygen, Dissolved	
East Branch Ware River	MA36-01	Headwaters, outlet Bickford Pond, Hubbardston to mouth at confluence with West Branch Ware River (forming headwaters of Ware River), Barre.	12.4	MILES	Oxygen, Dissolved	
East Brookfield River	MA36-13	Headwaters, outlet Lake Lashaway, East Brookfield to mouth at inlet Quaboag Pond, East Brookfield.	2.4	MILES	(Non-Native Aquatic Plants*)	
					Oxygen, Dissolved	
Forget-Me-Not Brook	MA36-18	Headwaters, North Brookfield to North Brookfield WWTP discharge (NPDES: MA0101061), North Brookfield.	1.2	MILES	Escherichia coli	
Forget-Me-Not Brook	MA36-28	North Brookfield WWTP discharge (NPDES: MA0101061), North Brookfield to mouth at confluence with Dunn Brook, East Brookfield/Brookfield.	1.3	MILES	Aquatic Macroinvertebrate Bioassessments	
					Whole Effluent Toxicity (WET)	
Fuller Brook	MA36-41	From the Ludlow/Chicopee corporate boundary where the stream name changes from Higher Brook, to mouth at confluence with the Chicopee River, Chicopee.	1.9	MILES	Escherichia coli	
Lake Lorraine	MA36084	Springfield.	28	ACRES	(Non-Native Aquatic Plants*)	
					Enterococcus	
Lake Whittemore	MA36165	Spencer.	52	ACRES	Turbidity	
Prince River	MA36-08	Headwaters, outlet Hemingway Pond, Barre to mouth at confluence with Ware River, Barre (excluding approximately 0.6 miles through Old Reservoir, segment MA36114).	7.1	MILES	Escherichia coli	
Quaboag Pond	MA36130	Brookfield/East Brookfield.	544	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	
					Excess Algal Growth	33846
					Mercury in Fish Tissue	
					Phosphorus (Total)	33846
Quaboag River	MA36-15	Route 67 bridge, West Brookfield to Warren WWTP discharge (NPDES: MA0101567), Warren.	6.2	MILES	Escherichia coli	
Quaboag River	MA36-16	Warren WWTP discharge (NPDES: MA0101567), Warren to Route 32 bridge, Palmer/Monson.	8.7	MILES	Escherichia coli	
					Fecal Coliform	
Quaboag River	MA36-17	Route 32 bridge, Palmer/Monson to mouth at confluence with Ware River (forming headwaters of Chicopee River), Palmer.	5.3	MILES	Escherichia coli	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
Sevenmile River	MA36-11	Headwaters, outlet Browning Pond, Spencer to confluence with Cranberry River, Spencer.	7.3	MILES	Escherichia coli	
Sevenmile River	MA36-12	Confluence with Cranberry River, Spencer to mouth at confluence with East Brookfield River, East Brookfield.	2.5	MILES	Escherichia coli	
Unnamed Tributary	MA36-39	Unnamed tributary to the Chicopee River locally known as "Poor Brook" from headwaters near the Conrail tracks, Springfield to mouth at confluence with the Chicopee River, Chicopee.	2.2	MILES	(Bacterial Slimes*)	
					(Debris/Floatables/Trash*)	
					Escherichia coli	
Ware River	MA36-03	MDC intake, Barre to dam at South Barre Reservoir (NATID: MA00091), Barre (through former segments Powder Mill Pond MA36126 and South Barre Reservoir MA36141).	2.1	MILES	Mercury in Fish Tissue	
Ware River	MA36-05	Wheelwright Pond Dam (NATID: MA00616), New Braintree/Hardwick to Ware Impoundment dam (NATID: MA00594), Ware.	11.5	MILES	Escherichia coli	
Ware River	MA36-06	Ware Impoundment dam (NATID: MA00594), Ware to Thorndike Dam (NATID: MA00563), Palmer.	10.1	MILES	Escherichia coli	
					Fecal Coliform	
Ware River	MA36-27	Confluence of East Branch Ware and West Branch Ware rivers, Barre to MDC intake, Barre.	4.9	MILES	Oxygen, Dissolved	
					Temperature, water	
Concord (SuAsCo)						
Assabet River	MA82B-01	Headwaters, outlet Assabet River Reservoir, Westborough to the Westborough WWTP discharge (NPDES: MA0100412), Westborough.	1.2	MILES	(Low flow alterations*)	
					Aquatic Macroinvertebrate Bioassessments	
					Phosphorus (Total)	35103
Assabet River	MA82B-02	From the Westborough WWTP discharge (NPDES: MA0100412), Westborough to the dam (NATID: MA02843) Route 20, Northborough.	3.8	MILES	(Aquatic Plants (Macrophytes)*)	
					Aquatic Macroinvertebrate Bioassessments	
					Escherichia coli	
					Excess Algal Growth	35104
					Fecal Coliform	
					Nutrient/Eutrophication Biological Indicators	35104
					Oxygen, Dissolved	35104
					Phosphorus (Total)	35104
Assabet River	MA82B-03	From the dam (NATID: MA02843) Route 20, Northborough to the Marlborough West WWTP discharge (NPDES: MA0100480), Marlborough.	2.4	MILES	(Debris/Floatables/Trash*)	
					(Non-Native Aquatic Plants*)	
					Escherichia coli	
					Excess Algal Growth	35105
					Fecal Coliform	
					Nutrient/Eutrophication Biological Indicators	35105
					Phosphorus (Total)	35105
					Taste and Odor	
Assabet River	MA82B-04	From the Marlborough West WWTP discharge (NPDES: MA0100480), Marlborough to the Hudson WWTP discharge (NPDES: MA0101788), Hudson.	8	MILES	Aquatic Macroinvertebrate Bioassessments	
					Aquatic Plants (Macrophytes)	35106

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
					Escherichia coli	
					Excess Algal Growth	35106
					Fecal Coliform	
					Fishes Bioassessments	
					Oxygen, Dissolved	35106
					Phosphorus (Total)	35106
Assabet River	MA82B-05	From the Hudson WWTP discharge (NPDES: MA0101788), Hudson to the USGS gage (#01097000) at Routes 27/62, Maynard.	8.2	MILES	(Debris/Floatables/Trash*)	
					(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	35107
					Escherichia coli	
					Excess Algal Growth	35107
					Fecal Coliform	
					Nutrient/Eutrophication Biological Indicators	35107
					Oxygen, Dissolved	35107
					Phosphorus (Total)	35107
					Taste and Odor	
Assabet River	MA82B-06	From the USGS gage (#01097000) at Routes 27/62, Maynard to the Powdermill Dam (NATID: MA00128), Acton.	1.2	MILES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	35108
					Excess Algal Growth	35108
					Other (Unspecified Metals and Priority Organics)	
					Oxygen, Dissolved	35108
					Phosphorus (Total)	35108
					Temperature, water	
Assabet River	MA82B-07	From the Powdermill Dam (NATID: MA00128), Acton to mouth at confluence with the Sudbury River (forming headwaters Concord River), Concord.	6.4	MILES	Escherichia coli	
					Fecal Coliform	
					Phosphorus (Total)	35109
Assabet River Reservoir	MA82004	Westborough.	355	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					Dissolved oxygen saturation	
					Excess Algal Growth	
					Mercury in Fish Tissue	33880
					Oxygen, Dissolved	
					Turbidity	
BEAVER BROOK	MA82A-34	Headwaters south at Rack Road, Chelmsford to mouth at confluence with River Meadow Brook, Chelmsford.	6.3	MILES	Escherichia coli	
Carding Mill Pond	MA82015	Sudbury.	40	ACRES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	
					Dissolved oxygen saturation	
					Excess Algal Growth	
					Phosphorus (Total)	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
Coles Brook	MA82B-22	Headwaters, east of Francine Road, Acton to mouth at confluence with Fort Pond Brook, Acton.	2	MILES	Escherichia coli	
Concord River	MA82A-07	Headwaters, confluence Assabet and Sudbury rivers, Concord to Billerica Water Supply intake, Billerica.	10.4	MILES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	
					Escherichia coli	
					Fecal Coliform	
					Mercury in Fish Tissue	
Concord River	MA82A-08	From Billerica Water Supply intake, Billerica to Rogers Street bridge, Lowell.	5.1	MILES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	
Concord River	MA82A-09	From Rogers Street bridge, Lowell to mouth at confluence with the Merrimack River, Lowell.	0.9	MILES	(Debris/Floatables/Trash*)	
					Escherichia coli	
					Excess Algal Growth	
					Fecal Coliform	
					Mercury in Fish Tissue	
					Turbidity	
Dean Park Pond	MA82026	Shrewsbury.	7	ACRES	Harmful Algal Bloom	
Dudley Pond	MA82029	Wayland.	83	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	
					Oxygen, Dissolved	
					Turbidity	
Eames Brook	MA82A-13	Headwaters, outlet Farm Pond, Framingham to mouth at confluence with the Sudbury River, Framingham.	0.6	MILES	(Debris/Floatables/Trash*)	
					(Non-Native Aquatic Plants*)	
					Aquatic Macroinvertebrate Bioassessments	
					Excess Algal Growth	
					Taste and Odor	
Elizabeth Brook	MA82B-12	From the outlet of an unnamed pond (Delaney Project on Stow/Harvard border) west of Harvard Road, Stow to mouth at inlet of Fletchers Pond, Stow.	3.7	MILES	Aquatic Macroinvertebrate Bioassessments	
					Escherichia coli	
Farm Pond	MA82035	Framingham.	139	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	
					Excess Algal Growth	
					Turbidity	
Fort Meadow Reservoir	MA82042	Marlborough/Hudson.	254	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					Chlordane in Fish Tissue	
					Phosphorus (Total)	
Framingham Reservoir #1	MA82044	Framingham.	117	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
					Mercury in Fish Tissue	
Framingham Reservoir #2	MA82045	Framingham/Ashland.	114	ACRES	Mercury in Fish Tissue	
					Turbidity	
Grist Mill Pond	MA82055	Sudbury/Marlborough.	17	ACRES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	
					Dissolved oxygen saturation	
					Excess Algal Growth	
					Fecal Coliform	
					Phosphorus (Total)	
Hager Pond	MA82056	Marlborough.	30	ACRES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	
					Dissolved oxygen saturation	
					Excess Algal Growth	
					Fecal Coliform	
					Phosphorus (Total)	
					Turbidity	
Heard Pond	MA82058	Wayland.	76	ACRES	(Non-Native Aquatic Plants*)	
					Excess Algal Growth	
					Mercury in Fish Tissue	
					Secchi disk transparency	
Heart Pond	MA82059	Chelmsford/Westford.	94	ACRES	Escherichia coli	
Hocomonco Pond	MA82060	Westborough.	27	ACRES	Polycyclic Aromatic Hydrocarbons (PAHs) (Aquatic Ecosystems)	
Hop Brook	MA82A-05	Headwaters, outlet Carding Mill Pond, Sudbury to mouth at confluence with Allowance Brook, Sudbury (through Stearns Mill Pond; formerly segment MA82104) (Allowance Brook was identified as Landham Brook on USGS quads prior to 1987).	6.7	MILES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	
					Dissolved oxygen saturation	
					Escherichia coli	
					Excess Algal Growth	
					Oxygen, Dissolved	
					Phosphorus (Total)	
					Turbidity	
Hop Brook	MA82A-06	From the confluence of Allowance Brook, Sudbury to the confluence with the Sudbury River, Wayland (this segment was formerly identified as Wash Brook, Hop Brook appeared as Wash Brook and Allowance Brook was previously identified as Landham Brook on USGS quads prior to 1987).	3	MILES	Oxygen, Dissolved	
					Phosphorus (Total)	
Hopkinton Reservoir	MA82061	Hopkinton/Ashland.	161	ACRES	(Non-Native Aquatic Plants*)	
					Oxygen, Dissolved	
Lake Cochituate	MA82020	[North Basin] Natick/Framingham/Wayland.	196	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					Oxygen, Dissolved	
					PCB in Fish Tissue	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
Lake Cochituate	MA82125	[Middle Basin] Natick/Wayland.	134	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	
					Enterococcus	
					Oxygen, Dissolved	
					PCB in Fish Tissue	
Lake Cochituate	MA82126	[Carling Basin] Natick.	14	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	
					PCB in Fish Tissue	
Lake Cochituate	MA82127	[South Basin] Natick.	239	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	
					Oxygen, Dissolved	
					PCB in Fish Tissue	
Long Pond	MA82072	Littleton.	102	ACRES	Excess Algal Growth	
					Oxygen, Dissolved	
					Phosphorus (Total)	
Nashoba Brook	MA82B-14	From source just south of Route 110, Westford to mouth at confluence with Fort Pond Brook, Concord (through Ice House Pond; formerly segment MA82066).	9.4	MILES	(Low flow alterations*)	
					Escherichia coli	
					Fishes Bioassessments	
Nutting Lake	MA82088	[East Basin] Billerica.	30	ACRES	(Non-Native Aquatic Plants*)	
					Escherichia coli	
					Mercury in Fish Tissue	33880
Pantry Brook	MA82A-19	From source west of Haynes Road, Sudbury to mouth at confluence with the Sudbury River, Sudbury.	3.1	MILES	Fecal Coliform	
Puffers Pond	MA82092	Maynard/Sudbury.	28	ACRES	Mercury in Fish Tissue	
River Meadow Brook	MA82A-10	Headwaters, outlet Russell Mill Pond, Chelmsford to mouth at confluence with the Concord River, Lowell.	6.4	MILES	(Debris/Floatables/Trash*)	
					(Non-Native Aquatic Plants*)	
					Escherichia coli	
					Fecal Coliform	
Saxonville Pond	MA82097	Framingham.	59	ACRES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	
					Mercury in Fish Tissue	
Sudbury River	MA82A-03	Outlet Saxonville Pond, Framingham to confluence with Hop Brook (the lower portion of Hop Brook was identified as Wash Brook on USGS quads prior to 1987), Wayland.	5.5	MILES	Escherichia coli	
					Mercury in Fish Tissue	
Sudbury River	MA82A-04	Confluence with Hop Brook (the lower portion of Hop Brook was identified as Wash Brook on USGS quads prior to 1987), Wayland to confluence with Assabet River (forming headwaters Concord River), Concord.	11.7	MILES	(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	
Sudbury River	MA82A-25	From the Fruit Street bridge Hopkinton/Westborough to the inlet of Framingham Reservoir #2, Ashland (formerly part of segment MA82A-02).	6.3	MILES	Escherichia coli	
					Mercury in Fish Tissue	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
Sudbury River	MA82A-26	Outlet Framingham Reservoir #1, Framingham to inlet of Saxonville Pond, Framingham (formerly part of segment MA82A-02).	2.8	MILES	Aquatic Macroinvertebrate Bioassessments	
					Mercury in Fish Tissue	
Unnamed Tributary	MA82A-15	Headwaters, northeast of Indian Head Hill (near Route 20), Marlborough to mouth at inlet of Hager Pond, Marlborough.	1.1	MILES	Excess Algal Growth	
					Oxygen, Dissolved	
					Phosphorus (Total)	
					Total Suspended Solids (TSS)	
Unnamed Tributary	MA82A-16	Headwaters, outlet Hager Pond, Marlborough to mouth at inlet of Grist Mill Pond, Marlborough.	0.2	MILES	Dissolved oxygen saturation	
					Excess Algal Growth	
					Oxygen, Dissolved	
					pH, High	
					Phosphorus (Total)	
					Total Suspended Solids (TSS)	
Unnamed Tributary	MA82A-17	Headwaters, outlet Grist Mill Pond, Sudbury to mouth at inlet of Carding Mill Pond, Sudbury.	0.5	MILES	Dissolved oxygen saturation	
					Excess Algal Growth	
					Oxygen, Dissolved	
					Phosphorus (Total)	
					Total Suspended Solids (TSS)	
Unnamed Tributary	MA82A-22	Unnamed tributary to the Sudbury River locally known as Cochituate Brook, headwaters, outlet north basin of Lake Cochituate, Framingham to mouth at confluence with Sudbury River, Framingham.	1.4	MILES	(Debris/Floatables/Trash*)	
					Aquatic Macroinvertebrate Bioassessments	
					Escherichia coli	
					Nutrient/Eutrophication Biological Indicators	
Waushakum Pond	MA82112	Framingham/Ashland.	87	ACRES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	
					Oxygen, Dissolved	
					Phosphorus (Total)	
					Turbidity	
Whitehall Reservoir	MA82120	Hopkinton.	560	ACRES	(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	33880
					Oxygen, Dissolved	
					Phosphorus (Total)	
Connecticut						
Arcadia Lake	MA34005	Belchertown.	32	ACRES	(Non-Native Aquatic Plants*)	
					Nutrient/Eutrophication Biological Indicators	
Bachelor Brook	MA34-07	Outlet Forge Pond, Granby to mouth at confluence with Connecticut River, South Hadley (through former segments Aldrich Lake [East Basin] MA34002 and Aldrich Lake [West Basin] MA34106).	11.5	MILES	Escherichia coli	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
Barton Cove	MA34122	(CT River) Gill.	160	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	
					Escherichia coli	
					PCB in Fish Tissue	
Bloody Brook	MA34-36	Headwaters, perennial portion, from the railroad tracks north of North Main Street, Deerfield to mouth at confluence with Mill River, Whately.	3.7	MILES	Escherichia coli	
					Oxygen, Dissolved	
					Phosphorus (Total)	
					Turbidity	
Buttery Brook	MA34-42	Headwaters (perennial portion), west of Haig Avenue, South Hadley to mouth at confluence with the Connecticut River, South Hadley (interrupted urban, approximately 1200 feet culverted).	1.6	MILES	Escherichia coli	
Connecticut River	MA34-01	New Hampshire/Massachusetts state line, Northfield to Route 10 bridge, Northfield.	3.5	MILES	(Alteration in stream-side or littoral vegetative covers*)	
					(Other flow regime alterations*)	
					PCB in Fish Tissue	
Connecticut River	MA34-02	Route 10 bridge, Northfield to Turners Falls dams (NATID: MA00848 and MA00849), Gill/Montague (excluding the delineated segment; Barton Cove MA34019).	11.4	MILES	(Alteration in stream-side or littoral vegetative covers*)	
					(Other flow regime alterations*)	
					PCB in Fish Tissue	
Connecticut River	MA34-03	Turners Falls dams (NATID: MA00848 and MA00849), Gil/Montague to confluence with Deerfield River, Greenfield/Deerfield.	3.7	MILES	(Low flow alterations*)	
					(Other flow regime alterations*)	
					Escherichia coli	
					PCB in Fish Tissue	
					Total Suspended Solids (TSS)	
Connecticut River	MA34-04	Confluence with Deerfield River, Greenfield/Deerfield to Holyoke Dam (NATID: MA00973), Holyoke/South Hadley.	34.5	MILES	Escherichia coli	
					PCB in Fish Tissue	
Connecticut River	MA34-05	Holyoke Dam (NATID: MA00973), Holyoke/South Hadley to Massachusetts/Connecticut border, Longmeadow.	15.9	MILES	Escherichia coli	
					PCB in Fish Tissue	
Forge Pond	MA34024	Granby.	72	ACRES	(Non-Native Aquatic Plants*)	
					Nutrient/Eutrophication Biological Indicators	
Fort River	MA34-27	Headwaters (confluence of Adams and Amethyst brooks, Amherst), to mouth at confluence Connecticut River, Hadley.	12.8	MILES	Escherichia coli	
Lake Lookout	MA34044	Springfield.	7	ACRES	Nutrient/Eutrophication Biological Indicators	
Lampson Brook	MA34-06	Belchertown WWTP discharge, Belchertown to mouth at confluence with Weston Brook, Belchertown.	1.2	MILES	Oxygen, Dissolved	
					Phosphorus (Total)	
Leaping Well Reservoir	MA34040	South Hadley.	9	ACRES	Excess Algal Growth	
Log Pond Cove	MA34124	Holyoke.	19	ACRES	(Non-Native Aquatic Plants*)	
					PCB in Fish Tissue	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
Longmeadow Brook	MA34-21	Headwaters, outlet Turner Park Pond, Longmeadow to mouth at confluence with Connecticut River, Longmeadow.	4.5	MILES	(Debris/Floatables/Trash*)	
					Escherichia coli	
					Phosphorus (Total)	
					Turbidity	
Manhan River	MA34-11	Outlet Tighe Carmody Reservoir, Southampton to mouth at confluence with Connecticut River, Easthampton.	18.9	MILES	Escherichia coli	
Metacomet Lake	MA34051	Belchertown.	51	ACRES	(Non-Native Aquatic Plants*)	
					Oxygen, Dissolved	
Mill Pond	MA34052	Springfield.	13	ACRES	Nutrient/Eutrophication Biological Indicators	
					Taste and Odor	
Mill River	MA34-25	Headwaters, outlet Factory Hollow Pond, Amherst to mouth at inlet Lake Warner, Hadley.	5.2	MILES	Escherichia coli	
Mill River	MA34-29	Headwaters, outlet Watershops Pond, Springfield to mouth at confluence with Connecticut River, Springfield. (Interrupted stream).	1.3	MILES	(Debris/Floatables/Trash*)	
					Escherichia coli	
					Taste and Odor	
Nashawannuck Pond	MA34057	Easthampton.	30	ACRES	(Non-Native Aquatic Plants*)	
					Nutrient/Eutrophication Biological Indicators	
					Phosphorus (Total)	
Noonan Cove	MA34058	Springfield.	3	ACRES	Aquatic Plants (Macrophytes)	
					Turbidity	
Oxbow	MA34066	The water body west of Route 91 (bounded on the northeast by Route 91, the southeast by the Manhan River, and the west by Old Springfield Road), Northampton/Easthampton (excluding the delineated segment; Danks Pond MA34019).	149	ACRES	(Non-Native Aquatic Plants*)	
					Turbidity	
Porter Lake	MA34073	Springfield.	28	ACRES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	
					Excess Algal Growth	
Porter Lake West	MA34072	Springfield.	5	ACRES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	
					Excess Algal Growth	
Scantic River	MA34-30	Massachusetts/Connecticut border, Monson downstream to the Massachusetts/Connecticut border, Hampden.	9.6	MILES	Escherichia coli	
Stony Brook	MA34-19	Headwaters, Granby to mouth at confluence with Connecticut River, South Hadley (thru Upper Pond formerly segment MA34095 and Lower Pond formerly segment MA34049).	13.3	MILES	(Non-Native Aquatic Plants*)	
					Escherichia coli	
					Turbidity	
Unnamed Tributary	MA34-60	Unnamed tributary to the Connecticut River, locally known as 'Willamanett Brook', headwaters, perennial portion, east of Memorial Drive (Route 33), Chicopee to mouth at confluence with Connecticut River, Chicopee (approximatley 1200 feet culverted near mouth).	2.3	MILES	Escherichia coli	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
Upper Van Horn Park Pond	MA34128	Springfield (Changed from MA36158 to 34128 on 6/21/02, TRD).	8	ACRES	Nutrient/Eutrophication Biological Indicators	
					Phosphorus (Total)	
Venture Pond	MA34096	Springfield.	7	ACRES	Nutrient/Eutrophication Biological Indicators	
					Oxygen, Dissolved	
					Phosphorus (Total)	
Watershops Pond	MA34099	Springfield.	161	ACRES	Nutrient/Eutrophication Biological Indicators	
Weston Brook	MA34-23	Headwaters, south of State Street (Route 202), Belchertown to mouth at inlet Forge Pond, Granby (WWF applies from the confluence of Lampson Brook in Belchertown to the mouth).	2.7	MILES	Phosphorus (Total)	
Wilton Brook	MA34-15	Headwaters, perennial portion, Easthampton to outlet RubberThread Pond (formerly segment MA34105) , Easthampton.	1.1	MILES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	
Deerfield						
Bear River	MA33-17	Headwaters west of Barnes Road, Ashfield to confluence with Deerfield River, Conway.	6.9	MILES	Temperature, water	
CHERRY RUM BROOK	MA33-97	Headwaters, northeast of Stoneleigh Burnham Drive, Greenfield to confluence with Green River, Greenfield.	2.1	MILES	Aquatic Macroinvertebrate Bioassessments	
Davis Mine Brook	MA33-18	Headwaters, south of Dell Road, Rowe to confluence with Mill Brook, Charlemont.	3.3	MILES	Fishes Bioassessments	
					pH, Low	
Deerfield River	MA33-03	Confluence with North River, Charlemont/Shelburne to confluence with Green River, Greenfield.	16.8	MILES	Escherichia coli	
Deerfield River	MA33-04	Confluence with Green River, Greenfield to confluence with Connecticut River, Greenfield/Deerfield.	2	MILES	Escherichia coli	
Dragon Brook	MA33-20	Headwaters, perennial portion north of Patten Road, Shelburne to confluence with the Deerfield River, Shelburne.	4.4	MILES	Temperature, water	
East Branch North River	MA33-19	Vermont line, Colrain to confluence with West Branch North River, Colrain.	7.5	MILES	Escherichia coli	
Green River	MA33-30	From Swimming Pool #2 Dam (National Dam ID MA02321) northwest of Nashs Mill Road, Greenfield to confluence with the Deerfield River, Greenfield (formerly segment MA33-10 and part of segment MA33-09) (HQW applies upstream of former Greenfield WWTF discharge (NPDES# MA0101214), from approximately 0.5 mile upstream of mouth).	3.7	MILES	Escherichia coli	
					Fecal Coliform	
					Turbidity	
Hinsdale Brook	MA33-21	Headwaters east of Fiske Mill Road, Shelburne to confluence with Punch Brook, Greenfield.	2.8	MILES	Escherichia coli	
MILL BROOK	MA33-70	Headwaters, north of West Mountain Road, Bernardston to confluence with Cherry Rum Brook, Greenfield.	8.4	MILES	Aquatic Macroinvertebrate Bioassessments	
Pelham Lake	MA33016	Rowe.	80	ACRES	Mercury in Fish Tissue	
Sherman Reservoir	MA33018	Massachusetts portion only. Rowe/Monroe.	72	ACRES	Mercury in Fish Tissue	
South River	MA33-07	Headwaters, outlet Ashfield Pond, Ashfield to Emments Road, Ashfield.	2.3	MILES	Temperature, water	
SOUTH RIVER	MA33-101	Emments Road, Ashfield to confluence with Johnny Bean Brook, Conway (formerly part of MA33-08).	6.1	MILES	Escherichia coli	
					Fecal Coliform	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
SOUTH RIVER	MA33-102	From confluence with Johnny Bean Brook, Conway to confluence with Deerfield River, Conway (formerly part of MA33-08), (through South River Impoundment formerly segment MA33022).	6.8	MILES	(Physical substrate habitat alterations*)	
					Escherichia coli	
					Fecal Coliform	
Farmington						
Benton Brook	MA31-11	Headwaters, drainage from Hayden Swamp, Otis to mouth at confluence with the West Branch Farmington River, Otis.	5.2	MILES	Aquatic Macroinvertebrate Bioassessments	
Big Pond	MA31004	Otis.	325	ACRES	Mercury in Fish Tissue	33880
					Oxygen, Dissolved	
CRANBERRY POND BROOK	MA31-21	Headwaters, outlet Cranberry Pond, Tolland to mouth at confluence with Slocum Brook, Tolland.	1.6	MILES	Lack of a coldwater assemblage	
PALMER BROOK	MA31-29	Headwaters, outlet Palmer Brook Dam (NATID: MA00205), Becket to mouth at inlet Ward Pond, Becket.	2.1	MILES	Lack of a coldwater assemblage	
POND BROOK	MA31-33	Headwaters, outlet Noyes Pond, Tolland to mouth at confluence with Babcock Brook, Tolland.	2	MILES	Lack of a coldwater assemblage	
Shaw Pond	MA31036	Becket/Otis.	80	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					Oxygen, Dissolved	
SPECTACLE POND BROOK	MA31-27	Headwaters, south of West Center Road, Otis to mouth at inlet Upper Spectacle Pond, Otis.	1.5	MILES	Lack of a coldwater assemblage	
Thomas Brook	MA31-06	Headwaters, outlet Thomas Pond, Becket to mouth at confluence with unnamed tributary to Hayden Pond, Otis.	0.8	MILES	Lack of a coldwater assemblage	
Upper Spectacle Pond	MA31044	Sandisfield/Otis.	53	ACRES	Oxygen, Dissolved	
West Branch Farmington River	MA31-01	Headwaters, outlet Hayden Pond, Otis to the MA/CT border in the Colebrook Reservoir, Sandisfield/Tolland.	16.1	MILES	Lack of a coldwater assemblage	
					Temperature, water	
York Lake	MA31052	New Marlborough.	29	ACRES	Oxygen, Dissolved	
French						
Burncoat Brook	MA42-07	Headwaters, outlet Bouchard Pond, Leicester to mouth at confluence with Town Meadow Brook, Leicester (through former pond segment Ballard Hill Pond MA42069).	1	MILES	Aquatic Macroinvertebrate Bioassessments	
					Escherichia coli	
Carbuncle Pond	MA42008	Oxford.	11	ACRES	Harmful Algal Bloom	
French River	MA42-03	Headwaters, outlet Greenville Pond, Leicester to the outlet of Thayers Pond, Oxford (excluding approximately 0.6 miles through Rochdale Pond segment MA42048) (through former pond segments Texas Pond MA42058 and Thayers Pond MA42059).	3.8	MILES	Mercury in Fish Tissue	
French River	MA42-04	From dam (NAT ID: MA01946) just upstream of Clara Barton Road, Oxford, to dam (NAT ID: MA00108) at North Village, Webster/Dudley.	9.6	MILES	Mercury in Fish Tissue	
French River	MA42-05	Dam (NAT ID: MA00108) at North Village, Webster/Dudley to Webster WWTP outfall (NPDES: MA0100439) , Webster/Dudley.	2.4	MILES	(Other flow regime alterations*)	
					Aquatic Macroinvertebrate Bioassessments	
French River	MA42-06	Webster WWTP outfall (NPDES: MA0100439) , Webster/Dudley to state line, Dudley, MA/Thompson,CT.	1	MILES	Aquatic Macroinvertebrate Bioassessments	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
					Sediment Screening Value (Exceedence)	
Grindstone Brook	MA42-18	Headwaters outlet Henshaw Pond, Leicester to mouth at inlet Rochdale Pond, Leicester.	2.3	MILES	Escherichia coli	
Little River	MA42-13	Headwaters, outlet Pikes Pond, Charlton to inlet Buffumville Lake, Charlton (formerly part of segment MA42-09).	3.5	MILES	Aquatic Macroinvertebrate Bioassessments	
					Oxygen, Dissolved	
Sucker Brook	MA42-15	Headwaters, outlet Nipmuck Pond, Webster to mouth at inlet Club Pond, Webster.	1.7	MILES	Aquatic Macroinvertebrate Bioassessments	
					Escherichia coli	
Webster Lake	MA42064	Webster.	1275	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	
					(Nonnative Fish, Shellfish, or Zooplankton*)	
					Oxygen, Dissolved	
Wellington Brook	MA42-11	Headwaters south of Cedar Street, Auburn to mouth at confluence with French River, Oxford.	3.4	MILES	Escherichia coli	
Housatonic						
East Branch Housatonic River	MA21-01	Headwaters, outlet Muddy Pond, Washington to the outlet of Center Pond, Dalton (Center Pond formerly segment MA21016).	11.2	MILES	PCB in Fish Tissue	
East Branch Housatonic River	MA21-02	Outlet of Center Pond, Dalton to mouth at confluence with the Housatonic River, Pittsfield.	8	MILES	Escherichia coli	
					Fecal Coliform	
					PCB in Fish Tissue	
Goodrich Pond	MA21042	Pittsfield.	15	ACRES	PCB in Fish Tissue	
Housatonic River	MA21-04	Headwaters, confluence of Southwest Branch Housatonic River and West Branch Housatonic River, Pittsfield to Woods Pond dam (NATID: MA00731), Lee/Lenox (pond was formerly segment MA21120).	12.3	MILES	(Non-Native Aquatic Plants*)	
					Escherichia coli	
					Fecal Coliform	
					PCB in Fish Tissue	
					Polychlorinated biphenyls	
Housatonic River	MA21-19	Outlet of Woods Pond dam (NATID: MA00731), Lee/Lenox to the Risingdale Impoundment dam (NATID: MA00250), Great Barrington (impoundment formerly segment MA21121).	19.9	MILES	(Zebra mussel, Dreissena polymorph*)	
					Excess Algal Growth	
					PCB in Fish Tissue	
					Phosphorus (Total)	
					Polychlorinated biphenyls	
Housatonic River	MA21-20	Outlet of Risingdale Impoundment dam (NATID: MA00250), Great Barrington to the MA/CT border, Sheffield.	23.1	MILES	PCB in Fish Tissue	
Konkapot River	MA21-25	Headwaters, outlet Brewer Lake, Monterey to the MA/CT border, New Marlborough.	16.5	MILES	Mercury in Fish Tissue	
Konkapot River	MA21-26	From the MA/CT border, Sheffield, to mouth at confluence with the Housatonic River, Sheffield.	2.9	MILES	Mercury in Fish Tissue	
Lake Buel	MA21014	Monterey/New Marlborough.	191	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	
					Dissolved oxygen saturation	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
					Oxygen, Dissolved	
					Phosphorus (Total)	
Lake Garfield	MA21040	Monterey.	255	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	
					Oxygen, Dissolved	
					Phosphorus (Total)	
Laurel Lake	MA21057	Lee/Lenox.	174	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	
					(Zebra mussel, Dreissena polymorph*)	
					Dissolved oxygen saturation	
					Oxygen, Dissolved	
					Phosphorus (Total)	
Morewood Lake	MA21071	Pittsfield.	20	ACRES	PCB in Fish Tissue	
Southwest Branch Housatonic River	MA21-17	Headwaters, outlet Richmond Pond, Pittsfield to mouth at confluence with West Branch Housatonic River (forming headwaters Housatonic River), Pittsfield.	5.8	MILES	Escherichia coli	
					Fecal Coliform	
					Sedimentation/Siltation	
West Branch Housatonic River	MA21-18	Headwaters, outlet Pontoosuc Lake, Pittsfield to mouth at confluence with Southwest Branch Housatonic River (forming headwaters Housatonic River), Pittsfield.	4.1	MILES	(Debris/Floatables/Trash*)	
					Combined Biota/Habitat Bioassessments	
					Escherichia coli	
					Fecal Coliform	
					Polychlorinated biphenyls	
Hudson: Hoosic						
Cheshire Reservoir, North Basin	MA11002	[North Basin] Cheshire.	284	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	
					Nutrient/Eutrophication Biological Indicators	
Cheshire Reservoir, South Basin	MA11019	[South Basin] Cheshire/Lanesborough.	92	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	
					Excess Algal Growth	
Hoosic River	MA11-03	Headwaters, outlet Cheshire Reservoir, Cheshire to Adams WWTP discharge (NPDES: MA0100315), Adams.	8.8	MILES	(Alteration in stream-side or littoral vegetative covers*)	
					(Other anthropogenic substrate alterations*)	
					(Other flow regime alterations*)	
					Ambient Bioassays -- Chronic Aquatic Toxicity	
					Escherichia coli	
					Fecal Coliform	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
					Temperature, water	
Hoosic River	MA11-05	Confluence with North Branch Hoosic River, North Adams to the Vermont State line, Williamstown.	8.2	MILES	(Alteration in stream-side or littoral vegetative covers*)	
					(Other flow regime alterations*)	
					Escherichia coli	
					Fecal Coliform	
					Nutrient/Eutrophication Biological Indicators	
					PCB in Fish Tissue	
North Branch Hoosic River	MA11-01	Vermont State line, Clarksburg to USGS Gage (# 01332000), North Adams.	4.3	MILES	Temperature, water	
North Branch Hoosic River	MA11-02	From USGS Gage (# 01332000), North Adams to mouth at confluence with Hoosic River, North Adams.	1.5	MILES	(Alteration in stream-side or littoral vegetative covers*)	
					(Other flow regime alterations*)	
					Escherichia coli	
					Fecal Coliform	
					Polychlorinated biphenyls	
Hudson: Kinderhook						
Kinderhook Creek	MA12-01	Headwaters, northwest of Sheeps Heaven Mountain and east of Route 43, Hancock to New York/Massachusetts border, Hancock.	5.5	MILES	Aquatic Macroinvertebrate Bioassessments	
Ipswich						
Brackett Pond	MA92004	Andover.	16	ACRES	Turbidity	
Collins Pond	MA92010	Andover.	2	ACRES	Excess Algal Growth	
					Turbidity	
Crystal Pond	MA92013	Peabody.	9	ACRES	Chlorophyll-a	
					Excess Algal Growth	
					Phosphorus (Total)	
					Secchi disk transparency	
Devils Dishfull Pond	MA92015	Peabody.	14	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					Chlorophyll-a	
					Oxygen, Dissolved	
					Phosphorus (Total)	
					Turbidity	
Fish Brook	MA92-14	Headwater, outlet Stiles Pond, Boxford to confluence with Ipswich River, Topsfield/Boxford (through Howes Pond formerly segment MA92026).	8.2	MILES	Escherichia coli	
Frye Pond	MA92023	Andover.	7	ACRES	Excess Algal Growth	
Gravelly Brook	MA92-18	Headwaters, Willowdale State Forest, Ipswich to confluence with Ipswich River, Ipswich.	1.5	MILES	Aquatic Macroinvertebrate Bioassessments	
Howlett Brook	MA92-17	Headwaters north of Great Hill, Topsfield to confluence with Ipswich River, Topsfield.	2.7	MILES	Escherichia coli	
					Fecal Coliform	
Ipswich River	MA92-02	Ipswich Mills Dam (formerly known as Sylvania Dam), Ipswich to mouth at Ipswich Bay, Ipswich.	0.39	SQUARE MILES	Fecal Coliform	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
Ipswich River	MA92-06	Source at confluence of Maple Meadow Brook and Lubbers Brook, Wilmington, to Salem Beverly Waterway Canal, Topsfield.	20.4	MILES	(Low flow alterations*)	
					Mercury in Fish Tissue	
					Oxygen, Dissolved	
Ipswich River	MA92-15	Salem Beverly Waterway Canal, Topsfield to Ipswich Mills Dam (formerly known as Sylvania Dam), Ipswich.	11	MILES	(Low flow alterations*)	
					Fishes Bioassessments	
					Mercury in Fish Tissue	
					Oxygen, Dissolved	
Kimball Brook	MA92-21	Headwaters, west of Scott Hill, Ipswich to confluence with Ipswich River, Ipswich.	2.2	MILES	Escherichia coli	
					Fecal Coliform	
					Oxygen, Dissolved	
Labor In Vain Creek	MA92-22	Headwaters (excluding intermittent portion) south of Argilla Road, Ipswich to confluence with estuarine portion of Ipswich River, Ipswich.	0.03	SQUARE MILES	Fecal Coliform	
					Oxygen, Dissolved	
Lowe Pond	MA92034	Boxford.	36	ACRES	(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	
Lubbers Brook	MA92-05	Headwaters (excluding intermittent portion) Billerica to confluence with Maple Meadow Brook forming headwaters of Ipswich River, Wilmington (through former pond segments Lubber Pond West MA92036 and Lubber Pond East MA92035).	5.6	MILES	(Low flow alterations*)	
					Escherichia coli	
					Oxygen, Dissolved	
Maple Meadow Brook	MA92-04	Headwaters outlet of Mill Pond, Burlington to confluence with Lubbers Brook, Wilmington.	4.2	MILES	(Low flow alterations*)	
					Oxygen, Dissolved	
Martins Brook	MA92-08	Outlet of Martins Pond, North Reading to the confluence with the Ipswich River, North Reading.	4.6	MILES	Aquatic Macroinvertebrate Bioassessments	
					Escherichia coli	
					Fecal Coliform	
					Oxygen, Dissolved	
Martins Pond	MA92038	North Reading.	89	ACRES	(Non-Native Aquatic Plants*)	
					Excess Algal Growth	
					Mercury in Fish Tissue	33880
					Turbidity	
Miles River	MA92-03	Headwaters outlet Longham Reservoir, Beverly to confluence with Ipswich River, Ipswich.	8.9	MILES	Oxygen, Dissolved	
Norris Brook	MA92-11	Headwaters outlet of Elginwood Pond, Peabody to confluence with Ipswich River, Danvers (Danvers/Middleton town line).	1.5	MILES	Oxygen, Dissolved	
Pleasant Pond	MA92049	(Idlewood Lake) Wenham/Hamilton.	26	ACRES	Mercury in Fish Tissue	
Salem Pond	MA92057	North Andover/Andover.	15	ACRES	Turbidity	
Silver Lake	MA92059	Wilmington.	30	ACRES	DDT in Fish Tissue	
					Mercury in Fish Tissue	33880
Unnamed Tributary	MA92-09	Unnamed tributary to Ipswich River, outlet of Eisenhaures Pond, North Reading to confluence with Ipswich River, North Reading.	1.4	MILES	Fishes Bioassessments	
Unnamed Tributary	MA92-12	Unnamed tributary to Ipswich River, outlet of Middleton Pond, Middleton to confluence with Ipswich River, Middleton.	1.4	MILES	Escherichia coli	
					Fecal Coliform	
					Foam/Flocs/Scum/Oil Slicks	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
Unnamed Tributary	MA92-23	Unnamed tributary to Ipswich River (locally known as Greenwood Creek), headwaters, east of Jeffreys Neck Road/north of Newmarch Street, Ipswich to confluence with estuarine portion of Ipswich River, Ipswich.	0.03	SQUARE MILES	Fecal Coliform	
Unnamed Tributary	MA92-26	Unnamed intermittent tributary to Martins Brook, from source in wetland west of the Route 93/Route 125 intersection, Wilmington to confluence with Martins Brook, Wilmington.	1.3	MILES	Chloride	
Wenham Lake	MA92073	Beverly/Wenham.	243	ACRES	DDT in Fish Tissue	
					Mercury in Fish Tissue	33880
Islands						
Chilmark Pond	MA97-05	South of South Road including Wades Cove and Gilberts Cove, Chilmark, Martha's Vineyard.	0.31	SQUARE MILES	Enterococcus	
					Estuarine Bioassessments	
					Fecal Coliform	
					Nitrogen (Total)	
					Nutrient/Eutrophication Biological Indicators	
Cuttyhunk Pond	MA97-21	Waters west of the channel connecting Cuttyhunk Pond to Cuttyhunk Harbor, Gosnold, Elizabeth Islands (changed from MA95-26 to MA97-21 on 10/7/97).	0.15	SQUARE MILES	Fecal Coliform	
Edgartown Harbor	MA97-15	Waters west of Cape Poge Gut bounded by an imaginary line drawn from Chappaquiddick Point to Dock Street and northeasterly from the end of Plantingfield Way to Cape Poge Elbow (excluding Eel Pond), Edgartown, Martha's Vineyard.	3.09	SQUARE MILES	Fecal Coliform	
Head of Hummock Pond	MA97035	Nantucket.	16	ACRES	Harmful Algal Bloom	
Katama Bay	MA97-16	Waters south of an imaginary line from Chappaquiddick Point to Dock Street excluding Caleb Pond and Mattakeset Bay, Edgartown, Martha's Vineyard.	2.05	SQUARE MILES	Fecal Coliform	
Lake Tashmoo	MA97-12	Waters including Drew Cove and Rhoda Pond to confluence with Vineyard Sound at channel south of Herring Creek Road, Tisbury, Martha's Vineyard.	0.41	SQUARE MILES	Estuarine Bioassessments	
					Nitrogen (Total)	
					Nutrient/Eutrophication Biological Indicators	
					Oxygen, Dissolved	
Long Pond	MA97-29	tidally restricted brackish water, south of Madaket Road, including White Goose Cove, Nantucket.	0.12	SQUARE MILES	Dissolved oxygen saturation	64482
					Estuarine Bioassessments	64482
					Fecal Coliform	
					Nitrogen (Total)	64482
					Nutrient/Eutrophication Biological Indicators	64482
					Oxygen, Dissolved	64482
					Secchi disk transparency	64482
Nantucket Harbor	MA97-01	Waters south and east of an imaginary line drawn from Jetties Beach to Coatue Point (excluding Polpis Harbor and Coskata Pond), Nantucket.	7.16	SQUARE MILES	Estuarine Bioassessments	36011
					Fecal Coliform	
					Nitrogen (Total)	36011
Oak Bluffs Harbor	MA97-07	North of Lake Avenue to confluence with Nantucket Sound, Oak Bluffs, Martha's Vineyard.	0.05	SQUARE MILES	(Other anthropogenic substrate alterations*)	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
					Fecal Coliform	
Polpis Harbor	MA97-26	Polpis Harbor and all adjacent coves, to an imaginary line drawn from Quaise Point to the opposite shore, Nantucket.	0.3	SQUARE MILES	Estuarine Bioassessments	36012
					Fecal Coliform	
					Nitrogen (Total)	36012
Sengekontacket Pond	MA97-10	Between Edgartown-Vineyard Haven Road and Oak Bluffs Road, including Majors Cove, Edgartown/Oak Bluffs, Martha's Vineyard.	1.1	SQUARE MILES	Estuarine Bioassessments	65320
					Fecal Coliform	
					Nitrogen (Total)	65320
					Nutrient/Eutrophication Biological Indicators	65320
					Oxygen, Dissolved	65320
Sesachacha Pond	MA97-02	South of Quidnet Road and north of Polpis Road, Nantucket.	0.42	SQUARE MILES	Fecal Coliform	
Seths Pond	MA97085	West Tisbury.	11	ACRES	Excess Algal Growth	
					Secchi disk transparency	
Tisbury Great Pond	MA97-18	Including Town Cove, Muddy Cove, Pear Tree Cove, Short Cove, Tiah Cove, Tississa Pond, Deep Bottom Cove, and Thumb Cove, Chilmark/West Tisbury, Martha's Vineyard.	1.1	SQUARE MILES	Estuarine Bioassessments	
					Fecal Coliform	
					Nitrogen (Total)	
					Nutrient/Eutrophication Biological Indicators	
					Oxygen, Dissolved	
Vineyard Haven Harbor	MA97-09	The waters south and west of an imaginary line drawn from the tip of West Chop, Tisbury and the tip of East Chop, Oak Bluffs to the confluence of Lagoon Pond at Beach Road, Tisbury/Oak Bluffs, Martha's Vineyard.	1.54	SQUARE MILES	Estuarine Bioassessments	
					Fecal Coliform	
Merrimack						
Back River	MA84A-16	New Hampshire state line, Amesbury to inlet Clarks Pond, Amesbury.	2.7	MILES	Escherichia coli	
					Sedimentation/Siltation	
					Turbidity	
Bare Meadow Brook	MA84A-18	Headwaters, Methuen to confluence with Merrimack River, Methuen.	3	MILES	Escherichia coli	
					Sedimentation/Siltation	
					Turbidity	
Bartlett Brook	MA84A-36	New Hampshire state line, Dracut to inlet Mill Pond, Methuen.	3.7	MILES	Escherichia coli	
Beaver Brook	MA84A-11	New Hampshire state line, Dracut to confluence with Merrimack River, Lowell.	4.8	MILES	(Debris/Floatables/Trash*)	
					(Physical substrate habitat alterations*)	
					Aquatic Macroinvertebrate Bioassessments	
					Escherichia coli	
					Taste and Odor	
					Turbidity	
Beaver Brook	MA84B-02	Outlet Mill Pond, Littleton to inlet Forge Pond, Westford.	4.9	MILES	Fecal Coliform	
					Oxygen, Dissolved	
					pH, Low	
					Total Suspended Solids (TSS)	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
Bennetts Brook	MA84B-06	Headwaters, north of Route 2, Harvard to the inlet of Spectacle Pond, Ayer/Littleton.	4.3	MILES	Escherichia coli	
Black Brook	MA84A-17	Headwaters, Chelmsford to confluence with Merrimack River, Lowell (approximately 500 feet culverted near mouth).	2.3	MILES	(Debris/Floatables/Trash*)	
					(Physical substrate habitat alterations*)	
					Aquatic Macroinvertebrate Bioassessments	
					Escherichia coli	
					Fishes Bioassessments	
					Sedimentation/Siltation	
					Turbidity	
Chadwicks Pond	MA84006	Haverhill/Boxford.	173	ACRES	Mercury in Fish Tissue	
Creek Brook	MA84A-37	Headwaters, outlet Crystal Lake, Haverhill to confluence with Merrimack River, Haverhill.	2.3	MILES	Escherichia coli	
Crystal Lake	MA84010	Haverhill.	161	ACRES	Mercury in Fish Tissue	
Deep Brook	MA84A-21	Headwaters east of Everett Turnpike, Tyngsborough to confluence with Merrimack River, Chelmsford.	2.9	MILES	(Habitat Assessment (Streams)*)	
					Aquatic Macroinvertebrate Bioassessments	
					Escherichia coli	
					Fishes Bioassessments	
					Sedimentation/Siltation	
East Meadow River	MA84A-39	Headwaters, outlet Neal Pond, Haverhill to inlet Millvale Reservoir, Haverhill.	3	MILES	Escherichia coli	
Fish Brook	MA84A-40	Headwaters, east of Greenwood Road, Andover to confluence with Merrimack River at Fish Brook Dam (NAT ID: MA02265), Andover.	4.1	MILES	Chloride	
					Escherichia coli	
Flint Pond	MA84012	Tyngsborough.	72	ACRES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	
					Mercury in Fish Tissue	33880
Forest Lake	MA84014	Methuen.	48	ACRES	Mercury in Fish Tissue	
Haggets Pond	MA84022	Andover.	211	ACRES	Mercury in Fish Tissue	
Hoveys Pond	MA84025	Boxford.	36	ACRES	Mercury in Fish Tissue	
Johnsons Pond	MA84027	Groveland/Boxford.	194	ACRES	Mercury in Fish Tissue	
					Oxygen, Dissolved	
Kenoza Lake	MA84028	Haverhill.	240	ACRES	Mercury in Fish Tissue	
Lake Attitash	MA84002	Amesbury/Merrimac.	369	ACRES	Harmful Algal Bloom	
					Mercury in Fish Tissue	
Lake Cochichewick	MA84008	North Andover.	575	ACRES	Mercury in Fish Tissue	
Lake Pentucket	MA84051	Haverhill.	38	ACRES	Mercury in Fish Tissue	
Lake Saltonstall	MA84059	Haverhill.	44	ACRES	Mercury in Fish Tissue	
Little River	MA84A-09	New Hampshire state line, Haverhill to confluence with Merrimack River, Haverhill (approximately 200 feet culverted at mouth).	4.6	MILES	(Debris/Floatables/Trash*)	
					(Habitat Assessment (Streams)*)	
					Escherichia coli	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
Long Pond	MA84032	Dracut/Tyngsborough (size indicates portion in Massachusetts).	137	ACRES	(Non-Native Aquatic Plants*)	
					Harmful Algal Bloom	
					Mercury in Fish Tissue	33880
Lowell Canals	MA84A-29	Canal system near Pawtucket Falls, Lowell.	4.9	MILES	DDT in Fish Tissue	
					Lead	
					Mercury in Fish Tissue	
					PCB in Fish Tissue	
Massapoag Pond	MA84087	Dunstable/Groton/Tyngsborough.	111	ACRES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	
					Mercury in Fish Tissue	33880
					Oxygen, Dissolved	
Merrimack River	MA84A-01	State line at Hudson, NH/Tyngsborough, MA to Pawtucket Dam (NAT ID: MA00837), Lowell.	9	MILES	Escherichia coli	
					Fecal Coliform	
					Mercury in Fish Tissue	
Merrimack River	MA84A-02	Pawtucket Dam (NAT ID: MA00837), Lowell to Lowell Regional Wastewater Utilities (NPDES# MA0100633) outfall at Duck Island, Lowell.	3.2	MILES	(Low flow alterations*)	
					Escherichia coli	
					Mercury in Fish Tissue	
					Phosphorus (Total)	
Merrimack River	MA84A-03	Lowell Regional Wastewater Utilities (NPDES# MA0100633) outfall at Duck Island, Lowell to Essex Dam (NAT ID: MA00234), Lawrence.	8.8	MILES	Escherichia coli	
					Mercury in Fish Tissue	
					PCB in Fish Tissue	
					Phosphorus (Total)	
Merrimack River	MA84A-04	Essex Dam (NAT ID: MA00234), Lawrence to confluence with Little River, Haverhill.	10	MILES	Escherichia coli	
					PCB in Fish Tissue	
					Phosphorus (Total)	
Merrimack River	MA84A-05	Confluence Little River, Haverhill to confluence Indian River, West Newbury/Amesbury.	1.83	SQUARE MILES	Enterococcus	
					PCB in Fish Tissue	
Merrimack River	MA84A-06	Confluence Indian River, West Newbury/Amesbury to mouth at Atlantic Ocean, Newburyport/Salisbury (includes Back River, Salisbury).	4.46	SQUARE MILES	Enterococcus	
					Fecal Coliform	
					PCB in Fish Tissue	
Merrimack River	MA84A-26	The Basin in the Merrimack River Estuary, Newbury/Newburyport.	0.17	SQUARE MILES	Fecal Coliform	
Mill Pond	MA84038	[North Basin] Littleton.	30	ACRES	Aquatic Plants (Macrophytes)	
Mill Pond	MA84081	[South Basin] Littleton.	12	ACRES	Aquatic Plants (Macrophytes)	
Millvale Reservoir	MA84041	Haverhill.	44	ACRES	Mercury in Fish Tissue	
Nabnasset Pond	MA84044	Westford.	134	ACRES	(Non-Native Aquatic Plants*)	
					Harmful Algal Bloom	
					Mercury in Fish Tissue	33880
Newfield Pond	MA84046	Chelmsford.	77	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	33880

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
					Oxygen, Dissolved	
Peppermint Brook	MA84A-35	Headwaters, outlet of unnamed pond east of Route 38, Dracut to confluence with Beaver Brook, Dracut.	2.7	MILES	(Debris/Floatables/Trash*)	
					Escherichia coli	
Plum Island River	MA84A-27	From Chaces Island, Merimack River Estuary, to the "high sandy" sand bar just north of the confluence with Pine Island Creek, Newbury (formerly encompassed in MA84A-23).	0.13	SQUARE MILES	Fecal Coliform	
Powwow River	MA84A-08	Tidal portion, just downstream of Main Street, Amesbury to confluence with Merrimack River, Amesbury.	0.06	SQUARE MILES	Escherichia coli	
Powwow River	MA84A-25	Outlet of Lake Gardner, Amesbury to tidal portion, just downstream of Main Street, Amesbury.	0.6	MILES	Escherichia coli	
Powwow River	MA84A-28	outlet Tuxbury Pond, Amesbury to New Hampshire state line, Amesbury.	2.9	MILES	Fecal Coliform	
					Total Suspended Solids (TSS)	
					Turbidity	
Richardson Brook	MA84A-12	Headwaters, Dracut (excluding intermittent portion) to confluence with Merrimack River, Dracut.	1.9	MILES	Escherichia coli	
South Branch Souhegan River	MA84A-31	Headwaters, outlet Watatic Pond, Ashburnham to New Hampshire state line, Ashby.	3	MILES	Escherichia coli	
Spectacle Pond	MA84089	Littleton/Ayer.	79	ACRES	(Non-Native Aquatic Plants*)	
					Oxygen, Dissolved	
Spicket River	MA84A-10	New Hampshire state line, Methuen to confluence with Merrimack River, Lawrence.	5.8	MILES	(Debris/Floatables/Trash*)	
					(Physical substrate habitat alterations*)	
					Aquatic Macroinvertebrate Bioassessments	
					Copper	
					Escherichia coli	
					Other (Unspecified Nutrients)	
Stevens Pond	MA84064	North Andover.	23	ACRES	Harmful Algal Bloom	
					Mercury in Fish Tissue	
Stony Brook	MA84B-03	Headwaters outlet Forge Pond, Westford to Brookside Road, Westford.	6.5	MILES	Aquatic Macroinvertebrate Bioassessments	
					Fecal Coliform	
					Turbidity	
Stony Brook	MA84B-04	Brookside Road, Westford to confluence with Merrimack River, Chelmsford.	3.4	MILES	Aquatic Macroinvertebrate Bioassessments	
					Escherichia coli	
Tadmuck Brook	MA84B-07	Headwaters south of Main Street, Westford to confluence with Stony Brook, Westford.	1.4	MILES	Escherichia coli	
Trout Brook	MA84A-13	Headwaters, Dracut to confluence with Richardson Brook, Dracut.	2.6	MILES	Escherichia coli	
Trull Brook	MA84A-14	Source, Tewksbury (excluding intermittent portion) to confluence with Merrimack River, Tewksbury.	2.1	MILES	Escherichia coli	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
Unnamed Tributary	MA84A-30	Unnamed tributary to Powwow River locally considered portion of Back River from outlet of Clarks Pond, Amesbury to confluence with Powwow River, Amesbury (formerly portion of segment MA84A-16).	0.003	SQUARE MILES	Escherichia coli	
Unnamed Tributary	MA84B-01	(Locally known as Reedy Meadow Brook) Headwaters, outlet of small unnamed impoundment upstream of Bruce Street, Littleton to inlet Mill Pond, Littleton.	1.5	MILES	Fecal Coliform	
Ward Pond	MA84096	PALIS id changed from 35094 to 84096 on October 10, 1997. (WBID from MA35094 to MA84096) Ashburnham.	54	ACRES	Oxygen, Dissolved	
Millers						
Beaver Brook	MA35-09	Fernald School discharge, Templeton to confluence with Millers River, Royalston.	3.4	MILES	PCB in Fish Tissue	
BEAVER BROOK	MA35-28	Headwaters, confluence of Kendall and Chickering brooks, Phillipston to the Fernald School (MA0102156) discharge, Templeton.	2.3	MILES	PCB in Fish Tissue	
Boyce Brook	MA35-17	NH State Line, Royalston to confluence with East Branch Tully River, Royalston.	3.2	MILES	PCB in Fish Tissue	
EAST BRANCH TULLY RIVER	MA35-29	From the outlet of Tully Lake, Royalston to confluence with the West Branch Tully River forming headwaters Tully River, Orange/Athol (formerly reported as a portion of MA35-12).	3.5	MILES	PCB in Fish Tissue	
EAST BRANCH TULLY RIVER	MA35-30	Confluence of Tully Brook and Falls Brook in Royalston State Forest, Royalston through Long Pond to inlet Tully Lake, Royalston (formerly reported as a portion of MA35-12).	5.4	MILES	PCB in Fish Tissue	
ELLINWOOD BROOK	MA35-22	Headwaters, outlet unnamed pond east of Woodlawn Road, Athol to inlet of White Pond, Athol.	3.6	MILES	PCB in Fish Tissue	
Gales Pond	MA35024	Warwick.	12	ACRES	Mercury in Fish Tissue	33880
					Turbidity	
JACKS BROOK	MA35-31	Headwaters south of Orange Road, Northfield to mouth at confluence with Keyup Brook, Erving.	2.7	MILES	PCB in Fish Tissue	
Keyup Brook	MA35-16	Headwaters Great Swamp Northfield State Forest, Northfield, to confluence with Millers River, Erving.	5	MILES	Escherichia coli	
					PCB in Fish Tissue	
Lake Monomonac	MA35047	Massachusetts portion only. Winchendon/Rindge,N.H.	186	ACRES	(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	
Lake Rohunta	MA35070	(Middle Basin) Athol/Orange/New Salem.	209	ACRES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	
					Mercury in Fish Tissue	33880
Lake Rohunta	MA35107	(South Basin) New Salem.	42	ACRES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	
					Mercury in Fish Tissue	33880
Laurel Lake	MA35035	Erving/Warwick.	44	ACRES	Oxygen, Dissolved	
Lawrence Brook	MA35-13	New Hampshire state line, Royalston through Doane Falls to confluence with East Branch Tully River at inlet Tully Lake, Royalston.	7.1	MILES	PCB in Fish Tissue	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
Lyons Brook	MA35-19	Outlet of Ruggles Pond, Wendell to confluence with Millers River, Montague/Wendell.	2.1	MILES	PCB in Fish Tissue	
MAHONEY BROOK	MA35-27	Headwaters, east of Willis Road and Ray Hill, Gardner to Mahoney Pond Dam (MA02319), Gardner.	3	MILES	PCB in Fish Tissue	
Millers River	MA35-01	Outlet of Whitney Pond, Winchendon to Winchendon WWTP, Winchendon.	3.3	MILES	Ambient Bioassays -- Chronic Aquatic Toxicity	
					Lack of a coldwater assemblage	
					Temperature, water	
Millers River	MA35-02	Winchendon WWTP, Winchendon to confluence with Otter River, Winchendon.	5.6	MILES	PCB in Fish Tissue	
Millers River	MA35-03	Confluence with Otter River, Winchendon to South Royalston USGS Gage, Royalston.	3.5	MILES	PCB in Fish Tissue	
Millers River	MA35-04	South Royalston USGS Gage, Royalston to Erving Center WWTP (formerly known as Erving Paper Company), Erving.	18.5	MILES	PCB in Fish Tissue	
Millers River	MA35-05	Erving Center WWTP (formerly known as Erving Paper Company), Erving to confluence with Connecticut River, Erving/Montague.	9.2	MILES	PCB in Fish Tissue	
Millers River	MA35-20	Outlet of Sunset Lake, Ashburnham to inlet of Whitney Pond, Winchendon.	6.4	MILES	Lack of a coldwater assemblage	
					Temperature, water	
Mormon Hollow Brook	MA35-15	Headwaters just north of Montague Road, Wendell to confluence with Millers River, Wendell.	3.8	MILES	PCB in Fish Tissue	
North Branch Millers River	MA35-21	Outlet of Lake Mononomac, Winchendon to inlet of Whitney Pond, Winchendon.	2	MILES	Mercury in Fish Tissue	
NORTH POND BROOK	MA35-23	Headwaters, from northern outlet of Lake Mattawa, Orange to confluence with Millers River, Orange.	2.1	MILES	PCB in Fish Tissue	
Otter River	MA35-06	Source, Hubbardston (north of Pitcherville Road) to Gardner WWTP, Gardner/Templeton.	4.3	MILES	Ambient Bioassays -- Chronic Aquatic Toxicity	
					Oxygen, Dissolved	
Otter River	MA35-08	Seaman Paper Dam, Templeton to confluence with Millers River, Winchendon.	5.5	MILES	PCB in Fish Tissue	
STOCKWELL BROOK	MA35-25	Headwaters east of Norcross Road, Royalston to mouth at Beaver Pond inlet, Royalston.	1.3	MILES	PCB in Fish Tissue	
Tully Lake	MA35111	Royalston/Athol.	214	ACRES	Harmful Algal Bloom	
Tully River	MA35-14	Confluence East and West Branches Tully River, Orange/Athol to confluence with Millers River, Athol.	1.6	MILES	PCB in Fish Tissue	
Unnamed Tributary	MA35-26	Unnamed tributary to Millers River from the outlet of Lake Wallace to the mouth at confluence with Millers River, Ashburnham (excluding Lake Watatic segment MA35095 and Lower Naukeag Lake segment MA35041).	2.1	MILES	Copper	
West Branch Tully River	MA35-11	Outlet Sheomet Lake, Warwick to confluence with East Branch Tully River forming headwaters Tully River, Orange/Athol.	6.6	MILES	PCB in Fish Tissue	
					Temperature, water	
WEST GULF BROOK	MA35-24	From headwaters west of Paine Swamp Road, Athol to confluence with Millers River, Athol.	0.8	MILES	PCB in Fish Tissue	
Whetstone Brook	MA35-18	Headwaters northeast of Orcutt Hill near New Salem Rd, Wendell to confluence with Millers River, Wendell.	4.9	MILES	PCB in Fish Tissue	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
Whitney Pond	MA35101	Winchendon.	97	ACRES	(Aquatic Plants (Macrophytes)*)	
					Mercury in Fish Tissue	
					Turbidity	4145
Mount Hope Bay (Shore)						
Cole River	MA61-04	Route 6, Swansea to the mouth at Mount Hope Bay at old railway grade, Swansea.	0.35	SQUARE MILES	Chlorophyll-a	
					Fecal Coliform	38907
					Nitrogen (Total)	
					Oxygen, Dissolved	
Lee River	MA61-01	From confluence with Lewin Brook, Swansea to Route 6, Swansea/Somerset.	0.02	SQUARE MILES	Fecal Coliform	38905
					Nutrient/Eutrophication Biological Indicators	
Lee River	MA61-02	Route 6, Swansea/Somerset to mouth at Mount Hope Bay, Swansea/Somerset.	0.51	SQUARE MILES	Chlorophyll-a	
					Fecal Coliform	38906
					Nitrogen (Total)	
					Oxygen, Dissolved	
LEWIN BROOK	MA61-09	Headwaters, west of Sharps Lot Road, Swansea to the inlet of the unnamed impoundment north of Lewin Lane, Swansea (impoundment upstream of dam, NAT ID# MA03247).	1.9	MILES	Escherichia coli	
Mount Hope Bay	MA61-06	The Massachusetts portion just upstream of the Braga Bridge, Fall River/Somerset to the state border Fall River, MA/Tiverton, RI to the line from Braton Point Somerset to MA/RI border approximately 3/4 of a mile due east of Spar Island, RI.	2.32	SQUARE MILES	Chlorophyll-a	
					Enterococcus	38908
					Fecal Coliform	38908
					Fishes Bioassessments	
					Nitrogen (Total)	
					Temperature, water	
Mount Hope Bay	MA61-07	the Massachusetts portion from mouth of Cole River (at old railway grade), Swansea to state border Swansea, MA/Warren, RI to the line from Brayton Point, Somerset to MA/RI border approximately 3/4 of a mile due east of Spar Island, RI to the line between Bay Point, Swansea and Brayton Point, Somerset (the mouth of the Lee River).	1.84	SQUARE MILES	Chlorophyll-a	
					Enterococcus	38909
					Fecal Coliform	38909
					Fishes Bioassessments	
					Nitrogen (Total)	
					Oxygen, Dissolved	
					Temperature, water	
Quequechan River	MA61-05	Outlet South Watuppa Pond, Fall River to confluence with Mt. Hope Bay at mouth of Taunton River (just upstream of the Braga Bridge), Fall River.	2.4	MILES	(Debris/Floatables/Trash*)	
					(Habitat Assessment (Streams)*)	
					Escherichia coli	
					Excess Algal Growth	
					Nutrient/Eutrophication Biological Indicators	
					Oxygen, Dissolved	
Narragansett Bay (Shore)						
BLISS BROOK	MA53-19	Headwaters north of Tremont Street, Rehoboth to mouth at confluence with West Branch Palmer River, Rehoboth.	2.4	MILES	Escherichia coli	
Clear Run Brook	MA53-13	Headwaters, outlet unnamed pond northwest of Miller Street, Seekonk to confluence with Palmer River, Rehoboth.	1.6	MILES	Escherichia coli	35097
					Fecal Coliform	35097

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
					Oxygen, Dissolved	
PALMER RIVER	MA53-22	Headwaters, confluence of the East and West branches of the Palmer River, Rehoboth to the inlet of Shad Factory Pond, Rehoboth (formerly part of segment MA53-04).	4.8	MILES	Escherichia coli	35086
					Fecal Coliform	35086
					Temperature, water	
Runnins River	MA53-01	Route 44, Seekonk to Mobile Dam, Seekonk, MA/East Providence, RI (through Burrs Pond formerly segment MA53001).	3.7	MILES	Aquatic Macroinvertebrate Bioassessments	
					Escherichia coli	38903
					Fecal Coliform	38903
					Mercury in Fish Tissue	33880
					Nutrient/Eutrophication Biological Indicators	
					Oxygen, Dissolved	
RUNNINS RIVER	MA53-20	Headwaters just north of Walmut Street, Rehoboth to Route 44, Seekonk.	3.5	MILES	Escherichia coli	
Shad Factory Pond	MA53005	Rehoboth (formerly part of segment MA53-04).	31	ACRES	(Low flow alterations*)	
					Fecal Coliform	35086
					Nutrient/Eutrophication Biological Indicators	
Unnamed Tributary	MA53-21	Headwaters east of Agawam Court, Seekonk to inlet of unnamed pond south of Sagamore Road, Seekonk.	0.6	MILES	Escherichia coli	
Nashua						
Asnebumskit Brook	MA81-56	From outlet Eagle Lake, Holden to mouth at confluence with the Quinapoxet River, Holden.	2.9	MILES	Ambient Bioassays -- Chronic Aquatic Toxicity	
Baker Brook	MA81-62	Headwaters, confluence of Pearl Hill and Falulah brooks, Fitchburg to mouth at confluence with North Nashua River, Fitchburg.	2.5	MILES	Escherichia coli	
CATACOONAMUG BROOK	MA81-74	Headwaters, northwest of Chestnut Street, Lunenberg to inlet Lake Shirley, Harvard.	4.5	MILES	Escherichia coli	
Fall Brook	MA81-39	From outlet Lake Samoset, Leominster to mouth at confluence with the North Nashua River, Leominster (formerly part of segment MA81-14).	3	MILES	Escherichia coli	
FALULAH BROOK	MA81-63	Headwaters near Ringe Road, Ashby to mouth at confluence with Pearl Hill Brook, forming headwaters Baker Brook, Fitchburg (excluding approximately 0.6 miles through Lovell Reservoir segment MA81074).	6	MILES	Escherichia coli	
Fort Pond	MA81046	Lancaster.	76	ACRES	Oxygen, Dissolved	
Grove Pond	MA81053	Ayer.	68	ACRES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	
					Arsenic	
					DEHP (Di-sec-octyl phthalate)	
					Mercury in Fish Tissue	
					Polycyclic Aromatic Hydrocarbons (PAHs) (Aquatic Ecosystems)	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
					Sediment Bioassays -- Chronic Toxicity Freshwater	
James Brook	MA81-20	Headwaters, Groton to mouth at mouth at confluence with Nashua River, Ayer/Groton.	3.9	MILES	Escherichia coli	
Lake Shirley	MA81122	Lunenburg/Shirley.	360	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	
					Harmful Algal Bloom	
					Mercury in Fish Tissue	42399
					Oxygen, Dissolved	
					Turbidity	
Malagasco Brook	MA81-29	Headwaters southwest of Apron Hill, Boylston through Pine Swamp to mouth at inlet Wachusett Reservoir (South Bay), Boylston.	2.4	MILES	Aquatic Macroinvertebrate Bioassessments	
					Nutrient/Eutrophication Biological Indicators	
Mirror Lake	MA81085	Harvard.	28	ACRES	Mercury in Fish Tissue	
Monoosnuc Brook	MA81-13	Headwaters, outlet Simonds Pond, Leominster to mouth at confluence with North Nashua River, Leominster (through former pond segments Pierce Pond MA81101 and Rockwell Pond MA81112).	6.1	MILES	Escherichia coli	
Muddy Brook	MA81-28	Headwaters west of Shrewsbury Street, West Boylston to mouth at inlet Wachusett Reservoir (South Bay), West Boylston.	0.8	MILES	Aquatic Macroinvertebrate Bioassessments	
Mulpus Brook	MA81-37	From outlet Hickory Hills Lake, Lunenburg to mouth at confluence with the Nashua River, Shirley (formerly part of segment MA81-22).	6.3	MILES	Lack of a coldwater assemblage	
Nashua River	MA81-05	From confluence of North Nashua River, Lancaster to confluence of Squannacook River, Shirley/Groton/Ayer.	14.2	MILES	Aquatic Macroinvertebrate Bioassessments	
					Escherichia coli	
					Phosphorus (Total)	
					Sediment Bioassays -- Acute Toxicity Freshwater	
Nashua River	MA81-06	From confluence of Squannacook River, Shirley/Groton/Ayer to Pepperell Dam (NATID: MA00373), Pepperell (through Pepperell Pond formerly segment MA81167).	9.1	MILES	(Non-Native Aquatic Plants*)	
					Aquatic Macroinvertebrate Bioassessments	
					Mercury in Fish Tissue	
					Nutrient/Eutrophication Biological Indicators	
Nashua River	MA81-07	From Pepperell Dam (NATID: MA00373), Pepperell to New Hampshire state line, Pepperell/Dunstable.	3.7	MILES	Aquatic Macroinvertebrate Bioassessments	
					Phosphorus (Total)	
Nashua River	MA81-09	("South Branch" Nashua River) From Clinton WWTP discharge (NPDES: MA0100404), Clinton to confluence with North Nashua River, Lancaster.	1.8	MILES	Escherichia coli	
					Phosphorus (Total)	
Nissitissit River	MA81-21	New Hampshire state line, Pepperell to mouth at confluence with Nashua River, Pepperell.	4.6	MILES	Lack of a coldwater assemblage	
Nonacoicus Brook	MA81-17	Outlet Plow Shop Pond, Ayer to mouth at confluence with Nashua River, Ayer/Shirley.	1.4	MILES	Oxygen, Dissolved	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
North Nashua River	MA81-01	Headwaters, outlet Snows Millpond, Fitchburg to Fitchburg Paper Company Dam #1 (NATID: MA00877), Fitchburg.	1.7	MILES	Escherichia coli	
North Nashua River	MA81-02	From Fitchburg Paper Company Dam #1 (NATID: MA00877), Fitchburg to Fitchburg East WWTP outfall (NPDES: MA0100986), Leominster.	6.9	MILES	Ambient Bioassays -- Chronic Aquatic Toxicity	
					Aquatic Macroinvertebrate Bioassessments	
					Escherichia coli	
North Nashua River	MA81-03	From Fitchburg East WWTP outfall (NPDES: MA0100986), Leominster to Leominster WWTP outfall (NPDES: MA0100617), Leominster.	1.6	MILES	Escherichia coli	
North Nashua River	MA81-04	From Leominster WWTP outfall (NPDES: MA0100617), Leominster to mouth at confluence with Nashua River ("South Branch" Nashua River), Lancaster.	10.3	MILES	Escherichia coli	
					Taste and Odor	
Partridge Pond	MA81098	Westminster.	25	ACRES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	
					Turbidity	
PEARL HILL BROOK	MA81-80	Headwaters, outlet Wright Ponds, Ashby to mouth at confluence with Squannacook River, Townsend.	6.7	MILES	Enterococcus	
Plow Shop Pond	MA81103	Ayer.	29	ACRES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	
					Arsenic	
					Chromium (total)	
					Mercury in Fish Tissue	
					Polycyclic Aromatic Hydrocarbons (PAHs) (Aquatic Ecosystems)	
					Sediment Bioassays -- Chronic Toxicity Freshwater	
Squannacook River	MA81-18	Headwaters, confluence Mason and Willard brooks, Townsend to Hollingsworth and Vose Dam (NATID: MA00443), Groton/Shirley (through Harbor Pond formerly segment MA81054).	12.6	MILES	Lack of a coldwater assemblage	
					pH, Low	
					Temperature, water	
Still River	MA81-60	Headwaters, Lancaster to Route 117, Bolton (formerly the upper portion of MA81-15).	0.6	MILES	Escherichia coli	
Stillwater River	MA81-31	Headwaters, confluence of Justice and Keyes brooks, Princeton/Sterling to mouth at inlet of Wachusett Reservoir (Stillwater Basin), Sterling.	6.7	MILES	Escherichia coli	
Unnamed Tributary	MA81-35	Unnamed tributary to Quinepoxet River locally considered "Lower Chaffin Brook", headwaters outlet Unionville Pond, Holden to mouth at confluence with Quinepoxet River, Holden.	0.5	MILES	Aquatic Macroinvertebrate Bioassessments	
					Oxygen, Dissolved	
WEKEPEKE BROOK	MA81-72	Headwaters, outlet Heywood Reservoir, Sterling to mouth at confluence with North Nashua River, Lancaster (includes former segments Bartlett Pond MA81008 and Unnamed Tributary MA81-61).	5.8	MILES	Escherichia coli	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
WILLARD BROOK	MA81-79	Headwaters, outlet Fitchburg Reservoir, Ashby to mouth at confluence with Mason Brook forming headwaters Squannacook River, Townsend (excluding the approximate 0.3 mile through Ashby Reservoir, segment MA81001).	6.2	MILES	Enterococcus	
North Coastal						
Bass River	MA93-07	Headwaters, perennial portion west of Wenham Lake, Beverly to the outlet of "lower Shoe Pond" north of Route 62, Beverly (through Shoe Pond formerly MA93068) (portions culverted).	2.1	MILES	(Fish-Passage Barrier*)	
					Turbidity	
Beaver Brook	MA93-37	Headwaters, perennial portion west of Route 95, Danvers to mouth at inlet Mill Pond, Danvers.	2.7	MILES	Escherichia coli	
					Oxygen, Dissolved	
Beaverdam Brook	MA93-30	Headwaters west of Main Street, Lynnfield to confluence with Saugus River (Reedy Meadow), Lynnfield.	1.5	MILES	Escherichia coli	50120
					Fecal Coliform	50120
					Oxygen, Dissolved	
Cape Pond	MA93011	Rockport.	42	ACRES	Turbidity	
Cat Brook	MA93-29	Headwaters, perennial portion east of Route 128, Manchester to the edge of the designated shellfishing beds east of Powder House Lane, Manchester.	1.5	MILES	pH, Low	
Crane River	MA93-38	Headwaters, outlet Mill Pond, Danvers to outlet of the pump house sluiceway, Purchase Street, Danvers (formerly a portion of MA93-03).	0.3	MILES	Escherichia coli	
Flax Pond	MA93023	Lynn.	55	ACRES	(Non-Native Aquatic Plants*)	
					Chlordane in Fish Tissue	
					DDT in Fish Tissue	
					Excess Algal Growth	
					Turbidity	
Floating Bridge Pond	MA93024	Lynn.	12	ACRES	Excess Algal Growth	
					Phosphorus (Total)	
					Turbidity	
Forest River	MA93-10	From saltwater wetlands upstream of Loring Avenue, Salem to mouth at confluence with Salem Harbor, Salem.	0.03	SQUARE MILES	Dissolved oxygen saturation	
Foster Pond	MA93026	Swampscott.	5	ACRES	DDT in Fish Tissue	
Gloucester Harbor	MA93-18	The waters landward of an imaginary line drawn between Mussel Point, Gloucester and the tip of the Dog Bar Breakwater, Gloucester excluding the Annisquam River.	2.32	SQUARE MILES	Combined Biota/Habitat Bioassessments	
					Enterococcus	50122
					Fecal Coliform	50122
					Oxygen, Dissolved	
Goldthwait Brook	MA93-05	Headwaters, outlet Cedar Pond, Peabody to mouth at confluence with Proctor Brook, Peabody (portions culverted).	3.3	MILES	(Alteration in stream-side or littoral vegetative covers*)	
					(Low flow alterations*)	
					Escherichia coli	50120
					Fecal Coliform	50120
					Oxygen, Dissolved	
					Phosphorus (Total)	
Hawkes Pond	MA93032	Lynnfield/Saugus.	65	ACRES	Turbidity	
Lake Quannapowitt	MA93060	Wakefield.	246	ACRES	(Non-Native Aquatic Plants*)	
					DDT in Fish Tissue	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
					Harmful Algal Bloom	
					Turbidity	
Lily Pond	MA93039	Gloucester.	24	ACRES	Excess Algal Growth	
					Nutrient/Eutrophication Biological Indicators	
					Turbidity	
Mill River	MA93-31	Headwaters in wetlands north of Salem Street, Wakefield to mouth at confluence with Saugus River, Wakefield.	2	MILES	Escherichia coli	50120
					Fecal Coliform	50120
					Oxygen, Dissolved	
					Total Suspended Solids (TSS)	
					Turbidity	
North River	MA93-42	Downstream of Route 114 bridge (Proctor Brook becomes North River at this bridge), Salem to mouth at confluence with Danvers River and Beverly Harbor, Salem (formerly part of MA93-06).	0.15	SQUARE MILES	Ammonia (Un-ionized)	
					Dissolved oxygen saturation	
					Fecal Coliform	50121
Pillings Pond	MA93056	Lynnfield.	90	ACRES	Chlorophyll-a	
					Dissolved oxygen saturation	
					Excess Algal Growth	
					Oxygen, Dissolved	
					Phosphorus (Total)	
					Secchi disk transparency	
Proctor Brook	MA93-39	Headwaters, outlet small pond in wetland north of Downing Road, Peabody to Grove/Goodhue Street bridge, Salem (formerly part of MA93-06) (interrupted urban).	2.9	MILES	(Debris/Floatables/Trash*)	
					Aquatic Macroinvertebrate Bioassessments	
					Escherichia coli	50120
					Fecal Coliform	50120
					Nitrogen (Total)	
					Phosphorus (Total)	
					Sedimentation/Siltation	
Proctor Brook	MA93-40	From Grove/Goodhue Street bridge, Salem to mouth at Route 114 culvert, Salem (formerly part of MA93-06).	0.01	SQUARE MILES	(Debris/Floatables/Trash*)	
					Fecal Coliform	50123
					Foam/Flocs/Scum/Oil Slicks	
					Taste and Odor	
Salem Harbor	MA93-54	Waters landward of an imaginary line from Naugus Head, Marblehead to the northwest point of Bakers Island, Salem to Hospital Point, Beverly to Juniper Point, Salem (excluding Forest River) (formerly segment MA93-21 Salem Harbor and a portion of segment MA93-25 Salem Sound [water body code 93907]).	4.91	SQUARE MILES	Enterococcus	50122
					Estuarine Bioassessments	
					Fecal Coliform	50122
Saugus River	MA93-34	Headwaters, outlet Lake Quannapowitt, Wakefield (thru Reedy Meadow) to Lynn Water & Sewer Commission diversion canal, Wakefield/Lynnfield (canal diverts to Hawks Pond) (formerly part of segment MA93-13).	3.1	MILES	(Fish-Passage Barrier*)	
					(Physical substrate habitat alterations*)	
					Escherichia coli	50120
					Excess Algal Growth	
					Fecal Coliform	50120
					Nitrogen (Total)	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
					Phosphorus (Total)	
					Turbidity	
Saugus River	MA93-43	From Saugus Iron Works, Bridge Street, Saugus to Lincoln Avenue/Boston Street, Saugus/Lynn (formerly a portion of MA93-14).	0.04	SQUARE MILES	(Other flow regime alterations*)	
					Fecal Coliform	50122
					Oil and Grease	
					Temperature, water	
Saugus River	MA93-44	From Lincoln Avenue/Boston Street, Saugus/Lynn to mouth (east of Route 1A) at Lynn Harbor, Lynn/Revere (formerly a portion of MA93-14).	0.36	SQUARE MILES	(Other flow regime alterations*)	
					Enterococcus	50122
					Fecal Coliform	50122
					Oil and Grease	
					Temperature, water	
Strangman Pond	MA93076	Gloucester.	3	ACRES	Aquatic Plants (Macrophytes)	
					Excess Algal Growth	
					Turbidity	
Unnamed Tributary	MA93-51	Unnamed tributary locally known as "Town Line Brook", from Route 99, Malden to mouth at confluence with Pines River, Revere.	0.02	SQUARE MILES	(Alteration in stream-side or littoral vegetative covers*)	
					(Debris/Floatables/Trash*)	
					(Other flow regime alterations*)	
					(Physical substrate habitat alterations*)	
					Fecal Coliform	50123
					Taste and Odor	
Unnamed Tributary	MA93-58	Unnamed tributary to Beverly Cove, perennial portion, Route 22, Beverly to saltwater wetlands south of Route 127, Beverly.	2.1	MILES	Escherichia coli	
Unnamed Tributary	MA93-59	Unnamed tributary to Chubb Creek, headwaters west of Hale Street, Beverly to mouth at confluence with Chubb Creek east of Route 127, Beverly.	0.8	MILES	Escherichia coli	
Upper Banjo Pond	MA93080	Gloucester.	11	ACRES	Aquatic Plants (Macrophytes)	
					Turbidity	
West Pond	MA93089	Gloucester.	7	ACRES	Chlorophyll-a	
					Excess Algal Growth	
					Phosphorus (Total)	
					Secchi disk transparency	
Parker						
Baldpate Pond	MA91001	Boxford.	60	ACRES	(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	
					Oxygen, Dissolved	
Eagle Hill River	MA91-06	Headwaters north of Town Hill, east of Town Farm Road, Ipswich to the mouth at Plum Island Sound, Ipswich.	0.35	SQUARE MILES	Fecal Coliform	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
Egypt River	MA91-14	East of Jewett Hill (Latitude 42:42:23.40, Longitude 70:51:47.58 DMS), Ipswich to mouth at confluence with Rowley River, Rowley/Ipswich.	0.03	SQUARE MILES	Fecal Coliform	
Little River	MA91-11	Scotland Road/Parker Street, Newbury/Newburyport to mouth at confluence with Parker River, Newbury.	0.09	SQUARE MILES	Fecal Coliform	
Mill River	MA91-08	Headwaters - Outlet of small unnamed pond between Route 95 and Rowley Road, Boxford to Route 1, Rowley/Newbury (through Upper Mill Pond formerly segment MA91015 and Lower Mill Pond formerly segment MA91008).	6.9	MILES	(Non-Native Aquatic Plants*)	
					Aquatic Macroinvertebrate Bioassessments	
					Aquatic Plants (Macrophytes)	
					Excess Algal Growth	
Mill River	MA91-09	Route 1, Rowley/Newbury to mouth at confluence with Parker River, Newbury.	0.09	SQUARE MILES	Fecal Coliform	
Paine Creek	MA91-03	Headwaters east of Town Farm Road, Ipswich to confluence with Eagle Hill River, Ipswich.	0.06	SQUARE MILES	Fecal Coliform	
Parker River	MA91-02	Central Street, Newbury to mouth at Plum Island Sound, Newbury.	0.6	SQUARE MILES	Fecal Coliform	
Pentucket Pond	MA91010	Georgetown.	92	ACRES	(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	
Plum Island River	MA91-15	From "high sandy" sandbar just north of the confluence with Pine Island Creek, Newbury to confluence with Plum Island Sound, Newbury.	0.39	SQUARE MILES	Fecal Coliform	
Plum Island Sound	MA91-12	From the mouth of both the Parker River and Plum Island River, Newbury to the Atlantic Ocean, Ipswich (Includes Ipswich Bay).	4.47	SQUARE MILES	Fecal Coliform	
Rock Pond	MA91012	Georgetown.	49	ACRES	Mercury in Fish Tissue	
Rowley River	MA91-05	Headwaters, confluence with Egypt River, Rowley/Ipswich to mouth at Plum Island Sound, Rowley/Ipswich.	0.25	SQUARE MILES	Fecal Coliform	
Quinebaug						
Alum Pond	MA41001	Sturbridge.	198	ACRES	Oxygen, Dissolved	
Cady Brook	MA41-05	Headwaters, outlet of Glen Echo Lake, Charlton to Charlton WWTP outfall (NPDES: MA0101141), Charlton.	1.5	MILES	(Low flow alterations*)	
					Ambient Bioassays -- Chronic Aquatic Toxicity	
Cady Brook	MA41-06	Charlton WWTP outfall (NPDES: MA0101141), Charlton to mouth at confluence with the Quinebaug River, Southbridge.	5.1	MILES	(Low flow alterations*)	
					Escherichia coli	
					Nutrient/Eutrophication Biological Indicators	
Cohasse Brook	MA41-12	From the outlet of Cohasse Brook Reservoir, Southbridge through Wells Pond (formerly pond segment MA41053) to mouth at confluence with the Quinebaug River, Southbridge.	2.7	MILES	Aquatic Macroinvertebrate Bioassessments	
					Escherichia coli	
					Sedimentation/Siltation	
Glen Echo Lake	MA41017	Charlton.	115	ACRES	Oxygen, Dissolved	
McKinstry Brook	MA41-13	Headwaters, east of Brookfield Road, Charlton (excluding intermittent portion) to mouth at confluence with the Quinebaug River, Southbridge.	7.3	MILES	(Debris/Floatables/Trash*)	
					Escherichia coli	
Morse Pond	MA41033	Southbridge.	41	ACRES	Aquatic Plants (Macrophytes)	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
					Oxygen, Dissolved	
Pistol Pond	MA41057	Sturbridge.	5	ACRES	Aquatic Plants (Macrophytes)	
					Oxygen, Dissolved	
					Secchi disk transparency	
Quinebaug River	MA41-01	Outlet Hamilton Reservoir, Holland, to Sturbridge WWTP outfall (NPDES: MA0100421), Sturbridge (excluding Holland Pond segment MA41022 and East Brimfield Reservoir segment MA41014).	8.2	MILES	Ambient Bioassays -- Chronic Aquatic Toxicity	
					Fishes Bioassessments	
					Lack of a coldwater assemblage	
					Mercury in Fish Tissue	
Quinebaug River	MA41-02	Sturbridge WWTP outfall (NPDES: MA0100421), Sturbridge to confluence with Cady Brook, Southbridge.	6.5	MILES	(Debris/Floatables/Trash*)	
					Excess Algal Growth	
					Turbidity	
Quinebaug River	MA41-03	Southbridge WWTP outfall (NPDES: MA0100901), Southbridge to dam (NAT ID: MA00114) just upstream of West Dudley Road, Dudley.	2.2	MILES	(Physical substrate habitat alterations*)	
					Escherichia coli	
					Fecal Coliform	
					Other (Unspecified Nutrients)	
					Oxygen, Dissolved	
Quinebaug River	MA41-04	From dam (NAT ID: MA00114) just upstream of West Dudley Road, Dudley to Connecticut state line, Dudley.	2.2	MILES	Fecal Coliform	
Quinebaug River	MA41-09	From confluence with Cady Brook, Southbridge to Southbridge WWTP outfall (NPDES: MA0100901), Southbridge.	1.3	MILES	(Debris/Floatables/Trash*)	
					Ambient Bioassays -- Chronic Aquatic Toxicity	
					Aquatic Macroinvertebrate Bioassessments	
					Turbidity	
Sibley Pond	MA41047	North Basin, Charlton.	22	ACRES	Aquatic Plants (Macrophytes)	
					Oxygen, Dissolved	
					Turbidity	
Sibley Pond	MA41048	South Basin, Charlton.	19	ACRES	Aquatic Plants (Macrophytes)	
					Oxygen, Dissolved	
					Turbidity	
Unnamed Tributary	MA41-16	Unnamed tributary to Mill Brook, headwaters, outlet Sherman Pond, Brimfield to mouth at confluence with Mill Brook, Brimfield.	1.2	MILES	Aquatic Macroinvertebrate Bioassessments	
					Escherichia coli	
					Oxygen, Dissolved	
					Sedimentation/Siltation	
West Brook	MA41-17	Headwaters, west of the Dix Hill Road/Route 19 intersection (excluding intermittent portion), Brimfield to mouth at confluence with Mill Brook, Brimfield.	1.8	MILES	Escherichia coli	
Shawsheen						

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
Ames Pond	MA83001	Tewksbury.	76	ACRES	Mercury in Fish Tissue	
Ballardvale Impoundment	MA83011	Andover (Lowell Junction Pond).	35	ACRES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	
					Mercury in Fish Tissue	
Content Brook	MA83-09	Headwaters, outlet Richardson Pond, Billerica, to confluence with Shawsheen River, Tewksbury.	2.4	MILES	Aquatic Macroinvertebrate Bioassessments	
					Escherichia coli	2587
ELM BROOK	MA83-24	From beginning of channelized portion soutwest of Kendall Court, Bedford to confluence with Shawsheen River, Bedford (formerly part of segment MA83-05).	2.4	MILES	(Physical substrate habitat alterations*)	
					Escherichia coli	2587
					Fecal Coliform	2587
					Sedimentation/Siltation	
Fosters Pond	MA83005	Andover/Wilmington.	109	ACRES	(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	
					Oxygen, Dissolved	
Hussey Pond	MA83009	Andover.	1	ACRES	Excess Algal Growth	
Long Pond	MA83010	Tewksbury.	44	ACRES	Chlorophyll-a	
					Excess Algal Growth	
					Oxygen, Dissolved	
					Phosphorus (Total)	
					Secchi disk transparency	
Pomps Pond	MA83014	Andover.	25	ACRES	(Non-Native Aquatic Plants*)	
					Mercury in Fish Tissue	
Rabbit Pond	MA83015	Andover.	2	ACRES	Turbidity	
Shawsheen River	MA83-01	Summer Street (historcally listed as Maguire Road), Bedford to confluence with Spring Brook, Bedford.	1.6	MILES	(Physical substrate habitat alterations*)	
					Escherichia coli	2587
					Fecal Coliform	2587
					Oxygen, Dissolved	
					Sedimentation/Siltation	
Shawsheen River	MA83-08	Headwater, north of Folly Pond and North Great Road, Lincoln to Summer Street, Bedford.	2.1	MILES	Escherichia coli	2587
					Fecal Coliform	2587
					Oxygen, Dissolved	
					Physical substrate habitat alterations	
Shawsheen River	MA83-17	Confluence with Spring Brook, Bedford to the Burlington Water Department's surface water intake, Billerica. (Formerly part of segment MA83-02, changed for 2004 cycle).	5.7	MILES	Escherichia coli	2587
					Fecal Coliform	2587
					Oxygen, Dissolved	
Unnamed Tributary	MA83-15	Unnamed tributary to Meadow Brook, also known as "Pinnacle Brook" - from small wetland east of Route 93, Andover, to confluence with Meadow Brook, Tewksbury (includes intermittent portion).	2.1	MILES	(Low flow alterations*)	
					Chloride	
					Escherichia coli	2587
					Fecal Coliform	2587

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
Unnamed Tributary	MA83-20	Unnamed intermittent tributary to the Shawsheen River, from Dascomb Road, Andover to confluence with Shawsheen River, Tewksbury.	0.9	MILES	Chloride	
Vine Brook	MA83-06	Headwaters (southeast of Granny Hill) near Grant Street, Lexington to confluence with Shawsheen River, Bedford (through Butterfield Pond formerly segment MA83003).	6.8	MILES	Oxygen, Dissolved	
					Turbidity	
WEBB BROOK	MA83-22	Headwaters north of Webb Brook Road, Billerica to confluence with Shawsheen River, Billerica.	1.6	MILES	Escherichia coli	
South Coastal						
Aaron River	MA94-28	Outlet Aaron River Reservoir, Cohasset to flow control structure near Beechwood Street (confluence with Bound Brook), Cohasset.	1	MILES	(Fish-Passage Barrier*)	
					(Non-Native Aquatic Plants*)	
					Excess Algal Growth	
Billington Sea	MA94007	Plymouth.	263	ACRES	Excess Algal Growth	
					Turbidity	
Bound Brook	MA94-18	Headwaters, flow control structure near Beechwood Street, Cohasset to mouth at outlet Hunters Pond (confluence with The Gulf), Scituate.	2.1	MILES	(Fish-Passage Barrier*)	
					Turbidity	
Crossman Pond	MA94032	Kingston.	13	ACRES	Aquatic Plants (Macrophytes)	
CUSHING BROOK	MA94-40	Headwaters (perennial portion), east of Pleasant Street, Rockland to mouth at confluence with Drinkwater River, Hanover.	3.1	MILES	Escherichia coli	
Drinkwater River	MA94-21	From Whiting Street, Hanover to mouth at inlet Factory Pond, Hanover (through Forge Pond, formerly segment MA94037).	3.5	MILES	(Debris/Floatables/Trash*)	
					(Non-Native Aquatic Plants*)	
					Chlorophyll-a	
					Dissolved oxygen saturation	
					Escherichia coli	61724
					Excess Algal Growth	
					Fecal Coliform	61724
					Mercury in Fish Tissue	
					Oxygen, Dissolved	
					Phosphorus (Total)	
					Secchi disk transparency	
Factory Pond	MA94175	Hanson/Hanover.	51	ACRES	Mercury in Fish Tissue	
Foundry Pond	MA94038	Kingston.	7	ACRES	Turbidity	
French Stream	MA94-03	Headwaters on the southeast side of the South Weymouth Naval Air Station, Rockland to mouth at confluence with Drinkwater River, Hanover (excluding the approximately 0.3 mile through Studleys Pond).	5.8	MILES	Escherichia coli	61718
					Fecal Coliform	61718
					Fishes Bioassessments	
					Oxygen, Dissolved	
					Phosphorus (Total)	
					Whole Effluent Toxicity (WET)	
Furnace Pond	MA94043	Pembroke.	103	ACRES	Oxygen, Dissolved	
Green Harbor River	MA94-10	Headwaters, outlet Black Mountain Pond, Marshfield to the tidegate at Route 139, Marshfield.	5.7	MILES	(Fish-Passage Barrier*)	
					(Other flow regime alterations*)	
					Excess Algal Growth	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
					Turbidity	
Indian Head Pond	MA94071	Hanson.	120	ACRES	Harmful Algal Bloom	
Indian Head River	MA94-04	Headwaters, outlet Factory Pond, Hanover/Hanson to Curtis Crossing Dam (also called Ludhams Ford Dam (NATID: MA00428)) west of Elm Street, Hanover/Pembroke.	2.8	MILES	Escherichia coli	
					Mercury in Fish Tissue	
					Oxygen, Dissolved	
					Phosphorus (Total)	
Indian Head River	MA94-22	From Curtis Crossing Dam (also called Ludhams Ford Dam (NATID: MA00428)) west of Elm Street, Hanover/Pembroke to mouth at confluence with Herring Brook, (forming headwaters of North River) Hanover/Pembroke.	0.9	MILES	Mercury in Fish Tissue	
Jones River	MA94-12	Headwaters, outlet Silver Lake, Kingston to dam (NATID: MA00396) near Wapping Road, Kingston.	4.1	MILES	(Fish-Passage Barrier*)	
					(Low flow alterations*)	
					Aquatic Plants (Macrophytes)	
					Excess Algal Growth	
					Oxygen, Dissolved	
					Turbidity	
Jones River	MA94-13	From dam (NATID: MA00396) near Wapping Road, Kingston to dam (NATID: MA00395) at Elm Street, Kingston.	0.9	MILES	(Low flow alterations*)	
					Aquatic Plants (Macrophytes)	
					Excess Algal Growth	
					Oxygen, Dissolved	
					Turbidity	
Lily Pond	MA94179	Cohasset.	50	ACRES	(Fish-Passage Barrier*)	
					(Non-Native Aquatic Plants*)	
					Secchi disk transparency	
LONGWATER BROOK	MA94-39	Headwaters, south of Route 3, Norwell to mouth at confluence with Drinkwater River, Hanover.	2.8	MILES	Escherichia coli	
Musquashcut Pond	MA94-33	Scituate (formerly reported as MA94105).	0.11	SQUARE MILES	(Other flow regime alterations*)	
					Chlorophyll-a	
					Dissolved oxygen saturation	
					Excess Algal Growth	
					Fecal Coliform	61713
					Phosphorus (Total)	
North River	MA94-05	Headwaters, confluence of Indian Head River and Herring Brook, Hanover/Pembroke to Route 3A, Marshfield/Scituate.	0.3	SQUARE MILES	Fecal Coliform	61725
					Mercury in Fish Tissue	
Old Oaken Bucket Pond	MA94113	Scituate.	9	ACRES	(Non-Native Aquatic Plants*)	
					Phosphorus (Total)	
Oldham Pond	MA94114	Pembroke/Hanson.	232	ACRES	(Non-Native Aquatic Plants*)	
					Harmful Algal Bloom	
Plymouth Harbor	MA94-16	The waters south of a line drawn from the tip of Plymouth Beach to High Cliff, Plymouth.	2.53	SQUARE MILES	Fecal Coliform	61737
					Nutrient/Eutrophication Biological Indicators	
Russell Millpond	MA94132	Plymouth.	42	ACRES	(Fish-Passage Barrier*)	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
					Excess Algal Growth	
Savery Pond	MA94136	Plymouth.	29	ACRES	Harmful Algal Bloom	
Studleys Pond	MA94151	Rockland.	25	ACRES	Fecal Coliform	
Wampatuck Pond	MA94168	Hanson.	63	ACRES	(Non-Native Aquatic Plants*)	
					Chlorophyll-a	
					Dissolved oxygen saturation	
					Harmful Algal Bloom	
					Phosphorus (Total)	
					Secchi disk transparency	
Taunton						
Ames Long Pond	MA62001	Stoughton/Easton.	88	ACRES	(Non-Native Aquatic Plants*)	
					Aquatic Plants (Macrophytes)	
					Turbidity	
Big Bearhole Pond	MA62011	Taunton.	38	ACRES	(Non-Native Aquatic Plants*)	
					Oxygen, Dissolved	
Cain Pond	MA62030	Taunton.	3	ACRES	Oxygen, Dissolved	
					Turbidity	
Glue Factory Pond	MA62078	Foxborough (formerly a portion of MA62-39).	7	ACRES	(Physical substrate habitat alterations*)	
					Aquatic Macroinvertebrate Bioassessments	
					Fishes Bioassessments	
					Sedimentation/Siltation	
Island Grove Pond	MA62094	Abington.	31	ACRES	(Non-Native Aquatic Plants*)	
					Excess Algal Growth	
					Turbidity	
Lake Sabbatia	MA62166	Taunton.	265	ACRES	(Non-Native Aquatic Plants*)	
					Oxygen, Dissolved	
Matfield River	MA62-32	Headwaters, confluence Beaver Brook and Salisbury Plain River, East Bridgewater to mouth at confluence with Town River forming headwaters Taunton River, Bridgewater.	6.3	MILES	Aquatic Macroinvertebrate Bioassessments	
					Escherichia coli	40308
					Excess Algal Growth	
					Fecal Coliform	40308
					Oxygen, Dissolved	
					Phosphorus (Total)	
					Taste and Odor	
Monponsett Pond, East Basin	MA62218	[East Basin] Halifax.	247	ACRES	(Non-Native Aquatic Plants*)	
					Chlorophyll-a	
					Harmful Algal Bloom	
					Mercury in Fish Tissue	33880
Monponsett Pond, West Basin	MA62119	[West Basin] Halifax/Hanson.	283	ACRES	(Non-Native Aquatic Plants*)	
					Chlorophyll-a	
					Harmful Algal Bloom	
					Phosphorus (Total)	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
					Secchi disk transparency	
Muddy Cove Brook Pond	MA62124	Dighton.	23	ACRES	Excess Algal Growth	
					Turbidity	
Norton Reservoir	MA62134	Norton/Mansfield.	557	ACRES	(Non-Native Aquatic Plants*)	
					Dioxin (including 2,3,7,8-TCDD)	
					Excess Algal Growth	
					Pentachlorophenol (PCP)	
					Phosphorus (Total)	
					Turbidity	
Reservoir (White Oak Reservoir)	MA62157	Hanson.	13	ACRES	Nutrient/Eutrophication Biological Indicators	
Robinson Brook	MA62-14	Headwaters, outlet Hersey Pond, Foxborough to mouth at confluence with Rumford River, Mansfield.	1.9	MILES	(Physical substrate habitat alterations*)	
					Aquatic Macroinvertebrate Bioassessments	
RUMFORD RIVER	MA62-62	Headwaters, outlet Gavins Pond, Sharon to inlet Glue Factory Pond, Foxborough (through former segment Vandys Pond MA62112) (formerly part of MA62-39 and MA62-15 (2004)).	2.8	MILES	(Non-Native Aquatic Plants*)	
					(Physical substrate habitat alterations*)	
					Aquatic Macroinvertebrate Bioassessments	
					Fishes Bioassessments	
					Sedimentation/Siltation	
RUMFORD RIVER	MA62-63	From outlet Glue Factory Pond, Foxborough to inlet Norton Reservoir, Norton (through former pond segments; Fulton Pond MA62075, Hodges Pond MA62091 and Cabot Pond MA62029) (formerly part of segment MA62-39 and MA62-15 (2004)).	5.1	MILES	(Physical substrate habitat alterations*)	
					Aquatic Macroinvertebrate Bioassessments	
					Dioxin (including 2,3,7,8-TCDD)	
					Fishes Bioassessments	
					Pentachlorophenol (PCP)	
					Sedimentation/Siltation	
Salisbury Brook	MA62-08	Headwaters, outlet Cross Pond, Brockton to mouth at confluence with Trout Brook forming headwaters Salibury Plain River, Brockton.	2.5	MILES	(Debris/Floatables/Trash*)	
					(Physical substrate habitat alterations*)	
					Escherichia coli	40308
					Excess Algal Growth	
					Fecal Coliform	40308
					Sedimentation/Siltation	
Salisbury Plain River	MA62-05	Headwaters, confluence of Trout and Salisbury brooks, Brockton to the Brockton Advanced Water Reclamation Facility (AWRF) discharge (NPDES: MA0101010), Brockton.	2.4	MILES	(Debris/Floatables/Trash*)	
					(Physical substrate habitat alterations*)	
					Escherichia coli	40308
					Fecal Coliform	40308
					Oxygen, Dissolved	
					Sedimentation/Siltation	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
Salisbury Plain River	MA62-06	From the Brockton Advanced Water Reclamation Facility (AWRF) discharge (NPDES: MA0101010), Brockton to mouth at confluence with Beaver Brook forming headwaters Matfield River, East Bridgewater.	2.3	MILES	Aquatic Macroinvertebrate Bioassessments	
					Escherichia coli	40308
					Excess Algal Growth	
					Fecal Coliform	40308
					Oxygen, Dissolved	
					Phosphorus (Total)	
					Taste and Odor	
					Turbidity	
Sassaquin Pond	MA62232	New Bedford (formerly reported as MA95129).	36	ACRES	Excess Algal Growth	
					Fecal Coliform	
					Harmful Algal Bloom	
					Taste and Odor	
Shumatuscacant River	MA62-33	Headwaters, from wetland northwest of Vineyard Road, Abington to mouth at confluence with Poor Meadow Brook, Hanson (through Hobart Pond formerly segment MA62090) (excluding 0.5 mile through Island Grove Pond MA62094).	8	MILES	(Non-Native Aquatic Plants*)	
					(Physical substrate habitat alterations*)	
					Fecal Coliform	40308
					Oxygen, Dissolved	
					Sedimentation/Siltation	
Stetson Pond	MA62182	Pembroke.	88	ACRES	(Non-Native Aquatic Plants*)	
					Harmful Algal Bloom	
					Oxygen, Dissolved	
					Phosphorus (Total)	
Taunton River	MA62-01	Headwaters, confluence of Town and Matfield rivers, Bridgewater to Route 24 bridge, Taunton/Raynham.	19.5	MILES	Escherichia coli	
Taunton River	MA62-03	From Berkley Bridge, Dighton/Berkley to confluence with Assonet River at a line from Sandy Point, Somerset northeasterly to the southwestern tip of Assonet Neck, Berkley.	0.92	SQUARE MILES	Fecal Coliform	40310
					Oxygen, Dissolved	
Taunton River	MA62-04	From confluence with Assonet River at a line from Sandy Point, Somerset northeasterly to the southwestern tip of Assonet Neck, Berkley to mouth just upstream of the Braga Bridge, Somerset/Fall River.	2.6	SQUARE MILES	Enterococcus	
					Fecal Coliform	40310
					Fishes Bioassessments	
					Oxygen, Dissolved	
Trout Brook	MA62-07	Headwaters, perennial portion, northeast of Argyle Avenue and west of Conrail Line, Avon to mouth at confluence with Salisbury Brook forming headwaters Salisbury Plain River, Brockton.	3.4	MILES	Escherichia coli	40308
					Fecal Coliform	40308
					Oxygen, Dissolved	
Unnamed Tributary	MA62-42	Headwaters, south of Slab Bridge Road (in Cedar Swamp portion of Freetown-Fall River State Forest), Freetown to mouth at confluence with Cedar Swamp River, Lakeville.	4	MILES	Aquatic Macroinvertebrate Bioassessments	
					Fishes Bioassessments	
Unnamed Tributary	MA62-48	Channel from Taunton Municipal Lighting Plant, Taunton to mouth at confluence with the Taunton River, Taunton.	0.002	SQUARE MILES	(Other flow regime alterations*)	
					(Physical substrate habitat alterations*)	
					Aquatic Macroinvertebrate Bioassessments	
					Fishes Bioassessments	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
					Temperature, water	
Wading River	MA62-47	Headwaters, outlet Furnace Lake, Foxborough to Balcolm Street, Mansfield (through former pond segments; Robinson Pond MA62163 and Blakes Pond MA62221) (formerly part of segment MA62-17) (1987 Wrentham quad depicts river incorrectly) .	5	MILES	Excess Algal Growth	
					Oxygen, Dissolved	
Watson Pond	MA62205	Taunton.	78	ACRES	(Non-Native Aquatic Plants*)	
					Enterococcus	
					Excess Algal Growth	
					Oxygen, Dissolved	
					Phosphorus (Total)	
					Secchi disk transparency	
Woods Pond	MA62220	Middleborough.	51	ACRES	(Non-Native Aquatic Plants*)	
					Turbidity	
Ten Mile						
Bungay River	MA52-06	Headwaters, outlet Greenwood Lake, North Attleborough to confluence with Ten Mile River, Attleboro.	5.1	MILES	Aquatic Macroinvertebrate Bioassessments	
					Oxygen, Dissolved	
Cargill Pond	MA52004	Plainville.	2	ACRES	Turbidity	
Central Pond	MA52006	Seekonk,MA/Pawtucket,RI/Providence,RI (size indicates portion in Massachusetts).	6	ACRES	Aquatic Plants (Macrophytes)	
					Dissolved oxygen saturation	
					Excess Algal Growth	
					Organic Enrichment (Sewage) Biological Indicators	
					Oxygen, Dissolved	
					Phosphorus (Total)	
Coles Brook	MA52-11	Headwaters, Grassie Swamp west of Allens Lane, Rehoboth to inlet Central Pond, Seekonk.	4.2	MILES	(Low flow alterations*)	
					Escherichia coli	
					Oxygen, Dissolved	
Falls Pond, North Basin	MA52013	North Attleborough.	54	ACRES	Excess Algal Growth	
					Nutrient/Eutrophication Biological Indicators	
					Oxygen, Dissolved	
					Phosphorus (Total)	
Fourmile Brook	MA52-10	Headwaters, outlet Manchester Pond Reservoir, Attleboro to inlet Orrs Pond, Attleboro.	1	MILES	Sedimentation/Siltation	
James V. Turner Reservoir	MA52022	Seekonk,MA/E. Providence,RI (size indicates portion in Massachusetts).	28	ACRES	Aquatic Plants (Macrophytes)	
					Dissolved oxygen saturation	
					Excess Algal Growth	
					Harmful Algal Bloom	
					Organic Enrichment (Sewage) Biological Indicators	
					Phosphorus (Total)	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
Lake Como	MA52010	Attleboro.	5	ACRES	(Non-Native Aquatic Plants*)	
					Excess Algal Growth	
					Turbidity	
Plain Street Pond	MA52032	Mansfield.	12	ACRES	(Non-Native Aquatic Plants*)	
					Excess Algal Growth	
Scotts Brook	MA52-09	Headwaters, north of High Street, North Attleborough to confluence with Ten Mile River, North Attleborough.	2.1	MILES	(Low flow alterations*)	
					Escherichia coli	
Sevenmile River	MA52-07	Headwaters, outlet Hoppin Hill Reservoir, North Attleborough to inlet Orrs Pond, Attleboro (thru Luther Reservoir formerly segment MA52025).	3.2	MILES	Escherichia coli	
Sevenmile River	MA52-08	Outlet Orrs Pond, Attleboro to confluence with Ten Mile River, Pawtucket, Rhode Island.	3.4	MILES	Escherichia coli	
					Fecal Coliform	
Speedway Brook	MA52-05	(locally known as Thacher Brook) Headwaters, Attleboro to inlet of Dodgeville Pond (a Ten Mile River impoundment), Attleboro.	0.9	MILES	(Alteration in stream-side or littoral vegetative covers*)	
					(Habitat Assessment (Streams)*)	
					Aquatic Macroinvertebrate Bioassessments	
					Escherichia coli	
					Fecal Coliform	
					Other (Unspecified Metals)	
					Oxygen, Dissolved	
					Sedimentation/Siltation	
Ten Mile River	MA52-01	Headwaters, outlet Cargill Pond, Plainville to West Bacon Street, Plainville (through Fuller Pond formerly segment MA52016).	1.5	MILES	Other (Unspecified Metals)	
Ten Mile River	MA52-02	West Bacon Street, Plainville to North Attleborough WWTP discharge (NPDES: MA0101036), Attleboro (excluding 0.9 miles thru Falls Pond segment MA52013, but including thru Wetherells Pond formerly segment MA52041) (HQW qualifier applies to portion of river upstream of Whiting Pond Dam (NATID: MA00859)).	4.1	MILES	Escherichia coli	
					Fecal Coliform	
					Other (Unspecified Metals)	
Ten Mile River	MA52-03	North Attleborough WWTP discharge (NPDES: MA0101036), Attleboro to the MA/RI border near Central Avenue, Seekonk, MA/Pawtucket, RI (thru former segments; Farmers Pond MA52015, Mechanics Pond MA52027, Dodgeville Pond MA52011, and Hebronville Pond MA52020).	9.1	MILES	(Aquatic Plants (Macrophytes)*)	
					Aquatic Macroinvertebrate Bioassessments	
					Chlordane in Fish Tissue	
					Escherichia coli	
					Excess Algal Growth	
					Fecal Coliform	
					Nutrient/Eutrophication Biological Indicators	
					Organic Enrichment (Sewage) Biological Indicators	
					Other (Unspecified Metals in Sediments)	
					Oxygen, Dissolved	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
					Phosphorus (Total)	
Westfield						
Ashley Brook	MA32-37	Headwaters (perennial portion), south of Hillside Road, Westfield to mouth at confluence with Jacks Brook, Westfield.	0.5	MILES	Escherichia coli	
Buck Pond	MA32012	Westfield.	23	ACRES	(Non-Native Aquatic Plants*)	
					Chlorophyll-a	
					Oxygen, Dissolved	
Congamond Lakes	MA32021	[Middle Basin] Southwick.	279	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Nonnative Fish, Shellfish, or Zooplankton*)	
					Harmful Algal Bloom	
					Oxygen, Dissolved	
Congamond Lakes	MA32022	[North Basin] Southwick.	46	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					Oxygen, Dissolved	
DEAD BRANCH (BROOK)	MA32-63	Headwaters, outlet Damon Pond, Chesterfield to mouth at confluence with Westfield River (Knightville Reservoir), Huntington.	8.5	MILES	Lack of a coldwater assemblage	
Horse Pond	MA32043	Westfield.	24	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	
					Chlorophyll-a	
					Oxygen, Dissolved	
Jacks Brook	MA32-39	Headwaters (perennial portion), east of Fowler Road, Westfield to inlet of Crane Pond/Little River, Westfield.	2.4	MILES	Escherichia coli	
Little River	MA32-08	Horton's Bridge, Westfield to confluence with Westfield River, Westfield.	4.9	MILES	Escherichia coli	
					Fecal Coliform	
Little River	MA32-16	Headwaters, confluence of Watts and Wards streams, Ringville (locality in Worthington), to mouth at confluence with Westfield River, Huntington.	5.7	MILES	Temperature, water	
Little River	MA32-36	From Springfield Water Works Intake Dam (NATID: MA00708) northwest of Gorge Road, Russell to Horton's Bridge, Westfield (formerly part of segment MA32-26).	5.8	MILES	Combined Biota/Habitat Bioassessments	
					Escherichia coli	
MIDDLE BRANCH WESTFIELD RIVER	MA32-65	Source in Peru State Wildlife Management Area, north of Pierce Road, Peru to Kinnebrook Road, Dayville (locality in Chester).	13.7	MILES	Temperature, water	
Miller Brook	MA32-27	Source, outlet small unnamed pond in Robinson State Park, north of North Street, Agawam to mouth at confluence with Westfield River, Agawam.	0.6	MILES	Escherichia coli	
MOOSE MEADOW BROOK	MA32-41	Outlet Westfield Reservoir to mouth at confluence with Westfield River, Westfield (formerly part of segment MA32-23).	4.8	MILES	Escherichia coli	
					Fecal Coliform	
Pequot Pond	MA32055	Westfield/Southampton.	155	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					(Non-Native Aquatic Plants*)	
					Chlorophyll-a	
					Enterococcus	
					Oxygen, Dissolved	

Category 5 waters listed alphabetically by major watershed
The 303(d) List – "Waters requiring a TMDL"

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	IMPAIRMENT	EPA TMDL NO.
					Phosphorus (Total)	
Potash Brook	MA32-22	Source, outlet Dunlap Pond, Blandford to mouth at confluence with Westfield River, Village of Woronoco, Russell.	5.2	MILES	Escherichia coli	
Powdermill Brook	MA32-09	Headwaters, perennial portion northeast of Montgomery Road (west of Grindstone Mountain), Westfield to mouth at confluence with Westfield River, Westfield.	8.4	MILES	Escherichia coli	
					Excess Algal Growth	
					Sedimentation/Siltation	
					Turbidity	
West Falls Branch	MA32-13	Headwaters (perennial portion), at confluence with Bronson Brook, northeast at the intersection of Dingle Road and Route 143, Worthington to mouth at confluence with Westfield River near the village of West Chesterfield, Chesterfield. (formerly identified by the Massachusetts Stream Classification Program as West Branch).	2.9	MILES	Temperature, water	
Westfield River	MA32-04	Headwaters, confluence of Drowned Land Brook and Center Brook, Savoy to confluence with Middle Branch Westfield River, Huntington.	33.1	MILES	Enterococcus	
					Temperature, water	
White Brook	MA32-28	Source just north of Route 147, Agawam to mouth at confluence with Westfield River, Agawam.	0.9	MILES	Escherichia coli	
Windsor Pond	MA32076	Windsor.	46	ACRES	(Eurasian Water Milfoil, Myriophyllum spicatum*)	
					Mercury in Fish Tissue	42410
					Oxygen, Dissolved	

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Blackstone					
Aldrich Pond	MA51002	Sutton.	2	ACRES	5
Arcade Pond	MA51003	Northbridge.	20	ACRES	5
Arnolds Brook	MA51-32	Headwaters, perennial portion, from outlet of unnamed pond at Whitehall Way, Bellingham to mouth at confluence with Peters River, Bellingham.	1.7	MILES	5
BACON BROOK	MA51-41	Outlet Ironstone Reservoir, Uxbridge to mouth at confluence with the Blackstone River, Uxbridge.	0.6	MILES	2
Beaver Brook	MA51-07	Outlet of small unnamed impoundment north of Beth Israel School and Flag Street School, Worcester to mouth at confluence with Middle River, Worcester (includes underground portion).	2.9	MILES	5
Bell Pond	MA51009	Worcester.	10	ACRES	3
Blackstone River	MA51-03	Confluence of Middle River and Mill Brook (downstream of the railroad spur bridge west of Tobias Boland Way), Worcester to Fisherville Pond Dam (NATID: MA00577), Grafton (through a portion of Fisherville Pond formerly segment MA51048).	10.4	MILES	5
Blackstone River	MA51-04	From Fisherville Pond Dam (NATID: MA00577), Grafton to Rice City Pond Dam (NATID: MA00935), Uxbridge (through Riverdale Impoundment formerly segment MA51136 and Rice City Pond formerly segment MA51131).	8.8	MILES	5
Blackstone River	MA51-05	From outlet Rice City Pond Dam (NATID: MA00935), Uxbridge to the most downstream railroad trestle crossing, Millville.	9.1	MILES	5
Blackstone River	MA51-06	From the most downstream railroad trestle crossing, Millville to the Rhode Island border west of Route 122, Blackstone.	3.8	MILES	5
Brierly Pond	MA51010	Millbury.	18	ACRES	4C
Brooklawn Parkway Pond	MA51195	Shrewsbury.	2	ACRES	3
Burncoat Park Pond	MA51012	Worcester.	6	ACRES	5
Carpenter Reservoir	MA51015	Northbridge.	79	ACRES	3
Cedar Swamp Brook	MA51-33	Headwaters, outlet Cedar Swamp, Uxbridge to mouth at confluence with Chockalog River, Douglas.	0.8	MILES	5
Center Brook	MA51-34	From outlet Mill Pond, Upton to mouth at confluence with West River, Upton.	2.8	MILES	2
Chase Pond	MA51017	Douglas.	11	ACRES	3
Chockalog Pond	MA51018	Uxbridge.	11	ACRES	3
Clark Reservoir	MA51022	Sutton.	30	ACRES	3
Coal Mine Brook	MA51-27	Headwaters, perennial portion, west of Plantation Street, Worcester to mouth at inlet Lake Quinsigamond, Worcester.	0.4	MILES	5
Coes Reservoir	MA51024	Worcester.	87	ACRES	4C
COLD SPRING BROOK	MA51-42	Headwaters, perennial portion north of Route 16, Uxbridge to mouth at inlet Rivulet Pond, Uxbridge.	1.1	MILES	2
Cook Allen Brook	MA51-28	Headwaters, outlet Reservoir No. 5, Sutton to mouth at inlet Whitins Pond, Northbridge (excluding approximately 0.2 mile through Reservoir No. 4, segment MA51128).	2	MILES	5
Crane Pond	MA51030	Blackstone.	1	ACRES	3

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
CRONIN BROOK	MA51-45	Headwaters, perennial portion west of Potter Hill Road, Grafton to mouth at confluence with the Blackstone River, Grafton.	2.6	MILES	5
Crystal Lake	MA51031	Douglas.	96	ACRES	3
Dark Brook	MA51-16	Headwaters, outlet Eddy Pond, Auburn to mouth at confluence with Kettle Brook, Auburn (through Auburn Pond formerly segment MA51004).	2.5	MILES	5
DARK BROOK	MA51-49	Headwaters, outlet Dark Brook Reservoir, Auburn to mouth at inlet Stoneville Pond (east of Wallace Avenue), Auburn.	1.3	MILES	2
Dark Brook Pond	MA51034	Sutton.	18	ACRES	3
Dark Brook Reservoir	MA51035	[South Basin] Auburn.	58	ACRES	4C
Dark Brook Reservoir	MA51036	[North Basin] Auburn.	171	ACRES	4C
Doctors Pond	MA51194	Uxbridge.	1	ACRES	3
Dorothy Pond	MA51039	Millbury.	133	ACRES	4A
Dudley Pond	MA51041	Douglas.	8	ACRES	3
Eddy Pond	MA51043	Auburn.	103	ACRES	4A
Emerson Brook	MA51-29	Headwaters, outlet Lee Pond, Uxbridge to mouth at confluence with the Blackstone River, Uxbridge.	1.9	MILES	2
Fish Pond	MA51047	Northbridge.	8	ACRES	5
Flint Pond	MA51050	[North Basin] Shrewsbury.	93	ACRES	4A
Flint Pond	MA51188	[South Basin] Shrewsbury/Grafton/Worcester.	173	ACRES	4A
FOX BROOK	MA51-39	Headwaters, perennial portion, northeast of Thayer Street, Millville to mouth at confluence with the Blackstone River, Blackstone (excluding 0.1 mile through Crane Pond segment MA51030).	3.4	MILES	5
Girard Pond	MA51053	Sutton.	2	ACRES	4C
Green Hill Pond	MA51056	Worcester.	29	ACRES	4A
Greene Brook	MA51-30	Headwaters, perennial portion, north of Linden Street, Douglas to mouth at confluence with Chockalog River, Douglas.	1.6	MILES	3
Hales Pond	MA51057	Wrentham.	4	ACRES	3
Hathaway Pond	MA51059	Millbury/Sutton.	8	ACRES	3
Hayes Pond	MA51060	Grafton.	5	ACRES	5
Holden Reservoir 1	MA51063	Holden.	129	ACRES	3
Holden Reservoir 2	MA51064	Holden.	51	ACRES	3
Houghton Pond	MA51067	Uxbridge.	2	ACRES	3
Howe Pond	MA51069	Millbury.	4	ACRES	3
Howe Reservoirs	MA51070	[East Basin] Millbury.	2	ACRES	4C
Howe Reservoirs	MA51071	[West Basin] Millbury.	7	ACRES	4A
Hunt Pond	MA51072	Douglas.	2	ACRES	3
Indian Lake	MA51073	Worcester.	187	ACRES	4A
Ironstone Reservoir	MA51074	Uxbridge.	28	ACRES	4C
Jenks Reservoir	MA51075	Bellingham.	26	ACRES	4C
Joels Pond	MA51076	Uxbridge.	11	ACRES	3
Joes Rock Pond	MA51077	Wrentham.	12	ACRES	3
Jordan Pond	MA51078	Shrewsbury.	18	ACRES	4A

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Kettle Brook	MA51-01	Outlet Kettle Brook Reservoir #1, Leicester to inlet Leesville Pond, Auburn (excluding the approximately 0.4 miles through Waite Pond segment MA51170) (through former segments: City Pond MA51021, Smiths Pond MA51156, and Stoneville Pond MA51160).	7	MILES	5
Kettle Brook	MA51-19	Outlet Kettle Brook Reservoir #4, Paxton, to inlet Kettle Brook Reservoir #1, Leicester (excluding approximately 0.8 mile through Kettle Brook Reservoir #3 segment MA51081 and approximately 0.5 mile through Kettle Brook Reservoir #2 segment MA51080).	1.9	MILES	2
Kettle Brook Reservoir No. 1	MA51079	Leicester.	11	ACRES	3
Kettle Brook Reservoir No. 2	MA51080	Leicester.	29	ACRES	3
Kettle Brook Reservoir No. 3	MA51081	Paxton/Leicester.	36	ACRES	3
Kettle Brook Reservoir No. 4	MA51082	Paxton.	114	ACRES	3
Lake Hiawatha	MA51062	Bellingham/Blackstone.	58	ACRES	3
Lake Quinsigamond	MA51125	Shrewsbury/Worcester.	474	ACRES	5
Lake Ripple	MA51135	Grafton.	47	ACRES	5
Laurel Brook	MA51-23	Headwaters, perennial portion, north of Yew Street, Douglas to mouth at confluence with Scadden Brook near the outlet of Sawmill Pond, Uxbridge (through Bazely Pond formerly segment MA51008).	3.3	MILES	2
Leesville Pond	MA51087	Auburn/Worcester.	34	ACRES	4A
Lynde Brook Reservoir	MA51090	Leicester.	130	ACRES	3
Manchaug Pond	MA51091	Douglas/Sutton.	364	ACRES	5
Marble Pond	MA51093	Sutton.	8	ACRES	5
Martin Street Pond	MA51095	Douglas.	3	ACRES	3
Merrill Pond No. 3	MA51098	Sutton.	13	ACRES	3
Merrill Pond No. 4	MA51099	Sutton.	20	ACRES	3
Middle River	MA51-02	Headwaters, outlet Coes Pond, Worcester to confluence with the unnamed tributary locally known as "Mill Brook" (downstream of the railroad spur bridge west of Tobias Boland Way), Worcester (through Middle River Pond formerly segment MA51101).	3.4	MILES	5
Mill Pond	MA51104	Upton.	10	ACRES	4C
Mill River	MA51-35	Headwaters, outlet North Pond, Milford/Upton to Mendon/Blackstone corporate boundary (through former segments Fiske Millpond MA51049, Mill Pond MA51102, Hopedale Pond MA51065 and Spindleville Pond MA51158) (formerly part of segment MA51-10).	11.8	MILES	5
Mill River	MA51-36	From Mendon/Blackstone corporate boundary to 1000 feet upstream of the Rhode Island border, Blackstone (through former segment Harris Pond MA51058) (formerly part of segment MA51-10) (the lower 1000 feet represents "All Interstate surface waters that are public water supply in Rhode Island from 1000 feet upstream of the State Line" which are designated as Class A/PWS/ORW in 314CMR4.00, January 2007).	4.1	MILES	5
Miscoe Brook	MA51-21	Headwaters, perennial portion, east of Adams Road, Grafton to mouth at inlet Silver Lake, Grafton (through Cider Millpond formerly segment MA51019).	1.9	MILES	2

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Miscoe Brook	MA51-37	Headwaters, perennial portion, from the Mendon/Upton/Northbridge corporate boundaries to mouth at confluence with Taft Pond Brook, Northbridge/Upton.	0.7	MILES	2
Miscoe Lake	MA51106	Wrentham (size indicates portion in Massachusetts) (entire portion in MA is from 1000 feet upstream of the state line, these interstate surface waters are public water supply in Rhode Island and designated in MA as Class A/PWS/ORW).	5	ACRES	4C
MUDDY BROOK	MA51-40	Headwaters, outlet small unnamed pond north of Nipmuc Regional High School, Mendon to mouth at confluence with Mill River, Mendon.	5.1	MILES	5
Mumford River	MA51-13	Headwaters, outlet Tuckers Pond, Sutton to Douglas WWTP discharge (NPDES: MA0101095), Douglas.	4.2	MILES	2
Mumford River	MA51-14	From Douglas WWTP discharge (NPDES: MA0101095), Douglas to mouth at confluence with Blackstone River, Uxbridge (through former segments: Gilboa Pond MA51052, Lackey Pond MA51083, Meadow Pond MA51193, Linwood Pond MA51088, Whitin Pond MA51178, and Caprons Pond MA51014).	9.4	MILES	5
Newton Pond	MA51110	Shrewsbury/Boylston.	54	ACRES	4C
Nipmuck Pond	MA51111	Mendon.	85	ACRES	3
North Pond	MA51112	Hopkinton/Milford.	231	ACRES	4C
Number 1 Pond	MA51114	Sutton.	9	ACRES	5
Number 2 Pond	MA51115	Sutton/Oxford.	9	ACRES	3
Peabody Pond	MA51119	Uxbridge.	6	ACRES	3
Peters River	MA51-18	Headwaters, outlet Silver Lake, Bellingham to Rhode Island border east of Route 126, Bellingham.	4	MILES	5
Pondville Pond	MA51120	Auburn/Millbury.	36	ACRES	4A
Poor Farm Brook	MA51-17	Headwaters, West Boylston to the inlet of Shirley Street Pond, Shrewsbury (through City Farm Pond formerly segment MA51020).	3.6	MILES	5
Pout Pond	MA51121	Uxbridge.	9	ACRES	3
Pout Pond	MA51122	Boylston.	14	ACRES	3
Pratt Pond	MA51123	Upton.	40	ACRES	4C
Pratts Pond	MA51124	Grafton.	4	ACRES	3
Quinsigamond River	MA51-09	Headwaters, outlet Flint Pond, Grafton to confluence with the Blackstone River in Fisherville Pond, Grafton (excluding approximately 0.5 mile through Lake Ripple segment MA51135) (segment includes all of Hovey Pond formerly segment MA51068 and a portion of Fisherville Pond formerly segment MA51048).	5.2	MILES	4C
Ramshorn Pond	MA51126	Sutton/Millbury.	131	ACRES	3
Reservoir No. 4	MA51128	Sutton.	10	ACRES	3
Riley Pond	MA51134	Northbridge.	7	ACRES	5
Riverlin Street Pond	MA51137	Millbury.	2	ACRES	4C
Rivulet Pond	MA51138	Uxbridge.	4	ACRES	4C
Scadden Brook	MA51-24	Headwaters, perennial portion, north of Davis Street, Douglas to mouth at inlet Lee Pond, Uxbridge (through Lee Reservoir formerly segment MA51086).	2.4	MILES	2
Schoolhouse Pond	MA51144	Sutton.	7	ACRES	3

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
SEWALL BROOK	MA51-44	Headwaters, west of Baypath Drive, Boylston to inlet Sewall Pond, Boylston.	2.8	MILES	2
Sewall Pond	MA51191	Boylston.	13	ACRES	3
Shirley Street Pond	MA51196	Shrewsbury.	19	ACRES	4A
Sibley Reservoir	MA51148	Sutton.	25	ACRES	4C
Silver Hill Pond	MA51149	Milford.	6	ACRES	3
Silver Lake	MA51150	Bellingham.	42	ACRES	4C
Silver Lake	MA51151	Grafton.	25	ACRES	4C
Singletary Brook	MA51-31	Headwaters, outlet Singletary Pond, Millbury to mouth at confluence with the Blackstone River, Millbury (excluding the approximately 0.4 miles through Brierly Pond segment MA51010).	1.5	MILES	5
Singletary Pond	MA51152	Sutton/Millbury.	341	ACRES	4C
Slaughterhouse Pond	MA51153	Millbury/Sutton.	10	ACRES	3
Southwick Pond	MA51157	Leicester/Paxton.	43	ACRES	4A
Spring Brook	MA51-25	Headwaters, perennial portion, north of Lovell Street, Mendon to mouth at confluence with Muddy Brook, Mendon.	1.9	MILES	2
Stevens Pond	MA51159	Sutton.	85	ACRES	4C
Stoneville Reservoir	MA51161	Auburn.	60	ACRES	3
Stump Pond	MA51162	Oxford.	20	ACRES	3
Sutton Falls	MA51163	Sutton.	11	ACRES	5
Swans Pond	MA51164	Sutton/Northbridge.	32	ACRES	4C
Taft Pond	MA51165	Upton.	11	ACRES	4C
Taft Pond Brook	MA51-26	Headwaters, outlet Taft Pond, Upton to mouth at confluence with West River, Northbridge.	1.2	MILES	2
Tatnuck Brook	MA51-15	From outlet Holden Reservoir #2, Holden to inlet Coes Reservoir, Worcester (through Cook Pond formerly segment MA51027 and Patch Reservoir formerly segment MA51118).	3.3	MILES	5
TATNUCK BROOK	MA51-48	Headwaters, south of Brennan Way, Holden to inlet Holden Reservoir 1, Holden.	1.3	MILES	3
Tinker Hill Pond	MA51167	Auburn.	37	ACRES	4C
Tinkerville Brook	MA51-22	Headwaters, perennial portion, north of Walnut Street, Douglas to Rhode Island border, Douglas.	2.4	MILES	2
Town Farm Pond	MA51168	Sutton.	6	ACRES	3
Tuckers Pond	MA51169	Sutton.	26	ACRES	4C
Unnamed Tributary	MA51-08	(Also known as "Mill Brook") Headwaters, outlet Indian Lake, Worcester to mouth at confluence with Middle River (downstream of the railroad spur bridge west of Tobias Boland Way), Worcester (through Salisbury Pond formerly segment MA51142).	5.6	MILES	5
Unnamed Tributary	MA51-20	From the outlet of Leesville Pond, Worcester to the confluence with Middle River, Worcester (through Curtis ponds formerly reported as segments MA51033 and MA51032).	1.4	MILES	5
Unnamed Tributary	MA51-38	Unnamed tributary to Dark Brook, from perennial portion near the Route 90, 290EB, 395SB, 12NB interchange, Auburn to mouth at confluence with the Dark Brook south of Water Street, Auburn (sections culverted).	0.8	MILES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Unnamed Tributary	MA51-46	Unnamed Tributary eventually to Tatnuck Brook, headwaters, perennial portion, east of Bailey Road, Holden to mouth at confluence with unnamed tributary to Tatnuck Brook, Holden.	0.3	MILES	2
Waite Pond	MA51170	Leicester.	49	ACRES	4A
Wallum Lake	MA51172	Douglas (size indicates portion in Massachusetts excluding approximately 30 acres; these 30 acres represent "All Interstate surface waters that are public water supply in Rhode Island from 1000 feet upstream of the State Line" which are designated as Class A/PWS/ORW in 314CMR4.00, January 2007).	109	ACRES	2
WARREN BROOK	MA51-47	Headwaters, west of North Street, Upton to mouth at confluence with West River, Upton.	3.6	MILES	2
Welsh Pond	MA51176	Sutton.	8	ACRES	5
WEST BROOK	MA51-43	Headwaters, perennial portion west of Route 290 and north of Gulf Street, Shrewsbury to culvert entrance between Baker and Elmo avenues, Shrewsbury (isolated Quinsigamond River tributary) (through Mill Pond formerly segment MA51105).	3.2	MILES	2
West River	MA51-11	Headwaters, outlet Silver Lake, Grafton to Upton WWTP discharge (NPDES: MA0100196), Upton (through Lake Wildwood formerly segment MA51181).	3.7	MILES	5
West River	MA51-12	From Upton WWTP discharge (NPDES: MA0100196), Upton to mouth at confluence with the Blackstone River, Uxbridge (through former segments Harrington Pool MA51197, and West River Pond MA51177).	9.4	MILES	5
Whitin Reservoir	MA51179	Douglas.	342	ACRES	3
Whitins Pond	MA51180	Northbridge/Sutton.	163	ACRES	4C
Windle Pond	MA51184	Grafton/Shrewsbury.	4	ACRES	3
Woodbury Pond	MA51185	Sutton.	5	ACRES	5
Woolshop Pond	MA51186	Millbury.	5	ACRES	5
Boston Harbor (Proper)					
Boston Harbor	MA70-01	The area defined by a line from the southerly tip of Deer Island to Boston Lighthouse on Little Brewster Island, then south to Point Allerton; across Hull and West guts; across the mouths of Quincy and Dorchester bays, Boston Inner Harbor and Winthrop Bay (including President Roads and Nantasket Roads).	18.6	SQUARE MILES	5
Boston Inner Harbor	MA70-02	From the Mystic and Chelsea rivers, Chelsea/Boston, to the line between Governors Island and Fort Independence, Boston (East Boston) (including Fort Point, Reserved and Little Mystic channels).	2.56	SQUARE MILES	5
Dorchester Bay	MA70-03	From the mouth of the Neponset River, Boston/Quincy to the line between Head Island and the north side of Thompson Island and the line between the south point of Thompson Island, Boston and Chapel Rocks, Quincy.	3.46	SQUARE MILES	5
Hingham Bay	MA70-06	The area north of the mouth of the Weymouth Fore River extending on the west along the line between Nut Island and the south point of West Head, and on the east side along a line from Prince Head just east of Pig Rock to the mouth of the Weymouth Fore River (midway between Lower Neck and Manot Beach), Quincy.	0.96	SQUARE MILES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Hingham Bay	MA70-07	The area defined between Peddocks Island and Windmill Point; from Windmill Point southeast to Bumkin Island; from Bumkin Island southeast to Sunset Point; from Sunset Point across the mouth of the Weir River to Worlds End; from Worlds End across the mouth of Hingham Harbor to Crow Point; from Beach Lane, Hingham across the mouth of the Weymouth Back River to Lower Neck; and from Lower Neck midway across the mouth of the Weymouth Fore River.	4.8	SQUARE MILES	5
Hull Bay	MA70-09	The area defined east of a line from Windmill Point, Hull to Bumkin Island, Hingham and from Bumkin Island to Sunset Point, Hull.	2.48	SQUARE MILES	5
Pleasure Bay	MA70-11	A semi-enclosed bay, the flow restricted through two channels between Castle and Head islands, Boston.	0.22	SQUARE MILES	5
Quincy Bay	MA70-04	From Bromfield Street near the Wollaston Yacht Club, northeast to N42 17.3 W71 00.1, then southeast to Houghs Neck near Sea Street and Peterson Road (formerly referred to as the "Willows"), Quincy.	1.52	SQUARE MILES	5
Quincy Bay	MA70-05	Quincy Bay, north of the class SA waters (segment MA70-04), Quincy to the line between Moon Head and Nut Island, Quincy.	4.41	SQUARE MILES	5
Winthrop Bay	MA70-10	From the tidal flats at Coleridge Street, Boston (East Boston) to a line between Logan International Airport and Point Shirley, Boston/Winthrop.	1.65	SQUARE MILES	5
Boston Harbor: Mystic					
Aberjona River	MA71-01	Source just south of Birch Meadow Drive, Reading to inlet Upper Mystic Lake at Mystic Valley Parkway, Winchester (portion culverted underground). (through former pond segments Judkins Pond MA71021 and Mill Pond MA71031).	9.1	MILES	5
Alewife Brook	MA71-04	Outlet of Little Pond, Belmont to confluence with Mystic River, Arlington/Somerville (portion in Belmont and Cambridge identified as Little River with name changing to Alewife Brook at Arlington corporate boundary).	2.3	MILES	5
Belle Isle Inlet	MA71-14	From tidegate at Bennington Street, Boston/Revere to confluence with Winthrop Bay, Boston/Winthrop.	0.12	SQUARE MILES	5
Bellevue Pond	MA71004	Medford.	2	ACRES	3
Blacks Nook	MA71005	Cambridge.	2	ACRES	5
Chelsea River	MA71-06	From confluence with Mill Creek, Chelsea/Revere to confluence with Boston Inner Harbor, Chelsea/East Boston.	0.37	SQUARE MILES	5
Clay Pit Pond	MA71011	Belmont.	12	ACRES	5
Cummings Brook	MA71-10	Headwaters east of Wright Street, Woburn to confluence with Fowle Brook, Woburn.	2.1	MILES	5
Ell Pond	MA71014	Melrose.	23	ACRES	5
Fellsmere Pond	MA71016	Malden.	5	ACRES	5
Hills Pond	MA71018	Arlington.	2	ACRES	4C
Horn Pond	MA71019	Woburn.	108	ACRES	5
Little Pond	MA71024	Belmont.	18	ACRES	5
Lower Mystic Lake	MA71027	Arlington/Medford.	93	ACRES	5
Malden River	MA71-05	Headwaters south of Exchange Street, Malden to confluence with Mystic River, Everett/Medford.	2.3	MILES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Mill Brook	MA71-07	Headwaters south of Massachusetts Avenue, Lexington to inlet of Lower Mystic Lake, Arlington (portions culverted underground).	3.9	MILES	5
Mill Creek	MA71-08	From Route 1, Chelsea/Revere to confluence with Chelsea River, Chelsea/Revere.	0.02	SQUARE MILES	5
MUNROE BROOK	MA71-15	Headwaters, north of Solomon Pierce Road, Lexington to the mouth at inlet Arlington Reservoir, Lexington (includes culverted portion).	1.8	MILES	5
Mystic River	MA71-02	Outlet Lower Mystic Lake, Arlington/Medford to Amelia Earhart Dam, Somerville/Everett.	5	MILES	5
Mystic River	MA71-03	Amelia Earhart Dam, Somerville/Everett to confluence with Boston Inner Harbor, Chelsea/Charlestown (Includes Island End River).	0.49	SQUARE MILES	5
POND BROOK	MA71-16	Headwaters, outlet Horn Pond, Woburn to mouth at inlet Wedge Pond, Winchester.	1	MILES	3
Sales Creek	MA71-12	Headwaters near Route 145, Revere to Bennington Street tidegate/confluence with Belle Isle Inlet, Boston/Revere.	0.01	SQUARE MILES	3
Shaker Glen Brook	MA71-11	Headwaters, west of Dix Road Extention, Woburn to confluence with Fowle Brook, Woburn (portion culverted underground).	1.5	MILES	5
Spot Pond	MA71039	Stoneham/Medford.	290	ACRES	3
Spy Pond	MA71040	Arlington.	98	ACRES	5
Unnamed Tributary	MA71-13	Unnamed tributary locally known as 'Meetinghouse Brook', from emergence south of Route 16/east of Winthrop Street, Medford to confluence with the Mystic River, Medford. (brook not apparent on 1985 Boston North USGS quad - 2005 orthophotos used to delineate stream).	0.1	MILES	5
Upper Mystic Lake	MA71043	Winchester/Arlington/Medford.	176	ACRES	5
Wedge Pond	MA71045	Winchester.	23	ACRES	5
Winn Brook	MA71-09	Headwaters near Juniper Road and the Belmont Hill School, Belmont to confluence with Little Pond, Belmont (portions culverted underground).	1.4	MILES	5
Winter Pond	MA71047	Winchester.	19	ACRES	5
Boston Harbor: Neponset					
Beaver Brook	MA73-19	Headwaters (perennial portion), near Moose Hill Street, Sharon through Sawmill Pond to mouth at confluence with Massapoag Brook, Sharon.	3.5	MILES	5
Beaver Meadow Brook	MA73-20	Headwaters, outlet of Glenn Echo Pond, Stoughton, to mouth at inlet of Bolivar Pond, Canton.	3.3	MILES	5
Billings Street/East Street Pond	MA73065	Sharon.	2	ACRES	4C
Blue Hills Reservoir	MA73004	Quincy.	7	ACRES	3
Bolivar Pond	MA73005	Canton.	20	ACRES	5
Bubbling Brook	MA73-11	Headwaters (perennial portion), near North Street, Walpole to mouth at inlet Pettee Pond, Walpole/Westwood border.	0.9	MILES	2
Buckmaster Pond	MA73006	Westwood.	34	ACRES	3
Clark Pond	MA73008	Walpole.	7	ACRES	4C
Cobbs Pond	MA73009	Walpole.	14	ACRES	5
East Branch	MA73-05	East Branch Neponset River - Headwaters, outlet of Forge Pond, Canton through East Branch Pond to mouth at confluence with Neponset River, Canton (locally known as Canton River).	2.6	MILES	5
Ellis Pond	MA73018	Norwood.	17	ACRES	4C

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Farrington Pond	MA73040	Stoughton.	3	ACRES	4C
Flynns Pond	MA73019	Medfield.	7	ACRES	3
Forge Pond	MA73020	Canton.	19	ACRES	5
Ganawatte Farm Pond	MA73037	Walpole/Sharon/Foxborough.	29	ACRES	5
Germany Brook	MA73-15	Headwaters, east of Winter Street, Norwood to inlet of Ellis Pond, Norwood.	2	MILES	5
Glen Echo Pond	MA73022	Canton/Stoughton.	16	ACRES	4C
Gulliver Creek	MA73-30	From confluence Unquity Brook, Milton to confluence Neponset River, Milton (Note: Unquity Brook culverted, confluence not visible on quad).	0.02	SQUARE MILES	5
Hammer Shop Pond	MA73023	Sharon.	2	ACRES	3
Hawes Brook	MA73-16	Headwaters, outlet of Ellis Pond, Norwood to mouth at confluence with Neponset River, Norwood.	1.1	MILES	5
Jewells Pond	MA73026	Medfield.	4	ACRES	4C
Lymans Pond	MA73021	Westwood.	25	ACRES	3
Massapoag Brook	MA73-21	Headwaters, outlet Hammer Shop Pond, Sharon, through Manns Pond (formerly segment MA73028), Trowel Shop Pond, and Shephard Pond to mouth at inlet of Forge Pond, Canton.	4.2	MILES	5
Massapoag Lake	MA73030	Sharon.	389	ACRES	4A
Memorial Pond	MA73012	Walpole.	8	ACRES	5
Mill Brook	MA73-08	From headwaters (perennial portion) north of Hartford Street, Medfield to mouth at inlet of Jewells Pond, Medfield.	2.3	MILES	5
Mill Brook	MA73-12	Source northeast of Ledgewood Drive, Dover to inlet of Pettee Pond, Westwood.	2.9	MILES	2
Mine Brook	MA73-09	Headwaters, outlet of Jewells Pond, Medfield, to the inlet of Turner Pond, Walpole.	3	MILES	5
Mother Brook	MA73-28	Headwaters at the Charles River Diversion control structure, Dedham to mouth at confluence with Neponset River, Boston [Reported as MA72-13 until May 3, 2000].	3.7	MILES	5
Neponset Reservoir	MA73034	Foxborough.	312	ACRES	5
Neponset River	MA73-01	Outlet of Neponset Reservoir, Foxborough to confluence with East Branch, Canton. (through former pond segments Crackrock Pond MA73010 and Bird Pond MA73002).	13.2	MILES	5
Neponset River	MA73-02	Confluence with East Branch, Canton to confluence with Mother Brook, Boston.	7.7	MILES	5
Neponset River	MA73-03	Confluence with Mother Brook, Boston to Milton Lower Falls Dam (Neponset River Baker Chocolate Dam, NAT ID: MA01093), Milton/Boston.	3.7	MILES	5
Neponset River	MA73-04	Milton Lower Falls Dam (Neponset River Baker Chocolate Dam, NAT ID: MA01093), Milton/Boston to mouth at Dorchester Bay, Boston/Quincy.	0.67	SQUARE MILES	5
Pecunit Brook	MA73-25	Headwaters east of Carey Circle and west of Pecunit Street, Canton to mouth at confluence with Neponset River, Canton.	1.8	MILES	2
Pequid Brook	MA73-22	Headwaters east of York Street, Canton to mouth at inlet of Forge Pond, Canton (excluding the approximately 1.3 miles through Reservoir Pond, segment MA73048).	2.8	MILES	5
Pettee Pond	MA73036	Walpole/Westwood.	10	ACRES	4A

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Pine Tree Brook	MA73-29	Headwaters, outlet of Hillside Pond, Milton through Pope's Pond (formerly segment MA73044) to confluence Neponset River, Milton.	4.6	MILES	5
Pinewood Pond	MA73039	Stoughton.	25	ACRES	4C
Plantingfield Brook	MA73-23	Headwaters east of Thatcher Street, Westwood, to mouth at confluence with Purgatory Brook, Norwood (portion culverted).	1.9	MILES	5
Ponkapoag Pond	MA73043	Canton/Randolph.	214	ACRES	4A
Ponkapog Brook	MA73-27	Headwaters, outlet of Ponkapoag Pond, Canton to confluence with Neponset River, Canton.	3.1	MILES	4A
Purgatory Brook	MA73-24	Headwaters east of Farm Lane, Westwood to confluence with Neponset River, Norwood.	5.1	MILES	4A
Reservoir Pond	MA73048	Canton.	251	ACRES	4A
Russell Pond	MA73003	Milton.	9	ACRES	5
School Meadow Brook	MA73-06	Headwaters, outlet of Ganawatte Farm Pond, Walpole to confluence with Neponset River, Walpole.	1.9	MILES	2
Sprague Pond	MA73053	Boston/Dedham.	7	ACRES	3
Steep Hill Brook	MA73-18	Headwaters, outlet of Pinewood Pond, Stoughton, to mouth at inlet of Bolivar Pond, Canton.	0.9	MILES	5
Town Pond	MA73056	Stoughton.	8	ACRES	4C
Traphole Brook	MA73-17	Headwaters west of Everett Street, Sharon, to confluence with Neponset River, Sharon.	3.9	MILES	2
Tubwreck Brook	MA73-07	Headwaters - small unnamed pond southeast of Powissett Street, Dover to confluence with Mill Brook just southwest of Dover/Medfield border.	1.6	MILES	2
Turner Pond	MA73058	Walpole.	18	ACRES	4C
Turners Pond	MA73059	Milton.	11	ACRES	5
Unnamed Tributary	MA73-10	Headwaters, outlet Turner Pond, Walpole to confluence with Neponset River, Walpole.	0.4	MILES	3
Unnamed Tributary	MA73-14	Headwaters, outlet Willet Pond, Walpole/Norwood, to inlet Ellis Pond, Norwood.	0.4	MILES	3
Unnamed Tributary	MA73-31	Headwaters, outlet of Massapoag Lake, Sharon to mouth at inlet of Hammer Shop Pond, Sharon (not depicted on 1987 Mansfield USGS quad).	0.3	MILES	4A
Unnamed Tributary	MA73-32	From the outlet of Town Pond, Stoughton to mouth at confluence with Steep Hill Brook, Stoughton.	1	MILES	5
Unnamed Tributary	MA73-33	Locally known as "Meadow Brook" - From where the underground/culverted stream emerges east of Pleasant Street, Norwood to confluence with Neponset River, Norwood.	0.7	MILES	5
Unnamed Tributary	MA73-34	Headwaters, outlet Clark Pond, Walpole to confluence with Neponset River, Walpole (locally considered part of Spring Brook) (excluding the approximately 0.2 miles through Diamond Pond and the approximately 0.2 miles through Memorial Pond segment MA73012).	0.8	MILES	4C
Unquity Brook	MA73-26	Isolated (urban): Headwaters (perennial portion) near Randolph Avenue, Milton to mouth at confluence with Gulliver Creek, Milton (Note: Confluence not visible on quad, brook culverted underground east of Otis Street/west of Govenor Belcher Lane, Milton).	1.5	MILES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Willet Pond	MA73062	Walpole/Westwood/Norwood (includes unnamed tributary at northern end formerly reported as segment MA73-13).	205	ACRES	4A
Woods Pond	MA73055	Stoughton.	14	ACRES	4C
Boston Harbor: Weymouth & Weir					
Accord Brook	MA74-16	Headwaters, outlet Accord Pond, Hingham to water supply intake (4131000-02S Accord Brook) south of South Pleasant Street, Hingham.	3.2	MILES	5
Accord Brook	MA74-17	From water supply intake (4131000-02S Accord Brook) south of South Pleasant Street, Hingham to mouth at inlet Triphammer Pond, Hingham.	1.8	MILES	4C
Accord Pond	MA74030	Hingham/Norwell/Rockland (formerly reported as MA94002).	103	ACRES	3
Cochato River	MA74-06	Outlet Lake Holbrook, Holbrook to confluence with Farm and Monatiquot rivers, Braintree (through former pond segment Ice House Pond MA74028). (SARIS note: the upper portion of this segment is comprised of three surface waters: unnamed tributary from the outlet of Lake Holbrook, portion of Mary Lee Brook, portion of Glovers Brook).	4.1	MILES	5
CRANBERRY BROOK	MA74-22	Headwaters, outlet Cranberry Pond, Braintree to mouth at confluence with Cochato River, Braintree (Cranberry Brook Watershed ACEC).	1.9	MILES	5
Crooked Meadow River	MA74-01	Headwaters, outlet Cushing Pond, Hingham to confluence with Fulling Mill Brook (forming headwater of Weir River), Hingham.	1	MILES	5
EEL RIVER	MA74-21	Headwaters, east of Route 228, near West Moreland Street, Hingham to mouth at confluence with Plymouth River, Hingham.	1.5	MILES	3
Farm River	MA74-07	From Randolph/Braintree border (where name changes from Blue Hill River), to confluence with Cochato River (forming headwaters of Monatiquot River), Braintree.	3.1	MILES	5
Furnace Brook	MA74-10	From headwaters north of Blue Hills Reservoir, Quincy to confluence with Blacks Creek, Quincy (portions culverted underground).	4.2	MILES	5
Hingham Harbor	MA74-18	Hingham Harbor inside a line from Crows Point to Worlds End, Hingham (formerly reported as MA70-08).	1.12	SQUARE MILES	5
Hoosicwhisick Pond	MA74015	Milton.	23	ACRES	2
Lake Holbrook	MA74013	Holbrook.	31	ACRES	5
MARY LEE BROOK	MA74-23	Headwaters, north of West High Street, Avon to mouth at confluence with Cochato River, Randolph.	2.7	MILES	5
Mill River	MA74-04	Headwaters, west of Route 18 and south of Randolph Street, Weymouth to inlet Whitmans Pond, Weymouth (portions culverted underground).	3.4	MILES	5
Monatiquot River	MA74-08	Headwaters at confluence of Cochato and Farm rivers, Braintree to confluence with Weymouth Fore River at Commercial Street, Braintree.	4.4	MILES	5
Old Quincy Reservoir	MA74017	Braintree.	27	ACRES	3
Old Swamp River	MA74-03	Headwaters just west of Pleasant Street and north of Liberty Street, Rockland to inlet Whitmans Pond, Weymouth.	4.6	MILES	5
PLYMOUTH RIVER	MA74-20	Headwaters, perennial portion (including channelized, culverted section) north of Route 3 (Pilgrim Highway), Weymouth to the mouth at inlet of Cushing Pond, Hingham (entire river not depicted on Weymouth USGS quad).	3.6	MILES	5
Sunset Lake	MA74020	Braintree.	58	ACRES	4C
Sylvan Lake	MA74021	Holbrook.	6	ACRES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Town Brook	MA74-09	Headwaters, outlet Old Quincy Reservoir, Braintree to confluence with Town River Bay north of Route 3A, Quincy (SARIS note: includes "The Canal"/Town River) (portions culverted underground).	3.5	MILES	5
Town River Bay	MA74-15	From the headwaters at the Route 3A bridge, Quincy to the mouth at Weymouth Fore River between Shipyard and Germantown Points, Quincy.	0.46	SQUARE MILES	5
Trout Brook	MA74-12	Headwaters southwest of South Street, Holbrook to inlet Lake Holbrook, Holbrook.	1.2	MILES	3
Unnamed Tributary	MA74-19	Unnamed Tributary to Plymouth River, headwaters, west of Route 53 (Whiting Street), Hingham to mouth at confluence with Plymouth River, Hingham.	1.1	MILES	3
Weir River	MA74-02	Headwaters at confluence of Crooked Meadow River and Fulling Mill Brook, Hingham to Foundry Pond outlet, Hingham (through former pond segment Foundry Pond MA74011) (area associated with Weir River ACEC designated as ORW).	2.7	MILES	5
Weir River	MA74-11	From Foundry Pond outlet, Hingham to mouth at Worlds End, Hingham and Nantasket Road near Beech Avenue, Hull (including unnamed tributary from outlet Straits Pond, Hingham/Hull) (area associated with Weir River ACEC designated as ORW).	0.83	SQUARE MILES	5
Weymouth Back River	MA74-05	Headwaters, outlet Elias Pond, Weymouth to the base of the fish ladder north of Commercial Street,Weymouth (area associated with Weymouth Back River ACEC designated as ORW).	0.7	MILES	5
Weymouth Back River	MA74-13	From the base of the fish ladder north of Commercial Street, Weymouth to mouth between Lower Neck, Weymouth (to the west) and Wompatuck Road, Hingham (area associated with Weymouth Back River ACEC designated as ORW).	0.85	SQUARE MILES	5
Weymouth Fore River	MA74-14	Commercial Street, Braintree to mouth (eastern point at Lower Neck, Weymouth and western point at Wall Street on Houghs Neck, Quincy).	2.29	SQUARE MILES	5
Whitmans Pond	MA74025	Weymouth.	176	ACRES	5
Buzzards Bay					
"Inner" Sippican Harbor	MA95-70	The waters landward of a line from Allen Point, Marion around the southeastern tip of Ram Island, then westerly from the southern tip of Ram Island to the point of land south of Nyes Wharf, Marion excluding Hammett Cove (formerly reported as a portion of segment MA95-08).	0.57	SQUARE MILES	5
Abner Pond	MA95001	Plymouth.	9	ACRES	3
Acushnet River	MA95-31	Headwaters, outlet New Bedford Reservoir, Acushnet to Hamlin Street culvert, Acushnet.	2.9	MILES	5
Acushnet River	MA95-32	Hamlin Street culvert, Acushnet to culvert at Main Street, Acushnet.	1.1	MILES	5
Acushnet River	MA95-33	Outlet Main Street culvert, Acushnet to Coggeshall Street/Howland Road bridge, New Bedford/Fairhaven.	0.31	SQUARE MILES	5
Agawam River	MA95-28	Outlet Mill Pond, Wareham to Wareham WWTP outfall, Wareham.	0.61	MILES	3
Agawam River	MA95-29	Wareham WWTP outfall, Wareham to confluence with Wankinco River (forming headwaters of the Wareham River) just north of the Route 6 bridge, Wareham.	0.16	SQUARE MILES	5
ANGELINE BROOK	MA95-83	Perennial portion south of Charlotte White Road, Westport to mouth at West Branch Westport River (Angeline Cove), Westport.	4.4	MILES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Apponagansett Bay	MA95-39	From the mouth of Buttonwood Brook, Dartmouth to a line drawn from Ricketsons Point, Dartmouth to Samoset Street near North Avenue, Dartmouth.	1.06	SQUARE MILES	5
Aucoot Cove	MA95-09	From the boundary of Division of Marine Fisheries designated shellfishing growing area BB31.1, north and southwest from Haskell Island, Marion to the mouth at Buzzards Bay demarcated by a line drawn between Converse Point, Marion and Joes Point, Mattapoisett.	0.46	SQUARE MILES	2
Aucoot Cove	MA95-71	From the confluence with Aucoot Creek, Marion to the boundary of Division of Marine Fisheries designated shellfishing growing area BB31.1, north and southwest from Haskell Island, Marion (formerly part of segment MA95-09).	0.03	SQUARE MILES	5
Aucoot Creek	MA95-72	Estuarine portion east of Holly Pond Road, Marion to confluence with Aucoot Cove, Marion.	0.02	SQUARE MILES	5
Back River	MA95-47	Estuarine portion, west of County Road, Bourne to confluence with Phinneys Harbor (excluding Eel Pond), Bourne.	0.09	SQUARE MILES	4A
Barrett Pond	MA95004	Carver.	11	ACRES	2
Bates Pond	MA95007	Carver.	19	ACRES	3
Beaverdam Creek	MA95-53	Estuarine portion just south of the outlet from cranberry bog southeast of Route 6, Wareham to confluence with Wewantic River, Wareham.	0.04	SQUARE MILES	5
Big Rocky Pond	MA95119	(Rocky Pond) Plymouth.	18	ACRES	3
Big Sandy Pond	MA95011	Plymouth.	133	ACRES	3
Blackmore Reservoir	MA95015	Wareham.	43	ACRES	3
Bread and Cheese Brook	MA95-58	Headwaters north of Old Bedford Road, Westport to confluence with East Branch Westport River, Westport.	4.9	MILES	4A
Broad Marsh River	MA95-49	Headwaters in salt marsh south of Marion Road and Bourne Terrace, Wareham to confluence with the Wareham River, Wareham.	0.17	SQUARE MILES	4A
Butler Cove	MA95-77	just south of Buttermilk Bay, Wareham.	0.05	SQUARE MILES	5
Buttermilk Bay	MA95-01	Bourne/Wareham.	0.67	SQUARE MILES	5
Buttonwood Brook	MA95-13	Headwaters, Oakdale Street, New Bedford to mouth at Apponagansett Bay, Dartmouth (excluding the approximately 0.2 miles through Buttonwood Park Pond segment MA95020).	3.6	MILES	4A
Buttonwood Park Pond	MA95020	New Bedford.	12	ACRES	3
Buzzards Bay	MA95-62	Open water area encompassed within a line drawn from Wilber Point, Fairhaven to Clarks Point, New Bedford to Ricketson Point, Dartmouth to vacinity of Samoset Street, Dartmouth down to Round Hill Point, Dartmouth and back to Wilber Point, Fairhaven.	8.07	SQUARE MILES	5
Cape Cod Canal	MA95-14	Waterway between Buzzards Bay and Cape Cod Bay, Bourne/Sandwich.	1.14	SQUARE MILES	4A
Cedar Dell Lake	MA95021	Dartmouth.	23	ACRES	3
Cedar Island Creek	MA95-52	Estuarine portion southwest of the intersection of Parker Drive and Camardo Drive, Wareham to the mouth at Marks Cove, Wareham.	0.01	SQUARE MILES	4A
Cedar Lake	MA95-96344	Falmouth (formerly reported as segment MA96344).	20	ACRES	3
Charge Pond	MA95025	Plymouth.	16	ACRES	2

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Clarks Cove	MA95-38	The semi-enclosed water body landward of a line drawn between Clarks Point, New Bedford and Ricketsons Point, Dartmouth.	1.9	SQUARE MILES	5
College Pond	MA95030	Plymouth.	47	ACRES	2
Copicut Reservoir	MA95175	Dartmouth/Fall River.	596	ACRES	5
Copicut River	MA95-43	Headwaters, outlet of Copicut Reservoir, Fall River to the inlet of Cornell Pond, Dartmouth.	1.3	MILES	5
Cornell Pond	MA95031	Dartmouth.	12	ACRES	5
Crane Brook Bog Pond	MA95033	Carver.	37	ACRES	5
Crooked River	MA95-51	Estuarine portion east of Indian Neck Road, Wareham to the confluence with the Wareham River, Wareham.	0.04	SQUARE MILES	4A
Curlew Pond	MA95034	Plymouth.	43	ACRES	2
Deer Pond	MA95036	Plymouth.	9	ACRES	3
Dicks Pond	MA95038	Wareham.	42	ACRES	3
Dunham Pond	MA95044	Carver.	43	ACRES	5
DUNHAMS BROOK	MA95-73	Headwaters east of the intersection of Cornell and Main roads, Westport to the confluence with the West Branch Westport River at Hicks Cove, Westport.	1.4	MILES	2
East Branch Westport River	MA95-40	Headwaters, outlet Noquochoke Lake, Dartmouth to Old County Road bridge, Westport.	2.4	MILES	4A
East Branch Westport River	MA95-41	Old County Road bridge, Westport to the mouth at Westport Harbor/Westport River, Westport (excluding Horseneck Channel).	2.65	SQUARE MILES	5
East Head Pond	MA95177	Carver/Plymouth.	92	ACRES	3
Eel Pond	MA95-48	Salt water pond that discharges to the Back River, Bourne.	0.03	SQUARE MILES	4A
Eel Pond	MA95-61	Coastal pond at the head of Mattapoisett Harbor, Mattapoisett.	0.04	SQUARE MILES	5
Ezekiel Pond	MA95051	Plymouth.	36	ACRES	3
Fawn Pond	MA95053	Plymouth.	44	ACRES	3
Fearing Pond	MA95054	Plymouth.	23	ACRES	2
Federal Pond	MA95055	Carver/Plymouth.	122	ACRES	4C
Fiddlers Cove	MA95-79	cove south off Megansett Harbor, Falmouth.	0.01	SQUARE MILES	5
Five Mile Pond	MA95056	Plymouth.	22	ACRES	3
Flax Pond	MA95-96087	Bourne (formerly reported as segment MA96087).	20	ACRES	3
Fresh Meadow Pond	MA95174	Carver/Plymouth.	59	ACRES	4C
Gallows Pond	MA95059	Plymouth.	49	ACRES	3
GILES CREEK	MA95-89	From Demarest Lloyd Memorial State Park, Dartmouth to mouth at Slocums River, Dartmouth.	0.06	SQUARE MILES	2
Glen Charlie Pond	MA95061	Wareham.	157	ACRES	3
Great Sippewisset Creek	MA95-23	From the outlet of Beach Pond in Great Sippewisset Marsh, Falmouth to the mouth at Buzzards Bay, Falmouth (including Quahog Pond and the unnamed tributary from the outlet of Fresh Pond).	0.03	SQUARE MILES	4A
Halfway Pond	MA95178	Plymouth (On 9 October 1997, PALIS ID was changed from 94057 to 95178; therefor, this pond historically reported in South Coastal "94").	215	ACRES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Hammett Cove	MA95-56	Borders Sippican Harbor (along a line from the southwestern most point of Little Neck to the end of the seawall on the opposite point), Marion.	0.07	SQUARE MILES	5
Harbor Head	MA95-46	The semi-enclosed body of water south of the confluence with West Falmouth Harbor, south of Chappaquoit Road, Falmouth.	0.02	SQUARE MILES	4A
Herring Brook	MA95-21	Estuarine portion northeast of Dale Drive and west of Route 28A, Falmouth to the mouth at Buzzards Bay, Falmouth.	0.01	SQUARE MILES	5
Hiller Cove	MA95-10	The water landward of a line drawn between Joes Point, Mattapoisett and the second boat dock northeast of Hiller Cove Lane, Mattapoisett.	0.04	SQUARE MILES	4A
HORSENECK CHANNEL	MA95-87	From the outlet of The Let to the confluence with the East Branch Westport River (east of Route 88), Westport.	0.24	SQUARE MILES	2
Horseshoe Pond	MA95075	Wareham.	59	ACRES	3
Kings Pond	MA95078	Plymouth.	22	ACRES	3
KIRBY BROOK	MA95-82	Headwaters just south of Old County Road, Westport to the mouth at East Branch Westport River, Westport.	2	MILES	5
Leonards Pond	MA95080	Rochester.	49	ACRES	5
Little Bay	MA95-64	From the confluence with the Nasketucket River, Fairhaven south to the confluence with Nasketucket Bay at a line from the southernmost tip of Mirey Neck, Fairhaven (~latitude 41.625702, ~longitide 70.854045) to a point of land near Shore Drive (~latitude 41.621994, ~longitude 70.855415), Fairhaven.	0.33	SQUARE MILES	4A
Little Buttermilk Bay	MA95-76	off of Buttermilk Bay, Bourne.	0.16	SQUARE MILES	5
Little Long Pond	MA95088	Plymouth.	47	ACRES	3
Little Long Pond	MA95089	Wareham/Plymouth.	12	ACRES	3
Little River	MA95-66	Dartmouth.	0.18	SQUARE MILES	2
Little Rocky Pond	MA95091	Plymouth.	10	ACRES	3
Little Sandy Pond	MA95092	Plymouth.	29	ACRES	3
Little Sippewisset Marsh	MA95-24	From headwaters north of Sippewisset Road and east of Maker Lane, Falmouth to the mouth at Buzzards Bay southwest of end of Saconesset Road, Falmouth.	0.02	SQUARE MILES	4A
Little West Pond	MA95093	Plymouth.	25	ACRES	3
Long Duck Pond	MA95095	Plymouth.	22	ACRES	3
Long Pond	MA95096	Plymouth.	207	ACRES	3
Long Pond	MA95097	Rochester.	32	ACRES	4A
Mare Pond	MA95172	Plymouth.	13	ACRES	3
Marys Pond	MA95100	Rochester.	81	ACRES	2
Mattapoisett Harbor	MA95-35	From the mouth of the Mattapoisett River, Mattapoissett to a line drawn from Ned Point to a point of land between Bayview Avenue and Grandview Avenue, Mattapoisett.	1.12	SQUARE MILES	5
Mattapoisett River	MA95-36	Headwaters, outlet Snipatuit Pond, Rochester to Mattapoisett River Dam (#MA02447) at Fairhaven Road (Route 6), Mattapoisett.	10.4	MILES	5
Mattapoisett River	MA95-60	From the Mattapoisett River Dam (#MA02447) at Fairhaven Road (Route 6), Mattapoisett to the mouth at Mattapoisett Harbor, Mattapoisett.	0.04	SQUARE MILES	4A

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Megansett Harbor	MA95-19	From the outlet of Squeteague Harbor, Falmouth to Buzzards Bay at a line from the western tip of Scraggy Neck, Bourne south to the tip of Nyes Neck, Falmouth.	1.44	SQUARE MILES	5
Micajah Pond	MA95102	Plymouth.	20	ACRES	3
Mill Pond	MA95105	Wareham.	149	ACRES	4C
Nasketucket Bay	MA95-65	From the confluence with Little Bay, Fairhaven to Buzzards Bay along Causeway Road, Fairhaven (on the south) and along a line from the southern tip of Brant Island, Mattapoisett to the eastern tip of West Island, Fairhaven.	3.69	SQUARE MILES	4A
Nasketucket River	MA95-67	Estuarine portion, from the boundary of the salt water wetland south of Route 6, Fairhaven to the mouth at Little Bay, Fairhaven (includes connector to Little Bay on the east side of the river).	0.03	SQUARE MILES	2
New Bedford Inner Harbor	MA95-42	Coggeshall Street/Howland Road bridge, New Bedford/Fairhaven to hurricane barrier, Fairhaven/New Bedford.	1.25	SQUARE MILES	5
New Bedford Reservoir	MA95110	Acushnet.	211	ACRES	5
New Long Pond	MA95112	Plymouth.	21	ACRES	3
Noquochoke Lake	MA95113	(Main Basin) Dartmouth.	88	ACRES	5
Noquochoke Lake	MA95170	(South Basin) Dartmouth.	13	ACRES	5
Noquochoke Lake	MA95171	(North Basin) Dartmouth.	17	ACRES	5
Onset Bay	MA95-02	Wareham.	0.78	SQUARE MILES	5
Outer New Bedford Harbor	MA95-63	From the hurricane barrier, Fairhaven/New Bedford to a line drawn from Wilbur Point, Fairhaven to Clarks Point, New Bedford (segment changed 6/4/03, formerly reported as MA95-27).	5.78	SQUARE MILES	5
Oyster Pond	MA95927	west of Route 28A, Falmouth.	0.01	SQUARE MILES	4A
Parker Mills Pond	MA95115	Wareham.	73	ACRES	5
Paskamanset River	MA95-11	Headwaters, outlet Turners Pond, Dartmouth/New Bedford to confluence with Slocums River (Rock O'Dundee Road), Dartmouth.	10.5	MILES	5
Phinneys Harbor	MA95-15	From the confluence with the Back River, to the mouth at Buzzards Bay (demarcated by a line from the southeastern point of Mashnee Island to the northwestern point of Tobys Island), Bourne (includes the "north facing embayment of Tobys Island").	0.72	SQUARE MILES	4A
Pocasset Harbor	MA95-17	From the confluence with Red Brook Harbor near the northern portion of Bassetts Island and Patuisset, Bourne to the mouth at Buzzards Bay between the western portion of Bassetts Island and Wings Neck, Bourne.	0.33	SQUARE MILES	5
Pocasset River	MA95-16	From the outlet of Mill Pond, Bourne to the mouth at Buzzards Bay, Bourne.	0.05	SQUARE MILES	4A
Queen Sewell Pond	MA95180	Bourne (previously reported with PALIS # 96253).	18	ACRES	5
Quissett Harbor	MA95-25	The semi-enclosed body of water landward of a line drawn between The Knob and Gansett Point, Falmouth.	0.17	SQUARE MILES	5
Rands Harbor	MA95-78	harbor south off Megansett Harbor, Falmouth.	0.02	SQUARE MILES	5
RED BROOK	MA95-74	Headwaters, outlet cranberry bogs east of Bartlett Pond, Wareham to Red Brook Road, Wareham/Plymouth.	2.8	MILES	2

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Red Brook Harbor	MA95-18	From the confluence with Pocasset Harbor between the northern portion of Bassetts Island and Patuisset, Bourne to the mouth at Buzzards Bay between the southern portion of Bassetts Island and Scraggy Neck, Bourne (including Hen Cove).	0.92	SQUARE MILES	5
Rocky Meadow Brook Pond	MA95118	Carver.	11	ACRES	3
Rocky Pond	MA95179	Plymouth.	20	ACRES	3
Round Pond	MA95123	Plymouth.	20	ACRES	3
Sampson Pond	MA95125	Carver.	295	ACRES	5
Sand Pond	MA95127	Wareham.	14	ACRES	3
Sandy Pond	MA95128	Wareham.	15	ACRES	3
Shingle Island River	MA95-12	Outlet of small unnamed pond northeast of Flag Swamp Road, Dartmouth to inlet Noquochoke Lake (north basin), Dartmouth.	5	MILES	5
Sippican Harbor	MA95-69	The waters between a line demarcating the mouth of the harbor (from Converse Point to Butler Point, Marion) and a line from Allens Point, Marion around the southeastern tip of Ram Island, then westerly from the southern tip of Ram Island, to the point of land south of Nyes Wharf, Marion excluding Blanketship Cove and Planting Island Cove (formerly reported as a portion of segment MA95-08).	1.94	SQUARE MILES	2
Sippican River	MA95-06	Headwaters, outlet Leonards Pond, Rochester to County Road, Marion/Wareham.	3	MILES	5
Sippican River	MA95-07	County Road, Marion/Wareham to confluence with Weweantic River, Marion/Wareham.	0.08	SQUARE MILES	4A
Slocums River	MA95-34	Rock O'Dundee Road (confluence with Paskemanset River), Dartmouth to mouth at Buzzards Bay, Dartmouth.	0.66	SQUARE MILES	5
Snell Creek	MA95-44	Headwaters west of Main Street, Westport to Drift Road, Westport.	1.5	MILES	4A
Snell Creek	MA95-45	Drift Road, Westport to 'Marcus' Bridge', Westport.	0.4	MILES	4A
Snell Creek	MA95-59	'Marcus' Bridge', Westport to confluence with East Branch Westport River, Westport.	0.01	SQUARE MILES	4A
Snipatuit Pond	MA95137	Rochester.	711	ACRES	4A
South Meadow Brook Pond	MA95139	Carver.	25	ACRES	3
South Meadow Pond	MA95140	Carver.	22	ACRES	3
Southwest Atwood Bog Pond	MA95141	Carver.	12	ACRES	3
Spectacle Pond	MA95142	Wareham.	41	ACRES	3
Squeteague Harbor	MA95-55	Waters landward of the confluence with Megansett Harbor, Bourne/Falmouth.	0.15	SQUARE MILES	5
The Let	MA95-88	From north of East Beach Road, Westport to the confluence with Horseneck Channel, Westport.	0.22	SQUARE MILES	2
Three Cornered Pond	MA95145	Plymouth.	12	ACRES	3
Tihonet Pond	MA95146	Wareham.	87	ACRES	5
Tinkham Pond	MA95148	Mattapoisett/Acushnet.	17	ACRES	3
Turner Pond	MA95151	New Bedford/Dartmouth.	86	ACRES	4A
Union Pond	MA95152	Wareham.	17	ACRES	3
Unnamed Tributary	MA95-57	Outlet Cornell Pond, Dartmouth to confluence with Shingle Island River, Dartmouth.	1	MILES	3

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Unnamed Tributary	MA95-75	Unnamed tributary to Bread and Cheese Brook, headwaters north of Briggs Road, Westport to confluence with Bread and Cheese Brook, Westport.	1.9	MILES	2
Unnamed Tributary	MA95-80	Unnamed tributary to Aucoot Creek, headwaters west of Mill Street (Route 6), Marion to the Marion WWTF (MA0100030) discharge, Marion.	0.3	MILES	2
Unnamed Tributary	MA95-81	Unnamed tributary to Aucoot Creek from the Marion WWTF (MA0100030) discharge, Marion to the boundary of the saltwater wetland, Marion.	0.7	MILES	2
Unnamed Tributary	MA95-84	Unnamed tributary to Snell Creek, perennial portion north of Brookwood Drive, Westport to mouth at Snell Creek, Westport.	0.8	MILES	2
Vaughn Pond	MA95153	Carver.	20	ACRES	3
Wankinco River	MA95-50	From outlet of Parker Mills Pond, south of Elm Street, Wareham to the confluence with the Agawam River (at a line between a point south of Mayflower Ridge Drive and a point north of the railroad tracks near Sandwich Road (forming headwaters of the Wareham River)) just north of Route 6 bridge, Wareham.	0.05	SQUARE MILES	4A
WANKINCO RIVER	MA95-85	From the outlet of Tihonet Pond, Wareham to the inlet of Parker Mills Pond, Wareham (formerly part of segment MA95-30).	0.7	MILES	3
WANKINCO RIVER	MA95-86	Headwaters, outlet East Head Pond, Carver/Plymouth (follows border through cranberry bogs to inlet Tihonet Pond, Carver/Plymouth (formerly part of segment MA95-30).	3.6	MILES	3
Wareham River	MA95-03	From confluence of Wankinko and Agawam Rivers at Route 6 bridge, Wareham to Buzzards Bay (at an imaginary line from Cromeset Point to curved point east/southeast of Long Beach Point), Wareham. Including Marks Cove, Wareham.	1.18	SQUARE MILES	5
Wenham Pond	MA95158	Carver.	46	ACRES	2
West Branch Westport River	MA95-37	West of Quail Trail, Westport to mouth at Westport Harbor/Westport River, Westport.	1.29	SQUARE MILES	5
West Falmouth Harbor	MA95-22	From the confluence with Harbor Head at Chappaquoit Road, Falmouth to the mouth at Buzzards Bay at a line connecting the ends of the seawalls from Little Island and Chappaquoit Point, Falmouth (including Inner West Falmouth Harbor, Outer West Falmouth Harbor, Snug Harbor, and Mashapaquit Creek).	0.29	SQUARE MILES	4A
Westport River	MA95-54	From the confluences of the East Branch Westport River and the West Branch Westport River to Rhode Island Sound (at a line from the southwestern tip of Horseneck Point to the easternmost point near Westport Light), Westport (includes Westport Harbor and Hulda Cove).	0.74	SQUARE MILES	4A
Weweantic River	MA95-04	Headwaters confluence of Rocky Meadow and South Meadow brooks, Carver to the inlet of Horseshoe Pond, Wareham (through former pond segment MA95150).	11.5	MILES	5
Weweantic River	MA95-05	Outlet Horseshoe Pond, Wareham to mouth at Buzzards Bay, Marion/Wareham.	0.62	SQUARE MILES	5
White Island Pond, East Basin	MA95166	(East Basin) Plymouth/Wareham.	165	ACRES	4C
White Island Pond, West Basin	MA95173	(West Basin) Plymouth/Wareham.	123	ACRES	4C
Whites Pond	MA95168	Plymouth.	34	ACRES	3

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Wild Harbor	MA95-20	Waters landward of an imaginary line from Crow Point to Nyes Neck (excluding Wild Harbor River), Falmouth.	0.13	SQUARE MILES	5
Wild Harbor River	MA95-68	Headwaters, Falmouth to mouth at Wild Harbor, Falmouth.	0.03	SQUARE MILES	4A
Cape Cod					
Allens Harbor	MA96-95	south of Lower County Road, Harwich to Doanes Creek, Harwich.	0.02	SQUARE MILES	5
Areys Pond	MA96-70	Orleans.	0.02	SQUARE MILES	4A
Ashumet Pond	MA96004	Mashpee/Falmouth.	203	ACRES	5
Baker Pond	MA96008	Orleans/Brewster.	26	ACRES	4A
Barnstable Harbor	MA96-01	From the mouths of Scorton and Spring creeks, Barnstable east to an imaginary line drawn from Beach Point to the western edge of the Mill Creek estuary, Barnstable.	3.2	SQUARE MILES	5
Bass River	MA96-12	Headwaters outlet Kelleys Bay, Route 6, Dennis/Yarmouth to mouth at inlet Nantucket Sound, Yarmouth (excluding Grand Cove, Dennis).	0.69	SQUARE MILES	5
Bassing Harbor	MA96-48	Excluding Crows Pond and Ryder Cove, Chatham.	0.13	SQUARE MILES	2
Bearse Pond	MA96012	Barnstable.	64	ACRES	4A
Boat Meadow River	MA96-15	Headwaters east of old railway grade, Eastham to mouth at inlet Cape Cod Bay, Eastham.	0.05	SQUARE MILES	5
Bournes Pond	MA96-57	west of Central Avenue, Falmouth outlet to Vineyard Sound, including Israels Cove, Falmouth.	0.24	SQUARE MILES	4A
Bucks Creek	MA96-44	Outlet Harding Beach Pond (locally known as Sulfur Springs), Chatham to mouth at inlet Cockle Cove, Nantucket Sound, Chatham.	0.02	SQUARE MILES	4A
Bumps River	MA96-02	From pond outlet, Bumps River Road, Barnstable through Scudder Bay to mouth at Main Street/South Main Street bridge (confluence with Centerville River), Barnstable.	0.07	SQUARE MILES	4A
Cedar Pond	MA96-88	Orleans (in Inner Cape Cod Bay ACEC).	0.03	SQUARE MILES	5
Centerville Harbor	MA96-03	From an imaginary line that extends from Dowses Beach, Barnstable to Hyannis Point, Barnstable including all waters north to the shore, Barnstable.	1.46	SQUARE MILES	2
Centerville River	MA96-04	From approximately 300 feet west of Elliot Road, Barnstable to inlet Centerville Harbor, including East Bay, Barnstable.	0.24	SQUARE MILES	4A
CHASE GARDEN CREEK	MA96-103	Headwaters south of Roads End and west of Jericho Road, Dennis to New Boston Road, Dennis.	1.2	MILES	5
Chase Garden Creek	MA96-35	New Boston Road, Dennis to mouth at inlet Cape Cod Bay, Dennis/Yarmouth.	0.13	SQUARE MILES	4A

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Chatham Harbor	MA96-10	Harbor, bounded on east by Cape Cod National Seashore (CCNS), with northern extent as an imaginary line drawn northeast from northern tip of Strong Island to a point on inner CCNS and western extent as an imaginary line drawn from southern tip of Strong Island south to Allen Point including waters south to an imaginary line along northern edge of South Beach Bar extending from Chatham Lighthouse to inlet created by 1987 storm, Chatham (area within CCNS designated as ORW).	2.85	SQUARE MILES	2
CHILDS RIVER	MA96-98	Headwaters outlet Johns Pond, Mashpee to confluence with tidal portion south of Barrows Road, Falmouth (area within Waquoit Bay ACEC desiagnated as ORW).	2.4	MILES	2
Clapps Pond	MA96035	Provincetown (area associated with Cape Cod National Seashore designated as ORW).	40	ACRES	3
Cliff Pond	MA96039	Brewster.	190	ACRES	5
Cockle Cove Creek	MA96-79	Northeast of the bend in Cockle Drive, Chatham to mouth at confluence with Bucks Creek, Chatham (2005 orthophotos used to delineate segment).	0.01	SQUARE MILES	4A
Coonamessett River	MA96-69	Headwaters, outlet Coonamessett Pond, Falmouth to mouth at inlet Great Pond, Falmouth.	3.4	MILES	2
Cotuit Bay	MA96-63	From North Bay at Point Isabella, Barnstable oceanward to a line extended along Oyster Harbors Beach, Barnstable.	0.85	SQUARE MILES	4A
Crows Pond	MA96-47	To Bassing Harbor, Chatham.	0.19	SQUARE MILES	2
Crystal Lake	MA96050	Orleans.	33	ACRES	5
Depot Pond	MA96061	Eastham.	26	ACRES	3
Dock Creek	MA96-86	From railroad crossing northeast of Route 6A, Sandwich to confluence with Old Harbor Creek, Sandwich.	0.02	SQUARE MILES	4A
Duck Creek	MA96-32	Source west of Route 6, Wellfleet to mouth at inlet Wellfleet Harbor (at a line from Shirttail Point to Taylor Road), Wellfleet.	0.15	SQUARE MILES	4A
Duck Pond	MA96068	Wellfleet.	11	ACRES	4A
Dyer Pond	MA96070	Wellfleet.	10	ACRES	4A
East Harbor (Pilgrim Lake)	MA96-83	Truro/Provincetown.	0.5	SQUARE MILES	4A
Elbow Pond	MA96077	Brewster.	32	ACRES	3
Falmouth Inner Harbor	MA96-17	Waters included north of Falmouth Inner Harbor Light, Falmouth.	0.05	SQUARE MILES	2
Flax Pond	MA96090	Dennis.	15	ACRES	3
Frost Fish Creek	MA96-49	Headwaters outlet cranberry bog northwest of Stony Hill Road, Chatham to mouth at inlet Ryder Cove, Chatham.	0.01	SQUARE MILES	4A
Goose Pond	MA96106	Chatham.	35	ACRES	3
Great Harbor	MA96-18	The waters north of an imaginary line drawn east from Penzance Point, Falmouth to Devils Foot Island, Falmouth and southeast from Devils Foot Island to Juniper Point (excludes Eel Pond), Falmouth.	0.31	SQUARE MILES	4A
Great Pond	MA96114	Truro.	17	ACRES	4A
Great Pond	MA96115	Eastham.	109	ACRES	5
Great Pond	MA96117	Wellfleet.	41	ACRES	4A

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Great Pond	MA96-54	From inlet of Coonamessett River, Falmouth to Vineyard Sound (excluding Perch Pond), Falmouth.	0.4	SQUARE MILES	4A
Great River	MA96-60	From inlet of Abigails Brook, Mashpee to mouth at inlet Waquoit Bay (excluding Jehu Pond), Mashpee.	0.16	SQUARE MILES	4A
Green Pond	MA96-55	east of Acapesket Road, Falmouth outlet to Vineyard Sound, Falmouth.	0.21	SQUARE MILES	4A
Gull Pond	MA96123	Wellfleet.	104	ACRES	3
Halls Creek	MA96-93	Estuarine portion, from Marchant Mill Way, Barnstable to mouth at inlet Centerville Harbor, Barnstable.	0.07	SQUARE MILES	4A
Hamblin Pond	MA96126	Barnstable.	114	ACRES	5
Hamblin Pond	MA96-58	From inlet of Red Brook, Falmouth/Mashpee to outlet of Little River, Mashpee and inlet/outlet of Waquoit Bay west of Meadow Neck Road, Falmouth/Mashpee.	0.19	SQUARE MILES	4A
Harding Beach Pond	MA96-43	locally known as Sulfur Springs (northeast of Bucks Creek), Chatham.	0.07	SQUARE MILES	4A
HAWES RUN	MA96-101	Headwaters outlet small unnamed pond west of Higgins Crowell Road, Yarmouth to mouth at inlet Mill Pond, Yarmouth.	1.7	MILES	4C
Herring Pond	MA96133	Eastham.	42	ACRES	3
Herring Pond	MA96134	Wellfleet.	18	ACRES	3
HERRING RIVER	MA96-106	Headwaters, outlet Hinckleys Pond, Harwich to mouth at inlet Herring River Reservoir, Harwich.	2.5	MILES	2
Herring River	MA96-22	From outlet Herring River Reservoir (at North Harwich Reservoir Dam NATID: MA02423) west of Bells Neck Road, Harwich to mouth at inlet Nantucket Sound, Harwich.	0.07	SQUARE MILES	4A
Herring River	MA96-33	South of High Toss Road, Wellfleet to mouth at inlet Wellfleet Harbor (at an imaginary line drawn due north from the eastern tip of Great Island to the opposite shore), Wellfleet.	0.4	SQUARE MILES	5
Herring River	MA96-67	Headwaters outlet Herring Pond, Wellfleet to south of High Toss Road, Wellfleet.	3.6	MILES	5
Hinckleys Pond	MA96140	Harwich.	164	ACRES	2
Horseleach Pond	MA96144	Truro.	23	ACRES	4A
Hoxie Pond	MA96146	Sandwich.	8	ACRES	3
Hyannis Harbor	MA96-05	The waters from the shoreline to an imaginary line drawn from the light at the end of Hyannis breakwater, Barnstable to the point west of Dunbar Point, Barnstable.	0.68	SQUARE MILES	2
Hyannis Inner Harbor	MA96-82	Waters landward of an imaginary line drawn from Harbor Bluff, Barnstable to Hyannis Park, Yarmouth.	0.13	SQUARE MILES	4A
Jehu Pond	MA96-59	Mashpee.	0.09	SQUARE MILES	4A
Johns Pond	MA96157	Mashpee.	316	ACRES	4A
Kinnacum Pond	MA96163	Wellfleet.	2	ACRES	3
Lake Elizabeth	MA96080	Barnstable.	6	ACRES	3
Lawrence Pond	MA96165	Sandwich.	138	ACRES	4A

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Lewis Bay	MA96-36	Includes portion of Pine Island Creek and Uncle Roberts Cove, Yarmouth to confluence with Nantucket Sound, Barnstable/Yarmouth (excluding Hyannis Inner Harbor, Barnstable/Yarmouth and Mill Creek, Yarmouth).	1.79	SQUARE MILES	4A
Little Harbor	MA96-19	The waters north of an imaginary line drawn from Juniper Point, Falmouth east to Nobska Beach, Falmouth.	0.07	SQUARE MILES	4A
Little Namskaket Creek	MA96-26	Source west of Route 6, Orleans to mouth at inlet Cape Cod Bay, Orleans.	0.01	SQUARE MILES	4A
Little Pleasant Bay	MA96-78	Waters north and east of imaginary lines drawn from the northeasterly edge of Orleans (near The Horseshoe), southeasterly around the northeastern tip of Sipson Island, and Sipson Meadow, Orleans then south to the northern tip of Strong Island, Chatham then east to a point on the inner Cape Cod National Seashore (CCNS)(including SARIS named Hog Island and Broad creeks) (excluding the delineated segments; The River, Pochet Neck, and Paw Wah Pond) (areas within CCNS designated as ORW).	3.27	SQUARE MILES	4A
Little Pond	MA96-56	west of Vista Boulevard, Falmouth outlet to Vineyard Sound, Falmouth.	0.07	SQUARE MILES	4A
Little River	MA96-61	Headwaters outlet Hamblin Pond, Mashpee to mouth at confluence with Great River, Mashpee.	0.03	SQUARE MILES	4A
LITTLE RIVER	MA96-99	Headwaters outlet Lovells Pond, Barnstable to confluence with tidal portion south of Old Post Road, Barnstable.	1.8	MILES	5
Long Pond	MA96179	Wellfleet.	35	ACRES	4A
Long Pond	MA96180	Yarmouth.	54	ACRES	3
Long Pond	MA96183	Brewster/Harwich.	715	ACRES	5
Long Pond	MA96184	Barnstable.	48	ACRES	4C
Lovells Pond	MA96185	Barnstable.	54	ACRES	5
Lovers Lake	MA96186	Chatham.	37	ACRES	5
Lower Mill Pond	MA96188	Brewster.	44	ACRES	5
Maraspin Creek	MA96-06	From Commerce Road, Barnstable to mouth at inlet Barnstable Harbor at Blish Point, Barnstable.	0.03	SQUARE MILES	4A
Mashpee Pond	MA96194	Mashpee/Sandwich.	377	ACRES	4A
Mashpee River	MA96-24	Quinaquisset Avenue, Mashpee to mouth at inlet Shoestring Bay (formerly to mouth at Popponesset Bay), Mashpee.	0.08	SQUARE MILES	4A
Mashpee River	MA96-89	Headwaters, outlet Mashpee Pond, Mashpee to Quinaquisset Avenue, Mashpee.	2.7	MILES	2
Middle Pond	MA96198	Barnstable.	104	ACRES	5
Mill Creek	MA96-37	Headwaters outlet Hallets Millpond, Barnstable/Yarmouth to mouth at inlet Cape Cod Bay, Barnstable/Yarmouth.	0.03	SQUARE MILES	4A
Mill Creek	MA96-41	Headwaters outlet Taylors Pond, Chatham to mouth at inlet Cockle Cove, Chatham.	0.03	SQUARE MILES	4A
Mill Creek	MA96-80	Headwaters, outlet Mill Pond, Yarmouth to mouth at inlet Lewis Bay, Yarmouth.	0.07	SQUARE MILES	4A
Mill Creek	MA96-85	Headwaters, outlet Shawme Lake Lower, Sandwich to mouth at confluence with Old Harbor Creek, Sandwich.	0.02	SQUARE MILES	4A

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Mill Pond	MA96-52	including Little Mill Pond (PALIS # 96174), Chatham.	0.06	SQUARE MILES	4A
Miss Thachers Pond	MA96258	Yarmouth.	6	ACRES	3
Moll Pond	MA96355	Eastham.	3	ACRES	5
Muddy Creek	MA96-51	Source south of Countryside Drive and north-northeast of Old Queen Anne Road, Chatham to mouth at inlet Pleasant Bay, Harwich/Chatham, including Upper and Lower reaches.	0.05	SQUARE MILES	4A
Mystic Lake	MA96218	Barnstable.	146	ACRES	5
Namequoit River	MA96-71	Headwaters, outlet Areys Pond, Orleans to mouth at confluence with The River, Orleans.	0.06	SQUARE MILES	4A
Namskaket Creek	MA96-27	Source west of Route 6, Orleans/Brewster to mouth at inlet Cape Cod Bay, Brewster/Orleans.	0.03	SQUARE MILES	4A
Nauset Harbor	MA96-28	The waters south of an imaginary line drawn east from Woods Cove, Orleans around the southern point of Stony Island, around the southern end of the unnamed island in the harbor, to Cape Cod National Seashore (CCNS), excluding Mill Pond, Orleans (area within CCNS designated as ORW).	0.41	SQUARE MILES	2
North Bay	MA96-66	From Prince Cove outlet at Fox Island to just south of Bridge Street (including Dam Pond) and separated from Cotuit Bay at a line from Point Isabella, Barnstable southward to the opposite shore, Barnstable.	0.47	SQUARE MILES	4A
North Pond	MA96225	Barnstable.	4	ACRES	3
Nye Pond	MA96228	Sandwich.	6	ACRES	3
Old Harbor Creek	MA96-84	From Foster Road, Sandwich to mouth at inlet Sandwich Harbor, Sandwich.	0.06	SQUARE MILES	4A
Oyster Pond	MA96-45	Including Stetson Cove, Chatham.	0.21	SQUARE MILES	4A
Oyster Pond	MA96-62	east of Fells Road, Falmouth.	0.1	SQUARE MILES	4A
Oyster Pond River	MA96-46	Headwaters outlet Oyster Pond, Chatham to mouth at inlet Stage Harbor, Chatham.	0.14	SQUARE MILES	4A
Pamet River	MA96-31	From tidegate at Route 6A, Truro to mouth at inlet Cape Cod Bay (including Pamet Harbor), Truro.	0.14	SQUARE MILES	4A
Parkers River	MA96-38	Headwaters outlet Seine Pond, Yarmouth to mouth at inlet Nantucket Sound, Yarmouth (excluding Lewis Pond, Yarmouth).	0.04	SQUARE MILES	4A
Paw Wah Pond	MA96-72	Orleans.	0.01	SQUARE MILES	4A
Perch Pond	MA96-53	Connects to northwest end of Great Pond, west of Keechipam Way, Falmouth.	0.03	SQUARE MILES	4A
Peters Pond	MA96244	Sandwich/Mashpee.	123	ACRES	4A
Pilgrim Lake	MA96246	Orleans.	38	ACRES	3

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Pleasant Bay	MA96-77	The waters between the mouth of Muddy Creek, Harwich and imaginary lines drawn from the northeastern edge of Orleans (near The Horseshoe and The Narrows), southeasterly around the northeastern tip of Sipson Island, and Sipson Meadow, Orleans then south to the northern tip of Strong Island, Chatham and from the southeastern tip of Strong Island to Allen Point, Chatham (excluding the delineated segments; Bassing Harbor, Round Cove and Quanset Pond).	2.88	SQUARE MILES	4A
Pochet Neck	MA96-73	outlet to Little Pleasant Bay, Orleans (areas within Cape Cod National Seashore designated as ORW).	0.24	SQUARE MILES	4A
Popponesset Bay	MA96-40	The waters seaward of an imaginary line connecting Ryefield Point, Barnstable and Punkhorn Point, Mashpee to inlet of Nantucket Sound (including Ockway Bay, Mashpee and Pinquickset Cove, Barnstable) (excludes Popponesset Creek, Mashpee).	0.68	SQUARE MILES	4A
Popponesset Creek	MA96-39	All waters west of Popponesset Island (from Popponesset Island Road bridge at the north to a line extended from the southeastern most point of the island southerly to Popponesset Beach), Mashpee.	0.05	SQUARE MILES	5
Prince Cove	MA96-07	Includes areas east of Prince Cove (which are locally known as "Warren Cove" and "Prince Cove Channel") to confluence with North Bay, Barnstable.	0.14	SQUARE MILES	4A
Provincetown Harbor	MA96-29	The waters northwest of an imaginary line drawn northeasterly from the tip of Long Point, Provincetown to Pilgrim Beach (in vacinity of Sandbars Inn), Truro (area within Cape Cod National Seashore designated as ORW).	4.33	SQUARE MILES	4A
Quanset Pond	MA96-74	Orleans.	0.02	SQUARE MILES	4A
Quashnet River	MA96-20	From just south of Route 28, Falmouth to mouth at inlet Waquoit Bay, Falmouth. Also known as Moonakis River.	0.07	SQUARE MILES	4A
Quashnet River	MA96-90	Headwaters, outlet Johns Pond, Mashpee to just south of Route 28, Falmouth (area within Waquoit Bay ACEC designated as ORW).	4.1	MILES	2
Quivett Creek	MA96-09	Outlet of unnamed pond just south of Route 6A, Brewster/Dennis to mouth at inlet Cape Cod Bay, Brewster/Dennis.	0.04	SQUARE MILES	4A
Red Brook	MA96-25	From dam (NATID: MA01037) at Red Brook Road, Falmouth/Mashpee to mouth at inlet Hamblin Pond, Falmouth/Mashpee.	0.01	SQUARE MILES	2
Red Lily Pond	MA96257	Barnstable.	4	ACRES	5
RED RIVER	MA96-107	Headwaters west of Mayflower Drive, Chatham to south Chatham Road, Chatham.	0.9	MILES	5
Rock Harbor Creek	MA96-16	Headwaters outlet Cedar Pond, Orleans to mouth at inlet Cape Cod Bay, Eastham/Orleans.	0.03	SQUARE MILES	4A
Round Cove	MA96-75	east of Route 28, Harwich outlet to Pleasant Bay, Harwich.	0.02	SQUARE MILES	5
Round Pond (East)	MA96260	Truro.	6	ACRES	4A
Round Pond (West)	MA96261	Truro.	2	ACRES	4A
Rushy Marsh Pond	MA96266	Barnstable.	14	ACRES	3
Ryder Cove	MA96-50	Chatham.	0.19	SQUARE MILES	4A
Ryder Pond	MA96268	Truro.	18	ACRES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Santuit Pond	MA96277	Mashpee.	164	ACRES	5
Santuit River	MA96-91	Headwaters, outlet Santuit Pond, Mashpee to confluence with tidal portion south of Old Mill Road/Old Kings Road, Mashpee/Barnstable.	1.6	MILES	2
Santuit River	MA96-92	From confluence with fresh water portion south of Old Mill Road, Mashpee to mouth at inlet Shoestring Bay, Mashpee/Barnstable.	0.01	SQUARE MILES	4A
Saquatucket Harbor	MA96-23	South of Route 28, Harwich outlet to Nantucket Sound, Harwich.	0.02	SQUARE MILES	4A
Scargo Lake	MA96279	Dennis.	54	ACRES	3
Schoolhouse Pond	MA96281	Chatham.	20	ACRES	3
Scorton Creek	MA96-30	Jones Lane, Sandwich to mouth at inlet Cape Cod Bay, Sandwich.	0.03	SQUARE MILES	4A
Seapuit River	MA96-64	south of Osterville Grand Island, Barnstable to Cotuit Bay and West Bay, Barnstable.	0.06	SQUARE MILES	4A
Sesuit Creek	MA96-13	Approximately 650 feet downstream from Route 6A, Dennis to mouth at inlet Sesuit Harbor, Cape Cod Bay, Dennis.	0.01	SQUARE MILES	4A
Shallow Pond	MA96285	Barnstable.	76	ACRES	3
Shawme Lake Lower	MA96288	Sandwich.	25	ACRES	5
Sheep Pond	MA96289	Brewster.	139	ACRES	4A
Shoestring Bay	MA96-08	Quinaquisset Avenue, Mashpee/Barnstable to Popponesset Bay (line from Ryefield Point, Barnstable to Punkhorn Point, Mashpee, including Gooseberry Island), Barnstable/Mashpee.	0.31	SQUARE MILES	4A
Shubael Pond	MA96293	Barnstable.	55	ACRES	3
Slough Pond	MA96298	Truro.	29	ACRES	4A
Smith Pond	MA96301	Brewster.	11	ACRES	3
Snake Pond	MA96302	Sandwich.	81	ACRES	4A
Snow Pond	MA96303	Truro.	7	ACRES	4A
Snows Creek	MA96-81	East of Old Colony Road, Barnstable to mouth at inlet Lewis Bay, Barnstable.	0.02	SQUARE MILES	4A
Spectacle Pond	MA96306	Wellfleet.	2	ACRES	4A
Spectacle Pond	MA96307	Sandwich.	93	ACRES	4A
Springhill Creek	MA96-87	From railroad crossing northeast of Route 6A, Sandwich to mouth at confluence with Old Harbor Creek, Sandwich.	0.01	SQUARE MILES	4A
Stage Harbor	MA96-11	From outlet Mill Pond, Chatham (includes Mitchell River SARIS# 9661975) to inlet of Nantucket Sound at a line from the southernmost point of Harding Beach southeast to Harding Beach Point, Chatham.	0.56	SQUARE MILES	4A
Stewarts Creek	MA96-94	Estuarine portion west of Stetson Street, Barnstable to mouth at inlet Hyannis Harbor, Barnstable.	0.01	SQUARE MILES	4A
Stillwater Pond	MA96309	Chatham.	18	ACRES	5
Swan Pond River	MA96-14	Headwaters, outlet Swan Pond, Dennis to mouth at inlet Nantucket Sound, Dennis.	0.04	SQUARE MILES	5
Taylors Pond	MA96-42	Chatham.	0.02	SQUARE MILES	4A
The River	MA96-76	The water landward of an imaginary line drawn between Old Field Point and Namequoit Point including Meetinghouse Pond, and Kescayo Gansett Pond (locally known as "Lonnies Pond"), Orleans (excluding the delineated segments; Namequoit River and Areys Pond).	0.41	SQUARE MILES	4A

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Town Cove	MA96-68	Entire cove, Orleans/Eastham (including Rachael Cove and Woods Cove, Orleans) outlet to Nauset Harbor, Orleans (area within Cape Cod National Seashore designated as ORW).	0.79	SQUARE MILES	5
Uncle Harvey Pond	MA96319	Orleans.	6	ACRES	5
Unnamed Tributary	MA96-100	Unnamed tributary to Halls Creek, Barnstable from headwaters south of the intersection of Old Craigville and Old Town roads, Barnstable to confluene with tidal portion just south of Craigville Beach Road, Barnstable.	0.5	MILES	5
Unnamed Tributary	MA96-104	Unnamed tributary to Freemans Pond, Brewster from outlet of channelized wetland south of Lower Road, Brewster to mouth at inlet Freemans Pond, Brewster.	0.6	MILES	5
Unnamed Tributary	MA96-105	Unnamed tributary to Herring River, headwaters outlet Walkers Pond, Harwich to outlet channelized wetland south of Great Western Road, Harwich.	3.3	MILES	2
Unnamed Tributary	MA96-108	Unnamed tributary to Herring River, headwaters outlet Perch Pond, Wellfleet to mouth at confluence with Herring River, Wellfleet (area within Cape Cod National Seashore designated as ORW).	2	MILES	5
Unnamed Tributary	MA96-97	Unnamed tributary to Hyannis Inner Harbor (referred to in TMDL as Inner Harbor Creek), from salt water portion north of Park Avenue, Yarmouth to mouth at inlet Hyannis Inner Harbor, Yarmouth.	0.001	SQUARE MILES	5
Upper Mill Pond	MA96324	Brewster.	249	ACRES	2
Upper Shawme Lake	MA96326	Sandwich.	21	ACRES	5
Village Pond	MA96329	Truro.	2	ACRES	3
Wakeby Pond	MA96346	Mashpee/Sandwich.	353	ACRES	4A
Walkers Pond	MA96331	Brewster.	100	ACRES	5
Waquoit Bay	MA96-21	From mouths of Seapit River, Quashnet River (also known as Moonakis River), Falmouth and Great River, Mashpee to inlet of Vineyard Sound, Falmouth/Mashpee.	1.43	SQUARE MILES	5
Wellfleet Harbor	MA96-34	The waters north of an imaginary line drawn east from the southern tip of Jeremy Point, Wellfleet to Sunken Meadow, Eastham excluding the estuaries of Herring River, Duck Creek, Blackfish Creek, and Fresh Brook, Wellfleet (area within Cape Cod National Seashore designated as ORW).	8.4	SQUARE MILES	2
Wequaquet Lake	MA96333	Barnstable.	576	ACRES	4A
West Bay	MA96-65	From south of the Bridge Street bridge, Barnstable outlet to Nantucket Sound including Eel River, Barnstable (excludes Seapuit River).	0.52	SQUARE MILES	4A
WHITES BROOK	MA96-102	Headwaters in channelized wetland south of Route 6A, Yarmouth to confluence with tidal portion north of Route 6A, Yarmouth.	0.3	MILES	5
Wychmere Harbor	MA96-96	south of Route 28, Harwich outlet to Nantucket Sound, Harwich.	0.02	SQUARE MILES	5
Charles					
Alder Brook	MA72-22	Headwaters, perennial portion northwest of the Route 135 and South Street intersection, Needham to mouth at confluence with the Charles River, Needham.	0.3	MILES	5
Beaver Brook	MA72-12	Headwaters, outlet Beaver Pond, Bellingham to mouth at confluence with the Charles River, Bellingham.	1.4	MILES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Beaver Brook	MA72-28	Headwaters, perennial portion north of Route 2, Lexington to mouth at confluence with the Charles River, Waltham (one culverted portion approximately 2900 feet (0.55mile)).	5.5	MILES	5
Beaver Pond	MA72004	Bellingham/Milford.	87	ACRES	4A
Beaver Pond	MA72006	Franklin.	32	ACRES	4C
Bogastow Brook	MA72-16	Headwaters, outlet Factory Pond, Holliston to mouth at inlet South End Pond, Millis.	9.4	MILES	2
Brookline Reservoir	MA72010	Brookline.	21	ACRES	3
Bulloughs Pond	MA72011	Newton.	7	ACRES	5
Cambridge Reservoir	MA72014	Waltham/Lincoln/Lexington.	531	ACRES	3
Cambridge Reservoir, Upper Basin	MA72156	Lincoln/Lexington.	44	ACRES	5
Cedar Swamp Pond	MA72016	locally known as "Milford Pond", Milford.	99	ACRES	4A
Chandler Pond	MA72017	Boston.	11	ACRES	5
Charles River	MA72-01	Headwaters, outlet Echo Lake, Hopkinton to Dilla Street (just upstream of Cedar Swamp Pond), Milford.	2.5	MILES	4A
Charles River	MA72-03	From Milford WWTF discharge (NPDES: MA0100579), Hopedale to outlet Box Pond (formerly segment MA72008), Bellingham.	3.4	MILES	5
Charles River	MA72-04	From outlet Box Pond, Bellingham to inlet Populatic Pond, Norfolk/Medway (one culverted portion approximately 350 feet (0.07mile)).	11.5	MILES	5
Charles River	MA72-05	From outlet Populatic Pond, Norfolk/Medway to South Natick Dam (NATID: MA00341), Natick.	18.1	MILES	5
Charles River	MA72-06	From South Natick Dam (NATID: MA00341), Natick to Chestnut Street, Needham/Dover.	8.2	MILES	5
Charles River	MA72-07	From Chestnut Street, Needham/Dover to Watertown Dam (NATID: MA00456), Watertown.	24	MILES	5
Charles River	MA72-33	From outlet Cedar Swamp Pond, Milford to the Milford WWTF discharge (NPDES: MA0100579), Hopedale (formerly part of segment MA72-02) (two culverted portions totaling approximately 1100 feet (0.21mile)).	2	MILES	4A
Charles River	MA72-36	From Watertown Dam (NATID: MA00456), Watertown to the Boston University Bridge, Boston/Cambridge (formerly part of segment MA72-08).	6.1	MILES	5
Charles River	MA72-38	From Boston University Bridge, Boston/Cambridge to mouth at the New Charles River Dam (NATID: MA01092), Boston (formerly part of segment MA72-08).	3.1	MILES	5
Cheese Cake Brook	MA72-29	Emerges south of Route 16, Newton to mouth at confluence with the Charles River, Newton.	1.4	MILES	4A
Chestnut Hill Reservoir	MA72023	Boston.	82	ACRES	3
Chicken Brook	MA72-34	Source, outlet Waseeka Sanctuary Pond, Holliston to mouth at confluence with the Charles River, Medway.	7.4	MILES	5
Crystal Lake	MA72030	Newton.	27	ACRES	5
DOPPING BROOK	MA72-40	Headwater oulet small unnamed pond on Holliston/Sherborn border to mouth at confluence with Bogastow Brook, Holliston/Sherborn.	2.6	MILES	2
Dug Pond	MA72034	Natick.	50	ACRES	4C
Echo Lake	MA72035	Milford/Hopkinton.	72	ACRES	4A

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Factory Pond	MA72037	Holliston.	10	ACRES	4A
Farm Pond	MA72039	Sherborn.	125	ACRES	3
Franklin Reservoir Northeast	MA72095	Franklin.	21	ACRES	4A
Franklin Reservoir Southwest	MA72032	Franklin.	13	ACRES	4A
Fuller Brook	MA72-18	Headwater south of Route 135, Needham to mouth at confluence with Waban Brook, Wellesley (one culverted portion approximately 360 feet (0.07mile)).	4.3	MILES	5
Halls Pond	MA72043	Brookline.	0.6	ACRES	3
Hammond Pond	MA72044	Newton.	22	ACRES	2
Hardys Pond	MA72045	Waltham.	43	ACRES	4A
Hopping Brook	MA72-35	Source in Cedar Swamp, Holliston to mouth at confluence with the Charles River, Bellingham/Medway.	4.9	MILES	5
Houghton Pond	MA72050	Holliston.	17	ACRES	4A
Jamaica Pond	MA72052	Boston.	67	ACRES	5
Jennings Pond	MA72053	Natick.	7	ACRES	3
Kendrick Street Pond	MA72055	Needham.	39	ACRES	5
Kingsbury Pond	MA72056	Norfolk.	15	ACRES	4C
Lake Archer	MA72002	Wrentham.	77	ACRES	4C
Lake Pearl	MA72092	Wrentham.	237	ACRES	4A
Lake Waban	MA72125	Wellesley.	109	ACRES	4C
Lake Winthrop	MA72140	Holliston.	131	ACRES	5
Linden Pond	MA72063	Holliston.	1	ACRES	4A
Little Farm Pond	MA72064	Sherborn.	24	ACRES	3
Louisa Lake	MA72068	Milford.	8	ACRES	3
Lymans Pond	MA72070	Dover.	4	ACRES	4A
MILL BROOK	MA72-39	Source wetlands, Pine Street, Medfield to mouth at confluence with the Charles River, Medfield.	3.7	MILES	2
Mill River	MA72-15	Headwaters, outlet Bush Pond, Norfolk to mouth at confluence with the Charles River, Norfolk.	3.5	MILES	5
Mine Brook	MA72-14	Headwaters in Franklin State Forest, Franklin to mouth at confluence with the Charles River, Franklin (through Mine Brook Pond, formerly MA72077) (HQW applies upstream of former Franklin WWTP discharge, approximately 4 miles upstream of mouth (note: Franklin WWTP tied into Medway (CRWPCD) on 15 January 1980)).	8.9	MILES	5
Mirror Lake	MA72078	Wrentham/Norfolk.	62	ACRES	4A
Morses Pond	MA72079	Wellesley/Natick.	112	ACRES	4C
Muddy River	MA72-11	Headwaters, outlet Ward Pond in Olmstead Park, Boston through Leverett Pond, Boston/Brookline to confluence with Charles River, Boston (four culverted portions totaling approximately 2200 feet (0.42mile)).	3.6	MILES	5
Noannet Pond	MA72084	Westwood/Dover.	50	ACRES	4C
Nonesuch Pond	MA72085	Natick/Weston.	39	ACRES	4C
Norumbega Reservoir	MA72086	[North Basin] Weston.	14	ACRES	3
Norumbega Reservoir	MA72087	[South Basin] Weston.	38	ACRES	3
Populatic Pond	MA72096	Norfolk.	42	ACRES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Powissett Brook	MA72-20	Headwaters, outlet Noannet Pond, Westwood to mouth at confluence with the Charles River, Dover.	1.9	MILES	5
Rock Meadow Brook	MA72-21	Headwaters, Fisher Meadow, Westwood to mouth at confluence with the Charles River, Dedham.	3.8	MILES	5
Rosemary Brook	MA72-25	Headwaters, outlet Rosemary Lake, Needham to mouth at confluence with the Charles River, Wellesley.	3.3	MILES	4A
Sandy Pond	MA72105	Lincoln.	157	ACRES	3
Sawmill Brook	MA72-23	Headwaters, Newton to mouth at confluence with the Charles River, Boston.	2.4	MILES	5
Scarboro Golf Course Pond	MA72107	Boston.	6	ACRES	4C
SEAVERNS BROOK	MA72-44	Headwaters outlet Norumbega Reservoir, Weston to mouth at confluence with the Charles River, Weston.	1.6	MILES	5
South End Pond	MA72109	Millis.	30	ACRES	3
South Meadow Brook	MA72-24	From emergence west of Parker Street, Newton to mouth at confluence with the Charles River, Newton (three culverted portions totaling approximately 2870 feet (0.54mile)).	1.7	MILES	4A
Stony Brook	MA72-26	Headwaters, outlet Beaver Pond, Lincoln to mouth at inlet Stony Brook Reservoir, Waltham/Weston.	5.1	MILES	2
Stony Brook	MA72-37	Headwaters, outlet Turtle Pond, Boston to culvert entrance, Boston (two culverted portions totaling approximately 740 feet (0.14mile)).	1.6	MILES	3
Stony Brook Reservoir	MA72114	Waltham/Weston.	64	ACRES	3
Stop River	MA72-09	Headwaters south of Route 1A, Wrentham to Norfolk-Walpole MCI discharge (NPDES: MA0102253), Norfolk (through Highland Lake formerly MA72047).	4.9	MILES	5
Stop River	MA72-10	From Norfolk-Walpole MCI discharge, Norfolk to confluence with Charles River, Medfield.	4.2	MILES	5
Todd Pond	MA72117	Lincoln.	9	ACRES	3
Trout Brook	MA72-19	Headwaters, outlet Channings Pond, Dover to mouth at confluence with the Charles River, Dover.	2.8	MILES	5
Uncas Pond	MA72122	Franklin.	17	ACRES	4A
Unnamed Tributary	MA72-27	Headwaters, outlet Stony Brook Reservoir, Waltham/Weston to mouth at confluence with the Charles River, Waltham/Weston.	0.2	MILES	4C
Unnamed Tributary	MA72-30	Locally known as "Laundry Brook" - emerges north of California Street, Watertown to mouth at confluence with the Charles River, Watertown (stream not depicted on 1987 Newton USGS map).	0.02	MILES	5
Unnamed Tributary	MA72-31	Locally known as "Millers River" - from emergence near Route 93, Cambridge/Boston to mouth at confluence with the Charles River, Cambridge.	0.2	MILES	5
Unnamed Tributary	MA72-32	Locally known as "Sawins Brook" - emerges east of Elm Street, Watertown to mouth at confluence with the Charles River, Watertown (one culverted portion approximately 360 feet (0.07mile)).	0.5	MILES	4A
Unnamed Tributary	MA72-41	Unnamed tributary to the Charles River, outlet Lymans Pond, Dover to mouth at confluence with the Charles River, Dover.	0.5	MILES	5
Unnamed Tributary	MA72-42	Unnamed tributary to the Charles River, from outlet unnamed pond north of South Street, Natick to mouth at confluence with the Charles River, Natick.	0.3	MILES	2

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Unnamed Tributary	MA72-43	Unnamed tributary to Morses Pond, headwaters outlet Reeds Pond, Wellesley to mouth at confluence with Morses Pond, Wellesley.	0.2	MILES	5
Waban Brook	MA72-17	Headwaters, outlet Lake Waban, Wellesley to mouth at confluence with the Charles River, Wellesley.	0.7	MILES	5
Walker Pond	MA72126	Millis.	9	ACRES	3
Waseeka Sanctuary Pond	MA72155	Holliston.	17	ACRES	3
Weld Pond	MA72131	Dedham.	27	ACRES	2
Weston Reservoir	MA72134	Weston.	59	ACRES	3
Weston Station Pond	MA72135	Weston.	38	ACRES	3
Chicopee					
Abbey Brook	MA36-40	Headwaters west of Saint James Avenue, Springfield through Bemis Pond (formely reported as segment MA36011) to mouth at confluence with the Chicopee River, Chicopee.	1.5	MILES	5
Adams Pond	MA36001	Oakham.	30	ACRES	3
Alden Pond	MA36003	Ludlow.	4	ACRES	5
Asnacomet Pond	MA36005	Hubbardston.	126	ACRES	2
Atherton Brook	MA36-30	Headwaters, confluence Town Farm and Osgood brooks, Shutesbury to mouth at inlet Quabbin Reservoir, Pelham.	1.9	MILES	2
Beaver Lake	MA36010	Ware.	150	ACRES	4C
Bemis Road Pond	MA36012	Hubbardston.	16	ACRES	3
Bennett Street Pond	MA36014	Palmer.	6	ACRES	3
Bickford Pond	MA36015	Hubbardston/Princeton.	163	ACRES	3
BOTTLE BROOK	MA36-46	Headwaters, perennial portion, east of Dunhamtown Brimfield Road, Brimfield to mouth at confluence with Quaboag River, Brimfield.	2	MILES	2
Brigham Pond	MA36020	Hubbardston.	45	ACRES	3
Brookhaven Lake	MA36021	West Brookfield.	34	ACRES	5
Brooks Pond	MA36022	Petersham.	87	ACRES	3
Brooks Pond	MA36023	North Brookfield/New Braintree/Spencer/Oakham.	179	ACRES	4C
Browning Pond	MA36025	Oakham/Spencer.	106	ACRES	5
Burnshirt River	MA36-37	Headwaters, outlet Stone Bridge Pond, Templeton/Phillipston to mouth at confluence with Canesto Brook, Barre (through Williamsville Pond formerly segment MA36167).	8.6	MILES	2
Cadwell Creek	MA36-29	Headwaters east of Route 202 and northwest of Dodge Hill, Pelham to mouth at inlet Quabbin Reservoir, Belchertown.	3.2	MILES	2
Calkins Brook	MA36-26	Headwaters, perennial portion, southeast of Baptist Hill, Palmer to mouth at confluence with Twelvemile Brook, Wilbraham.	2.7	MILES	2
Canesto Brook	MA36-36	Headwaters, perennial portion, northwest of Hubbardston State Forest near Hubbardston/Templeton town line to mouth at confluence with Ware River, Barre.	7.3	MILES	3
Carter Pond	MA36029	Petersham.	44	ACRES	3
Chicopee Brook	MA36-21	Headwaters, east of Peaked Mountain, Monson (through Chicopee Brook Pond, formerly segment MA36031) to mouth at confluence with Quaboag River, Monson.	9.9	MILES	5
Chicopee Reservoir	MA36033	Chicopee.	22	ACRES	2

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Chicopee River	MA36-22	Source, confluence of Ware River and Quaboag River, Palmer (through Red Bridge Impoundment formerly segment MA36171) to Red Bridge Impoundment Dam (NATID: MA00723), Wilbraham/Ludlow.	2.8	MILES	5
Chicopee River	MA36-23	Red Bridge Impoundment Dam (NATID: MA00723), Wilbraham/Ludlow to Wilbraham Pumping Station (old WWTP), Wilbraham/Ludlow.	3.8	MILES	2
Chicopee River	MA36-24	Wilbraham Pumping Station (old WWTP), Wilbraham/Ludlow to Chicopee Falls Dam (NATID: MA00719), Chicopee.	8.8	MILES	5
Chicopee River	MA36-25	Chicopee Falls Dam (NATID: MA00719), Chicopee to mouth at confluence with Connecticut River, Chicopee.	3	MILES	5
Cloverdale Street Pond	MA36036	Rutland.	19	ACRES	3
Comins Pond	MA36037	Warren.	26	ACRES	3
CONANT BROOK	MA36-45	Headwaters, outlet Conant Brook Reservoir dam (NATID: MA00965), Monson to mouth at confluence with Chicopee Brook, Monson.	1.9	MILES	2
Conant Brook Reservoir	MA36038	Monson.	4	ACRES	3
Cooley Brook	MA36-38	From the outlet of Chicopee Reservoir, Chicopee to mouth at confluence with the Chicopee River, Chicopee (segment includes "braid" that confluences with the Chicopee River upstream of the mouth of Cooley Brook).	1.2	MILES	2
Cranberry Meadow Pond	MA36040	Spencer/Charlton.	69	ACRES	3
Cranberry River	MA36-20	Headwaters, outlet Cranberry Meadow Pond, Spencer to mouth at confluence with Sevenmile River, Spencer (through Howe Pond formerly segment MA36073).	3.6	MILES	2
Crystal Lake	MA36043	Palmer.	16	ACRES	3
Cunningham Pond	MA36044	Hubbardston.	27	ACRES	3
Cusky Pond	MA36045	New Braintree.	28	ACRES	3
DANFORTH BROOK	MA36-50	Headwaters, east of Charity Road, Hardwick to mouth at confluence with Ware River, Hardwick.	5.8	MILES	5
Dean Pond	MA36049	Brimfield/Monson.	10	ACRES	4C
Dean Pond	MA36050	Oakham.	64	ACRES	5
Demond Pond	MA36051	Rutland.	120	ACRES	3
Dimmock Pond	MA36053	Springfield.	9	ACRES	3
Doane Pond	MA36054	North Brookfield.	28	ACRES	5
Dunn Brook	MA36-19	From confluence with Forget-Me-Not Brook, East Brookfield/Brookfield to mouth at confluence with Quaboag River, Brookfield.	2.4	MILES	2
Eames Pond	MA36056	Paxton.	58	ACRES	5
EAST BRANCH FEVER BROOK	MA36-47	Headwaters, outlet Brooks Pond, Petersham to mouth at inlet Quabbin Reservoir, Petersham.	5.2	MILES	3
East Branch Swift River	MA36-35	Headwaters, confluence of Shattuck and Popple Camp brooks, Phillipston to mouth at inlet Pottapaug Pond, Petersham (through Connor Pond formerly segment MA36039).	9.8	MILES	2
East Branch Ware River	MA36-01	Headwaters, outlet Bickford Pond, Hubbardston to mouth at confluence with West Branch Ware River (forming headwaters of Ware River), Barre.	12.4	MILES	5
East Brookfield River	MA36-13	Headwaters, outlet Lake Lashaway, East Brookfield to mouth at inlet Quaboag Pond, East Brookfield.	2.4	MILES	5
Edson Pond	MA36180	Rutland.	36	ACRES	3

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Fivemile Pond	MA36061	Springfield.	36	ACRES	3
Fivemile Pond South	MA36182	Springfield.	4	ACRES	3
Forest Lake	MA36063	Palmer.	45	ACRES	4C
Forget-Me-Not Brook	MA36-18	Headwaters, North Brookfield to North Brookfield WWTP discharge (NPDES: MA0101061), North Brookfield.	1.2	MILES	5
Forget-Me-Not Brook	MA36-28	North Brookfield WWTP discharge (NPDES: MA0101061), North Brookfield to mouth at confluence with Dunn Brook, East Brookfield/Brookfield.	1.3	MILES	5
Fuller Brook	MA36-41	From the Ludlow/Chicopee corporate boundary where the stream name changes from Higher Brook, to mouth at confluence with the Chicopee River, Chicopee.	1.9	MILES	5
Gaston Pond	MA36065	Barre.	15	ACRES	3
Hardwick Pond	MA36066	Hardwick.	67	ACRES	4C
Haviland Pond	MA36069	Ludlow.	25	ACRES	3
Higher Brook	MA36-42	Headwaters, perennial portion, south of Route 21, Ludlow through Harris Pond (formely reported as segment MA36067) to mouth at Ludlow/Chicopee corporate boundary where the stream name changes to Fuller Brook.	6.3	MILES	2
Hop Brook	MA36-32	Headwaters, perennial portion, upstream of West Street, New Salem to mouth at inlet Quabbin Reservoir, New Salem.	3.7	MILES	3
Horse Pond	MA36072	North Brookfield.	63	ACRES	3
JABISH BROOK	MA36-43	Headwaters, outlet Knights Pond, Belchertown to mouth at confluence with Swift River, Belchertown.	14	MILES	2
JOSLIN BROOK	MA36-44	Headwaters, outlet Lovewell Pond, Hubbardston to mouth at confluence with Mason Brook, Hubbardston.	3.3	MILES	2
KINGS BROOK	MA36-48	Headwaters, west of Saint John Street, Palmer to mouth at confluence with Quaboag River, Palmer.	3.3	MILES	2
Knights Pond	MA36077	Belchertown.	36	ACRES	3
Lake Lashaway	MA36079	North Brookfield/East Brookfield.	274	ACRES	4A
Lake Lorraine	MA36084	Springfield.	28	ACRES	5
Lake Whittemore	MA36165	Spencer.	52	ACRES	5
Long Pond	MA36082	Rutland.	167	ACRES	4C
Long Pond	MA36083	Springfield.	14	ACRES	4A
Lovewell Pond	MA36085	Hubbardston.	82	ACRES	3
Mare Meadow Reservoir	MA36090	Westminster/Hubbardston.	240	ACRES	3
Mare Meadow Reservoir North	MA36178	Westminster.	38	ACRES	3
Middle Branch Swift River	MA36-33	Headwaters just north of portions of Wendell and New Salem State Forests (south of the Swift River School), Wendell to mouth at inlet Quabbin Reservoir, New Salem.	6.9	MILES	3
Minechoag Pond	MA36093	Ludlow.	21	ACRES	4A
Mona Lake	MA36094	Springfield.	11	ACRES	4A
MOOSE BROOK	MA36-51	Headwaters, outlet small unnamed pond north of Route 32, Barre to mouth at confluence with Ware River, Hardwick.	8	MILES	2
Moose Hill Reservoir	MA36179	Spencer/Leicester.	52	ACRES	3
Moosehorn Pond	MA36097	Hubbardston.	67	ACRES	4C
Moulton Pond	MA36098	Rutland.	65	ACRES	3

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Muddy Pond	MA36102	Oakham/Rutland.	23	ACRES	3
Murphy Pond	MA36103	Ludlow.	6	ACRES	3
Old Reservoir	MA36114	Barre.	37	ACRES	4C
Palmer Reservoir	MA36115	Palmer.	8	ACRES	3
Paradise Lake	MA36116	Monson.	17	ACRES	3
Pattaquattic Pond	MA36117	Palmer.	18	ACRES	3
Peppers Mill Pond	MA36121	Ware.	11	ACRES	3
Perry Hill Pond	MA36122	Hubbardston.	23	ACRES	3
Pottapaug Pond	MA36125	Petersham/Hardwick.	568	ACRES	4A
Prince River	MA36-08	Headwaters, outlet Hemingway Pond, Barre to mouth at confluence with Ware River, Barre (excluding approximately 0.6 miles through Old Reservoir, segment MA36114).	7.1	MILES	5
Quabbin Reservoir	MA36129	Petersham/Pelham/Ware/Hardwick/Shutesbury/Belchertown/New Salem.	24012	ACRES	4A
Quaboag Pond	MA36130	Brookfield/East Brookfield.	544	ACRES	5
Quaboag River	MA36-14	Headwaters, outlet Quaboag Pond, Brookfield to Route 67 bridge, West Brookfield.	6.1	MILES	2
Quaboag River	MA36-15	Route 67 bridge, West Brookfield to Warren WWTP discharge (NPDES: MA0101567), Warren.	6.2	MILES	5
Quaboag River	MA36-16	Warren WWTP discharge (NPDES: MA0101567), Warren to Route 32 bridge, Palmer/Monson.	8.7	MILES	5
Quaboag River	MA36-17	Route 32 bridge, Palmer/Monson to mouth at confluence with Ware River (forming headwaters of Chicopee River), Palmer.	5.3	MILES	5
Quacumquasit Pond	MA36131	Brookfield/East Brookfield/Sturbridge.	223	ACRES	4A
Queen Lake	MA36132	Phillipston.	139	ACRES	3
Sevenmile River	MA36-11	Headwaters, outlet Browning Pond, Spencer to confluence with Cranberry River, Spencer.	7.3	MILES	5
Sevenmile River	MA36-12	Confluence with Cranberry River, Spencer to mouth at confluence with East Brookfield River, East Brookfield.	2.5	MILES	5
Shaw Pond	MA36138	Leicester.	64	ACRES	3
Spectacle Pond	MA36142	Wilbraham.	9	ACRES	4A
Springfield Reservoir	MA36145	Ludlow.	393	ACRES	3
Stone Bridge Pond	MA36148	Templeton.	32	ACRES	3
Sugden Reservoir	MA36150	Spencer.	85	ACRES	4A
Swift River	MA36-09	Outlet Winsor Dam (NATID: MA00588), Belchertown to Upper Bondsville Mill Dam (NATID: MA00560), Belchertown/Palmer.	5.6	MILES	2
Swift River	MA36-10	Upper Bondsville Mill Dam (NATID: MA00560), Belchertown/Palmer to mouth at confluence with Ware River, Palmer.	3.9	MILES	2
Thayer Pond	MA36181	Rutland.	46	ACRES	3
Thompson Lake	MA36154	Palmer.	34	ACRES	3
Thompsons Pond	MA36155	Spencer.	116	ACRES	3
Town Barn Beaver Pond	MA36156	Petersham.	20	ACRES	3
TURKEY HILL BROOK	MA36-49	Outlet Thompsons Pond, Spencer to mouth at confluence with Sevenmile River, Spencer.	3.9	MILES	2
Turkey Hill Pond	MA36157	Rutland/Paxton.	90	ACRES	4C

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Unnamed Tributary	MA36-39	Unnamed tributary to the Chicopee River locally known as "Poor Brook" from headwaters near the Conrail tracks, Springfield to mouth at confluence with the Chicopee River, Chicopee.	2.2	MILES	5
Waite Pond	MA36161	Hubbardston.	35	ACRES	3
Ware River	MA36-03	MDC intake, Barre to dam at South Barre Reservoir (NATID: MA00091), Barre (through former segments Powder Mill Pond MA36126 and South Barre Reservoir MA36141).	2.1	MILES	5
Ware River	MA36-04	Dam at South Barre Reservoir (NATID: MA00091), Barre to Wheelwright Pond Dam (NATID: MA00616), New Braintree/Hardwick.	4.9	MILES	2
Ware River	MA36-05	Wheelwright Pond Dam (NATID: MA00616), New Braintree/Hardwick to Ware Impoundment dam (NATID: MA00594), Ware.	11.5	MILES	5
Ware River	MA36-06	Ware Impoundment dam (NATID: MA00594), Ware to Thorndike Dam (NATID: MA00563), Palmer.	10.1	MILES	5
Ware River	MA36-07	Thorndike Dam (NATID: MA00563), Palmer to mouth at confluence with Quaboag River (forming headwaters of Chicopee River), Palmer.	2.5	MILES	2
Ware River	MA36-27	Confluence of East Branch Ware and West Branch Ware rivers, Barre to MDC intake, Barre.	4.9	MILES	5
West Branch Fever Brook	MA36-34	Headwaters, perennial portion, just north (upstream) of Route 122, Petersham to mouth at inlet Quabbin Reservoir, Petersham.	3.4	MILES	3
West Branch Swift River	MA36-31	Headwaters, outlet of small unnamed impoundment east of Cooleyville Road (in Wendell State Forest), Wendell to mouth at inlet Quabbin Reservoir, Shutesbury/New Salem.	6.3	MILES	2
West Branch Ware River	MA36-02	Headwaters, outlet Brigham Pond, Hubbardston to mouth at confluence with East Branch Ware River (forming headwaters of Ware River), Barre.	4.5	MILES	3
Wickaboag Pond	MA36166	West Brookfield.	316	ACRES	4A
Concord (SuAsCo)					
Ashland Reservoir	MA82003	Ashland.	168	ACRES	4A
Assabet Brook	MA82B-17	Headwaters, outlet Fletchers Pond, Stow to mouth at confluence with the Assabet River, Stow.	2	MILES	3
Assabet River	MA82B-01	Headwaters, outlet Assabet River Reservoir, Westborough to the Westborough WWTP discharge (NPDES: MA0100412), Westborough.	1.2	MILES	5
Assabet River	MA82B-02	From the Westborough WWTP discharge (NPDES: MA0100412), Westborough to the dam (NATID: MA02843) Route 20, Northborough.	3.8	MILES	5
Assabet River	MA82B-03	From the dam (NATID: MA02843) Route 20, Northborough to the Marlborough West WWTP discharge (NPDES: MA0100480), Marlborough.	2.4	MILES	5
Assabet River	MA82B-04	From the Marlborough West WWTP discharge (NPDES: MA0100480), Marlborough to the Hudson WWTP discharge (NPDES: MA0101788), Hudson.	8	MILES	5
Assabet River	MA82B-05	From the Hudson WWTP discharge (NPDES: MA0101788), Hudson to the USGS gage (#01097000) at Routes 27/62, Maynard.	8.2	MILES	5
Assabet River	MA82B-06	From the USGS gage (#01097000) at Routes 27/62, Maynard to the Powdermill Dam (NATID: MA00128), Acton.	1.2	MILES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Assabet River	MA82B-07	From the Powdermill Dam (NATID: MA00128), Acton to mouth at confluence with the Sudbury River (forming headwaters Concord River), Concord.	6.4	MILES	5
Assabet River Reservoir	MA82004	Westborough.	355	ACRES	5
Bartlett Pond	MA82007	Northborough.	52	ACRES	4C
Batemans Pond	MA82008	Concord.	25	ACRES	4C
BEAVER BROOK	MA82A-34	Headwaters south at Rack Road, Chelmsford to mouth at confluence with River Meadow Brook, Chelmsford.	6.3	MILES	5
Boons Pond	MA82011	Stow/Hudson.	174	ACRES	4A
Carding Mill Pond	MA82015	Sudbury.	40	ACRES	5
Cedar Swamp Pond	MA82016	Westborough.	17	ACRES	3
Chauncy Lake	MA82017	Westborough.	173	ACRES	4C
Clamshell Pond	MA82018	Clinton.	24	ACRES	3
Cold Harbor Brook	MA82B-18	Headwaters, outlet Rocky Pond, Boylston to mouth at confluence with Howard Brook, Northborough.	6.1	MILES	2
Coles Brook	MA82B-22	Headwaters, east of Francine Road, Acton to mouth at confluence with Fort Pond Brook, Acton.	2	MILES	5
Concord River	MA82A-07	Headwaters, confluence Assabet and Sudbury rivers, Concord to Billerica Water Supply intake, Billerica.	10.4	MILES	5
Concord River	MA82A-08	From Billerica Water Supply intake, Billerica to Rogers Street bridge, Lowell.	5.1	MILES	5
Concord River	MA82A-09	From Rogers Street bridge, Lowell to mouth at confluence with the Merrimack River, Lowell.	0.9	MILES	5
Danforth Brook	MA82B-19	Headwaters, confluence of Mill Brook and an unnamed tributary draining from Little Pond, Bolton to mouth at inlet of Bruces Pond, Hudson.	2.4	MILES	2
Dean Park Pond	MA82026	Shrewsbury.	7	ACRES	5
Denny Brook	MA82A-27	Headwaters, perennial portion, outlet unnamed pond west of South Street, Westborough to mouth at confluence with Jackstraw Brook, Westborough.	0.6	MILES	3
Dudley Pond	MA82029	Wayland.	83	ACRES	5
Eames Brook	MA82A-13	Headwaters, outlet Farm Pond, Framingham to mouth at confluence with the Sudbury River, Framingham.	0.6	MILES	5
Elizabeth Brook	MA82B-12	From the outlet of an unnamed pond (Delaney Project on Stow/Harvard border) west of Harvard Road, Stow to mouth at inlet of Fletchers Pond, Stow.	3.7	MILES	5
Elm Street Pond	MA82032	Chelmsford/Carlisle.	65	ACRES	3
Farm Pond	MA82035	Framingham.	139	ACRES	5
Farrar Pond	MA82036	Lincoln.	83	ACRES	3
Fisk Pond	MA82038	Natick.	62	ACRES	4C
Fiske Street Pond	MA82037	Carlisle/Chelmsford.	38	ACRES	3
Fort Meadow Brook	MA82B-11	Headwaters, outlet Fort Meadow Reservoir, Marlborough/Hudson to mouth at confluence with Assabet River, Hudson.	2.7	MILES	2
Fort Meadow Reservoir	MA82042	Marlborough/Hudson.	254	ACRES	5
Fort Pond	MA82043	Littleton.	102	ACRES	3

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Fort Pond Brook	MA82B-13	From source in a wetland just west of Fort Pond, Littleton to mouth at inlet Warners Pond, Concord.	10.2	MILES	3
Framingham Reservoir #1	MA82044	Framingham.	117	ACRES	5
Framingham Reservoir #2	MA82045	Framingham/Ashland.	114	ACRES	5
Framingham Reservoir #3	MA82046	Framingham.	222	ACRES	4C
Gates Pond	MA82047	Berlin.	73	ACRES	3
Gates Pond Brook	MA82B-10	Headwaters, outlet Gates Pond, Berlin to mouth at confluence with the Assabet River, Berlin.	1	MILES	3
Gleasons Pond	MA82048	Framingham.	11	ACRES	3
Great Meadows Pond #3	MA82053	Concord.	53	ACRES	4C
Grist Mill Pond	MA82055	Sudbury/Marlborough.	17	ACRES	5
Hager Pond	MA82056	Marlborough.	30	ACRES	5
Heard Pond	MA82058	Wayland.	76	ACRES	5
Heart Pond	MA82059	Chelmsford/Westford.	94	ACRES	5
Hocomonco Pond	MA82060	Westborough.	27	ACRES	5
Hop Brook	MA82A-05	Headwaters, outlet Carding Mill Pond, Sudbury to mouth at confluence with Allowance Brook, Sudbury (through Stearns Mill Pond; formerly segment MA82104) (Allowance Brook was identified as Landham Brook on USGS quads prior to 1987).	6.7	MILES	5
Hop Brook	MA82A-06	From the confluence of Allowance Brook, Sudbury to the confluence with the Sudbury River, Wayland (this segment was formerly identified as Wash Brook, Hop Brook appeared as Wash Brook and Allowance Brook was previously identified as Landham Brook on USGS quads prior to 1987).	3	MILES	5
Hop Brook	MA82B-20	Outlet Smith Pond, Northborough to mouth at confluence with the Assabet River, Northborough.	1.3	MILES	2
Hopkinton Reservoir	MA82061	Hopkinton/Ashland.	161	ACRES	5
Indian Brook	MA82A-23	Headwaters, outlet Icehouse Pond, Hopkinton to the inlet of Hopkinton Reservoir, Hopkinton (formerly part of segment MA82A-12).	2.3	MILES	3
Indian Brook	MA82A-24	Outlet of Hopkinton Reservoir, Ashland to mouth at confluence with the Sudbury River, Ashland (formerly part of segment MA82A-12).	1.7	MILES	2
Jackstraw Brook	MA82A-28	From the most downstream crossing of Upton Road (first crossing south of Hopkinton Road), Westborough to mouth at inlet of Cedar Swamp Pond, Westborough.	1.5	MILES	3
JACKSTRAW BROOK	MA82A-32	Headwaters, perennial portion west of Upton Road, Westborough to the most downstream crossing of Upton Road (first crossing south of Hopkinton Road), Westborough.	0.4	MILES	3
Lake Cochituate	MA82020	[North Basin] Natick/Framingham/Wayland.	196	ACRES	5
Lake Cochituate	MA82125	[Middle Basin] Natick/Wayland.	134	ACRES	5
Lake Cochituate	MA82126	[Carling Basin] Natick.	14	ACRES	5
Lake Cochituate	MA82127	[South Basin] Natick.	239	ACRES	5
Learned Pond	MA82069	Framingham.	34	ACRES	3
Little Chauncy Pond	MA82070	Northborough.	43	ACRES	4C
Long Pond	MA82072	Littleton.	102	ACRES	5
Meadow Pond	MA82129	Carlisle.	12	ACRES	4C
Milham Reservoir	MA82077	Marlborough.	67	ACRES	3

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Mill Brook	MA82A-20	Headwaters, outlet Crosby Pond, Concord to mouth at confluence with the Concord River, Concord.	2.7	MILES	4C
Nagog Pond	MA82082	Littleton/Acton.	278	ACRES	3
Nashoba Brook	MA82B-14	From source just south of Route 110, Westford to mouth at confluence with Fort Pond Brook, Concord (through Ice House Pond; formerly segment MA82066).	9.4	MILES	5
North Brook	MA82B-21	Headwaters, east of Ballville Road and north of Wataquadock Hill Road, Bolton to mouth at confluence with the Assabet River, Berlin (excluding the approximately 0.1 mile through Wataquatic Pond (locally 'Fyfeshire Pond'), Bolton).	7.6	MILES	2
North Great Meadows	MA82084	Concord.	73	ACRES	4C
Nutting Lake	MA82088	[East Basin] Billerica.	30	ACRES	5
Nutting Lake	MA82124	[West Basin] Billerica.	51	ACRES	4A
Pantry Brook	MA82A-19	From source west of Haynes Road, Sudbury to mouth at confluence with the Sudbury River, Sudbury.	3.1	MILES	5
Piccadilly Brook	MA82A-30	Headwaters, outlet Westboro Reservoir, Westborough to mouth at inlet to Cedar Swamp Pond, Westborough.	2	MILES	3
Pine Brook	MA82A-14	Headwaters, south of Route 20, just east of the Weston/Wayland border to mouth at confluence with the Sudbury River, Wayland.	2.5	MILES	2
Puffers Pond	MA82092	Maynard/Sudbury.	28	ACRES	5
River Meadow Brook	MA82A-10	Headwaters, outlet Russell Mill Pond, Chelmsford to mouth at confluence with the Concord River, Lowell.	6.4	MILES	5
Rocky Pond	MA82095	Boylston.	62	ACRES	4C
Rutters Brook	MA82A-29	From headwaters near Robin Road, Westborough to mouth at confluence with Jackstraw Brook, Westborough.	2	MILES	3
Saxonville Pond	MA82097	Framingham.	59	ACRES	5
Second Division Brook	MA82B-09	Headwaters, outlet small unnamed pond north of Waltham Street, Maynard to mouth at confluence with the Assabet River, Concord.	2.9	MILES	3
Smith Pond	MA82099	Northborough.	16	ACRES	3
Solomon Pond	MA82100	Northborough.	21	ACRES	3
Spencer Brook	MA82B-15	From the outlet of an unnamed pond north of Bellows Hill, Carlisle to mouth at inlet Angiers Pond, Concord.	3.8	MILES	3
STONY BROOK	MA82A-33	Headwaters, outlet Sudbury Reservoir, Southborough to mouth at inlet Framingham Reservoir #3, Framingham.	0.4	MILES	2
Sudbury Reservoir	MA82106	Southborough/Marlborough.	1181	ACRES	4A
Sudbury River	MA82A-01	Headwaters, outlet Cedar Swamp Pond, Westborough to the Fruit Street bridge, Hopkinton/Westborough.	1.9	MILES	2
Sudbury River	MA82A-03	Outlet Saxonville Pond, Framingham to confluence with Hop Brook (the lower portion of Hop Brook was identified as Wash Brook on USGS quads prior to 1987), Wayland.	5.5	MILES	5
Sudbury River	MA82A-04	Confluence with Hop Brook (the lower portion of Hop Brook was identified as Wash Brook on USGS quads prior to 1987), Wayland to confluence with Assabet River (forming headwaters Concord River), Concord.	11.7	MILES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Sudbury River	MA82A-25	From the Fruit Street bridge Hopkinton/Westborough to the inlet of Framingham Reservoir #2, Ashland (formerly part of segment MA82A-02).	6.3	MILES	5
Sudbury River	MA82A-26	Outlet Framingham Reservoir #1, Framingham to inlet of Saxonville Pond, Framingham (formerly part of segment MA82A-02).	2.8	MILES	5
Taylor Brook	MA82B-08	Headwaters, outlet Puffer Pond, Maynard to mouth at confluence with the Assabet River, Maynard.	1.8	MILES	3
Tripp Pond	MA82107	Hudson.	4	ACRES	3
Unnamed Tributary	MA82A-15	Headwaters, northeast of Indian Head Hill (near Route 20), Marlborough to mouth at inlet of Hager Pond, Marlborough.	1.1	MILES	5
Unnamed Tributary	MA82A-16	Headwaters, outlet Hager Pond, Marlborough to mouth at inlet of Grist Mill Pond, Marlborough.	0.2	MILES	5
Unnamed Tributary	MA82A-17	Headwaters, outlet Grist Mill Pond, Sudbury to mouth at inlet of Carding Mill Pond, Sudbury.	0.5	MILES	5
Unnamed Tributary	MA82A-22	Unnamed tributary to the Sudbury River locally known as Cochituate Brook, headwaters, outlet north basin of Lake Cochituate, Framingham to mouth at confluence with Sudbury River, Framingham.	1.4	MILES	5
Unnamed Tributary	MA82A-31	Unnamed tributary to River Meadow Brook, outlet Elm Street Pond, Carlisle to mouth at confluence with River Meadow Brook, Chelmsford (through former pond segment MA82096 and excluding approximately 0.4 miles through Meadow Pond, segment MA82129) (formely reported as portion of segment MA82A-21).	3.7	MILES	4C
Unnamed Tributary	MA82B-16	Unnamed tributary to Assabet River (locally considered part of Spencer Brook), outlet Angiers Pond, Concord to mouth at confluence with the Assabet River, Concord.	0.5	MILES	2
Unnamed Tributary	MA82B-23	Unnamed tributary to the Assabet River; headwaters, outlet small pond south of Athens Street, Stow to mouth at confluence with Assabet River (backwater area), Stow.	1.1	MILES	3
Walden Pond	MA82109	Concord.	63	ACRES	4A
Warners Pond	MA82110	Concord.	59	ACRES	4A
Waushakum Pond	MA82112	Framingham/Ashland.	87	ACRES	5
West Pond	MA82115	Bolton.	19	ACRES	3
Westborough Reservoir	MA82114	Westborough.	41	ACRES	3
White Pond	MA82118	Concord.	36	ACRES	3
White Pond	MA82119	Hudson/Stow.	49	ACRES	3
Whitehall Brook	MA82A-11	Headwaters, outlet Whitehall Reservoir, Hopkinton to mouth at confluence with the Sudbury River, Westborough.	3.5	MILES	3
Whitehall Reservoir	MA82120	Hopkinton.	560	ACRES	5
Williams Lake	MA82121	Marlborough.	69	ACRES	3
Willis Pond	MA82122	Sudbury.	67	ACRES	2
Winning Pond	MA82123	Billerica.	22	ACRES	4C
Connecticut					
Amethyst Brook	MA34-35	Headwaters, confluence of Buffum and Harris brooks, Pelham to mouth at confluence with Adams River (forming headwaters Fort River), Amherst.	2.1	MILES	2
Arcadia Lake	MA34005	Belchertown.	32	ACRES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Atkins Reservoir	MA34006	Shutesbury/Amherst.	46	ACRES	3
Bachelor Brook	MA34-07	Outlet Forge Pond, Granby to mouth at confluence with Connecticut River, South Hadley (through former segments Aldrich Lake [East Basin] MA34002 and Aldrich Lake [West Basin] MA34106).	11.5	MILES	5
Barton Cove	MA34122	(CT River) Gill.	160	ACRES	5
Bloody Brook	MA34-36	Headwaters, perennial portion, from the railroad tracks north of North Main Street, Deerfield to mouth at confluence with Mill River, Whately.	3.7	MILES	5
Brickyard Brook	MA34-13	Headwaters, perennial portion, Westfield to mouth at confluence with Manhan River, Westfield.	1.6	MILES	3
Broad Brook	MA34-18	Headwaters, Holyoke to mouth at inlet Nashawannuck Pond, Easthampton.	9.3	MILES	2
BUFFUM BROOK	MA34-49	Headwaters, west of West Pelham Road, Shutesbury to mouth at confluence with Harris Brook, (forming headwaters Amethyst Brook), Pelham.	3.1	MILES	3
Buttery Brook	MA34-42	Headwaters (perennial portion), west of Haig Avenue, South Hadley to mouth at confluence with the Connecticut River, South Hadley (interrupted urban, approximately 1200 feet culverted).	1.6	MILES	5
Connecticut River	MA34-01	New Hampshire/Massachusetts state line, Northfield to Route 10 bridge, Northfield.	3.5	MILES	5
Connecticut River	MA34-02	Route 10 bridge, Northfield to Turners Falls dams (NATID: MA00848 and MA00849), Gill/Montague (excluding the delineated segment; Barton Cove MA34019).	11.4	MILES	5
Connecticut River	MA34-03	Turners Falls dams (NATID: MA00848 and MA00849), Gil/Montague to confluence with Deerfield River, Greenfield/Deerfield.	3.7	MILES	5
Connecticut River	MA34-04	Confluence with Deerfield River, Greenfield/Deerfield to Holyoke Dam (NATID: MA00973), Holyoke/South Hadley.	34.5	MILES	5
Connecticut River	MA34-05	Holyoke Dam (NATID: MA00973), Holyoke/South Hadley to Massachusetts/Connecticut border, Longmeadow.	15.9	MILES	5
Cooley Brook	MA34-20	Headwaters, Longmeadow to mouth at confluence with Connecticut River, Longmeadow.	1.4	MILES	3
Cranberry Pond	MA34018	Sunderland.	28	ACRES	4C
Cushman Brook	MA34-34	Headwaters, outlet Atkins Reservoir, Shutesbury to mouth at inlet Factory Hollow Pond, Amherst.	2.5	MILES	2
Danks Pond	MA34019	Northampton/Easthampton.	3	ACRES	3
DEAN BROOK	MA34-50	Headwaters, east of West Pelham Road (at mouth of Baker Brook), Shutesbury to mouth at confluence with Adams Brook (in small "diversion pool" for Atkins Reservoir), Shutesbury.	2.4	MILES	3
DRY BROOK	MA34-64	Headwaters, west of Huckle Hill Road, Bernardston to mouth at confluence with the Connecticut River, Gill.	8.3	MILES	2
East Branch Mill River	MA34-37	Headwaters, confluence with Bradford Brook, Williamsburg to mouth at confluence with West Branch Mill River (forming headwaters Mill River), Williamsburg.	2.8	MILES	2
Factory Hollow Pond	MA34021	Amherst.	12	ACRES	3
Fall River	MA34-33	Vermont/Massachusetts border, Bernardston to mouth at confluence with Connecticut River, Greenfield/Gill.	10.2	MILES	2
Forge Pond	MA34024	Granby.	72	ACRES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Fort River	MA34-27	Headwaters (confluence of Adams and Amethyst brooks, Amherst), to mouth at confluence Connecticut River, Hadley.	12.8	MILES	5
FOURMILE BROOK	MA34-56	Headwaters, south of the intersection of Four Mile Brook Road and South Mountain Road, Northfield, to mouth at confluence with Connecticut River, Northfield.	3.4	MILES	2
Green Pond	MA34028	Montague.	15	ACRES	3
HARRIS BROOK	MA34-48	Headwaters, northeast of Enfield Road, Pelham to Intake Reservoir Dam (NATID: MA01270) outlet, Pelham (excluding approximately 0.2 miles through Hawley Reservoir, Pelham).	1.2	MILES	3
HOP BROOK	MA34-61	Headwaters, west of Oasis Drive, Belchertown to mouth at confluence with Fort River, Amherst.	8.6	MILES	2
Ingraham Brook Pond	MA34037	Granby.	5	ACRES	4C
JOE WRIGHT BROOK	MA34-52	Headwaters south of Hemenway Trail, Williamsburg to mouth at confluence with Mill River, Williamsburg.	3.3	MILES	3
Lake Bray	MA34013	Holyoke.	10	ACRES	4C
Lake Holland	MA34035	Belchertown.	11	ACRES	4C
Lake Lookout	MA34044	Springfield.	7	ACRES	5
Lake Pleasant	MA34070	Montague.	54	ACRES	3
Lake Warner	MA34098	Hadley.	65	ACRES	4A
Lake Wyola	MA34103	Shutesbury.	124	ACRES	4A
Lampson Brook	MA34-06	Belchertown WWTP discharge, Belchertown to mouth at confluence with Weston Brook, Belchertown.	1.2	MILES	5
Leaping Well Reservoir	MA34040	South Hadley.	9	ACRES	5
Leverett Pond	MA34042	Leverett.	91	ACRES	4A
Log Pond Cove	MA34124	Holyoke.	19	ACRES	5
Long Plain Brook	MA34-09	Headwaters, Leveret/Sunderland town line (in Mt. Toby State Forest) to mouth at confluence with Russellville Brook at Route 116, Sunderland.	5	MILES	2
Longmeadow Brook	MA34-21	Headwaters, outlet Turner Park Pond, Longmeadow to mouth at confluence with Connecticut River, Longmeadow.	4.5	MILES	5
Loon Pond	MA34045	Springfield.	26	ACRES	3
Lower Highland Lake	MA34047	Goshen.	91	ACRES	3
Lower Mill Pond	MA34048	Easthampton.	30	ACRES	4C
Lower Van Horn Park Pond	MA34129	Springfield.	11	ACRES	4C
Manhan River	MA34-10	Headwaters, northeast of Norwich Pond, Huntington to inlet Tighe Carmody Reservoir, Southampton (thru White Reservoir formely segment MA34100).	6.6	MILES	3
Manhan River	MA34-11	Outlet Tighe Carmody Reservoir, Southampton to mouth at confluence with Connecticut River, Easthampton.	18.9	MILES	5
Metacomet Lake	MA34051	Belchertown.	51	ACRES	5
MILL BROOK	MA34-55	Headwaters, outlet Stevens Swamp, Warwick to mouth at confluence with Connecticut River, Northfield.	7.7	MILES	3
Mill Pond	MA34052	Springfield.	13	ACRES	5
Mill River	MA34-24	Headwaters east of Fisher Hill, Conway to mouth at confluence with the Connecticut River, Hatfield.	24.6	MILES	2
Mill River	MA34-25	Headwaters, outlet Factory Hollow Pond, Amherst to mouth at inlet Lake Warner, Hadley.	5.2	MILES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Mill River	MA34-28	Headwaters (confluence of East and West Branch Mill River, Williamsburg), to outlet Paradise Pond, Northampton.	10	MILES	2
Mill River	MA34-29	Headwaters, outlet Watershops Pond, Springfield to mouth at confluence with Connecticut River, Springfield. (Interrupted stream).	1.3	MILES	5
Mill River Diversion	MA34-32	Headwaters, outlet Paradise Pond, Northampton to mouth at confluence with Oxbow (east of Old Springfield Road), Northampton (thru Hulberts Pond formely segment MA34036).	2.5	MILES	3
Moose Brook	MA34-17	Headwaters, perennial portion, Southampton to mouth at confluence with Manhan River, Southampton.	2.6	MILES	2
Mountain Street Reservoir	MA34056	Williamsburg/Hatfield/Whately.	67	ACRES	3
Nashawannuck Pond	MA34057	Easthampton.	30	ACRES	5
Nine Mile Pond	MA34127	Wilbraham (PALIS/Segment changed from 36107 to 34127, TRD 6/21/02).	33	ACRES	3
Noonan Cove	MA34058	Springfield.	3	ACRES	5
NORTH BRANCH MANHAN RIVER	MA34-54	Headwaters, perennial portion, north of Northwest Road, Westhampton to mouth at confluence with Manhan River, Easthampton/Southampton.	9.2	MILES	2
Northampton Reservoir	MA34059	Whately.	80	ACRES	3
Northfield Mountain Reservoir	MA34061	Erving.	237	ACRES	3
NURSE BROOK	MA34-59	Headwaters, west of Pratt Corner Road, Shutesbury to mouth at confluence with Adams Brook (in small "diversion pool" for Atkins Reservoir), Shutesbury.	1.2	MILES	3
Oxbow	MA34066	The water body west of Route 91 (bounded on the northeast by Route 91, the southeast by the Manhan River, and the west by Old Springfield Road), Northampton/Easthampton (excluding the delineated segment; Danks Pond MA34019).	149	ACRES	5
Oxbow Cutoff	MA34067	The water body north of Island Road and south of Oxbow Road (between Routes 91and 5), Northampton.	49	ACRES	4C
Pine Island Lake	MA34069	Westhampton.	55	ACRES	3
Plympton Brook Pond	MA34071	Wendell.	5	ACRES	3
Porter Lake	MA34073	Springfield.	28	ACRES	5
Porter Lake West	MA34072	Springfield.	5	ACRES	5
Potash Brook	MA34-12	Headwaters, perennial portion, Southampton to confluence with Manhan River, Southampton.	1	MILES	3
Raspberry Brook	MA34-22	From Massachusetts/Connecticut border to mouth at confluence with Connecticut River, Longmeadow.	1.8	MILES	3
RICE BROOK	MA34-47	Headwaters, perennial portion, south of Burt Road, Westhampton to mouth at confluence with Sodom Brook, Westhampton.	1.1	MILES	3
ROARING BROOK	MA34-63	From the outlet of Whately Glen Reservoir (South Deerfield Water Supply Dam, NATID: MA00522), Whatley to mouth at confluence with Mill River, Whately.	1.4	MILES	2
Roberts Meadow Reservoir	MA34076	Northampton.	22	ACRES	3
ROGERS BROOK	MA34-51	Headwaters east of Oak Hill Road near the Goshen/Ashfield border to mouth at confluence with West Branch Mill River, Goshen.	2.6	MILES	3
RUSSELLVILLE BROOK	MA34-62	Headwaters, Route 116, Sunderland (river name changes at bridge from Long Plain Brook SARIS# 3420350) to mouth at confluence with the Connecticut River, Hadley.	4.4	MILES	2

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
SACKET BROOK	MA34-45	Headwaters, perennial portion, north of Southampton Road, Montgomery to mouth at confluence with Manhan River, Southampton.	2.1	MILES	3
Sawmill River	MA34-40	Headwaters, outlet Lake Wyola, Shutesbury to Dudleyville Road, Leverett (formerly part of MA34-26).	2	MILES	3
Sawmill River	MA34-41	Dudleyville Road, Leverett to mouth at confluence with Connecticut River, Montague (formerly part of MA34-26).	11	MILES	2
Sawyer Ponds	MA34078	[North Basin] Northfield.	9	ACRES	3
Sawyer Ponds	MA34079	[South Basin] Northfield.	12	ACRES	3
Scantic River	MA34-30	Massachusetts/Connecticut border, Monson downstream to the Massachusetts/Connecticut border, Hampden.	9.6	MILES	5
SCARBORO BROOK	MA34-46	Headwaters, outlet Scarboro Pond, Belchertown to mouth at confluence with Hop Brook, Belchertown.	2.3	MILES	3
SCHNEELOCK BROOK	MA34-44	Headwaters, west of Newhouse Street, Springfield to mouth at confluence with South Branch Mill River, Springfield.	1.3	MILES	3
SCHOOLHOUSE BROOK	MA34-43	Headwaters, southeast of Connor Reservoir, Holyoke to mouth at confluence with Goldine Brook, West Springfield.	3.1	MILES	3
SHATTUCK BROOK	MA34-57	Headwaters, confluence Keets and Beaver Meadow brooks, Leyden to mouth at confluence with Fall River, Bernardston.	2.4	MILES	3
Silver Lake	MA34084	Agawam.	9	ACRES	3
SODOM BROOK	MA34-53	Headwaters, outlet small unnamed pond north of Crowley Road, Westampton to mouth at confluence with North Branch Manhan River, Westampton.	3.1	MILES	3
Stony Brook	MA34-19	Headwaters, Granby to mouth at confluence with Connecticut River, South Hadley (thru Upper Pond formerly segment MA34095 and Lower Pond formerly segment MA34049).	13.3	MILES	5
Temple Brook	MA34-08	Headwaters, outlet Bradley Pond, Monson to mouth at confluence with Scantic River, Hampden.	3.6	MILES	2
Tighe Carmody Reservoir	MA34089	Southampton.	353	ACRES	3
Tripple Brook	MA34-16	Headwaters, perennial portion, Southampton to mouth at confluence with Manhan River, Southampton.	1	MILES	2
Unnamed Tributary	MA34-31	Headwater, outlet Lake Warner, Hadley to mouth at confluence with Connecticut River, Hadley.	0.5	MILES	3
Unnamed Tributary	MA34-60	Unnamed tributary to the Connecticut River, locally known as 'Willamanett Brook', headwaters, perennial portion, east of Memorial Drive (Route 33), Chicopee to mouth at confluence with Connecticut River, Chicopee (approximatley 1200 feet culverted near mouth).	2.3	MILES	5
Upper Highland Lake	MA34093	Goshen.	51	ACRES	2
Upper Van Horn Park Pond	MA34128	Springfield (Changed from MA36158 to 34128 on 6/21/02, TRD).	8	ACRES	5
Venture Pond	MA34096	Springfield.	7	ACRES	5
Watershops Pond	MA34099	Springfield.	161	ACRES	5
West Branch Mill River	MA34-38	East Street, Goshen to the confluence of Meekin Brook, Williamsburg.	5.9	MILES	2
West Branch Mill River	MA34-39	From the confluence of Meekin Brook, Williamsburg to mouth at confluence with East Branch Mill River (forming headwaters Mill River), Williamsburg.	0.6	MILES	2
WEST BROOK	MA34-58	Headwaters, outlet Northampton Reservoir (Old Northampton Reservoir), Whately to mouth at confluence with Mill River, Hatfield.	4	MILES	3

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Weston Brook	MA34-23	Headwaters, south of State Street (Route 202), Belchertown to mouth at inlet Forge Pond, Granby (WWF applies from the confluence of Lampson Brook in Belchertown to the mouth).	2.7	MILES	5
White Brook	MA34-14	Headwaters, perennial portion, Easthampton to mouth at inlet Nashawannuck Pond, Easthampton.	1.8	MILES	3
Whiting Street Reservoir	MA34101	Holyoke.	102	ACRES	4C
Wilton Brook	MA34-15	Headwaters, perennial portion, Easthampton to outlet RubberThread Pond (formerly segment MA34105) , Easthampton.	1.1	MILES	5
Deerfield					
ALBEE BROOK	MA33-33	Headwaters, north of Dodge Corner Road, Hawley to confluence with Deerfield River, Charlemont.	1	MILES	2
ALLEN BROOK	MA33-34	Headwaters, east of the Shelburne Colrain Road and Route 2 intersection, Shelburne to confluence with Green River, Greenfield.	3.6	MILES	2
Ashfield Pond	MA33001	Ashfield.	38	ACRES	4A
AVERY BROOK	MA33-35	Headwaters, perennial portion south of Colrain Brook Road, Heath to confluence with Deerfield River, Charlemont.	3.7	MILES	2
BASIN BROOK	MA33-36	Headwaters, Kenneth M. Dubuque Memorial State Forest, Hawley to confluence with King Brook, Hawley.	2.2	MILES	2
Bear River	MA33-17	Headwaters west of Barnes Road, Ashfield to confluence with Deerfield River, Conway.	6.9	MILES	5
BLACK BROOK	MA33-37	Headwaters, west of Chapel Road, Savoy to confluence with Cold River, Savoy.	3.3	MILES	2
Bog Pond	MA33003	Savoy.	35	ACRES	3
BORDEN BROOK	MA33-38	Vermont-Massachusetts stateline, Colrain to confluence with Green River, Colrain.	0.6	MILES	2
Bozrah Brook	MA33-13	Headwaters, located west of East Hawley Road, Hawley (drains wetland) to confluence with Deerfield River, Charlemont.	3	MILES	2
BRANDY BROOK	MA33-117	Headwaters east of North County Road, Leyden to confluence with Glen Brook, Leyden.	1.6	MILES	2
BROWN BROOK	MA33-39	Headwaters, perennial portion east of Scott Road, Savoy to confluence with Chickley River, Savoy.	0.4	MILES	2
Burnett Pond	MA33005	Savoy.	18	ACRES	3
BURRINGTON BROOK	MA33-40	Headwaters, east of Sadoga Road, Heath to confluence with West Branch Brook (forming headwaters West Branch North River), Heath.	2	MILES	2
BURTON BROOK	MA33-41	Vermont-Massachusetts stateline, Rowe to confluence with West Branch Brook, Heath.	1.3	MILES	2
CARY BROOK	MA33-42	Perennial portion north of East Catamount Hill Road, Colrain to confluence with West Branch North River, Colrain.	0.5	MILES	2
CASCADE BROOK	MA33-43	Headwaters, perennial portion southeast of Moore Road, Florida to confluence with Deerfield River, Florida.	1.8	MILES	2
CHAPEL BROOK	MA33-44	Outlet of unnamed pond, Ashfield to confluence with Poland Brook, Conway.	3.4	MILES	2
CHERRY RUM BROOK	MA33-97	Headwaters, northeast of Stoneleigh Burnham Drive, Greenfield to confluence with Green River, Greenfield.	2.1	MILES	5
Chickley River	MA33-11	Headwaters Savoy Mountain State Forest, Savoy to confluence with Deerfield River, Charlemont.	11.1	MILES	2

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Clark Brook	MA33-16	Headwaters, near Moonshine Road (Howes Road)/East Buckland Road, Buckland to confluence with Clesson Brook, Buckland.	3.8	MILES	2
Clesson Brook	MA33-15	Outlet of unnamed pond south of Forget Road, Hawley through Cox Pond to confluence with Deerfield River, Buckland.	10.3	MILES	2
Cold River	MA33-05	Source in Florida to confluence with Deerfield River, Charlemont.	13.7	MILES	2
COOLEY BROOK	MA33-45	Headwaters, north of La Belle Road, Hawley to confluence with Clesson Brook, Buckland.	1.5	MILES	2
CREAMERY BROOK	MA33-46	Headwaters, perennial portion west of Steady Line Road, Ashfield to confluence with South River, Ashfield.	2.4	MILES	2
DAVENPORT BROOK	MA33-111	Headwaters outlet Papoose Lake, Heath to confluence with Kinsman Brook forming headwaters Taylor Brook, Heath.	0.9	MILES	2
Davis Mine Brook	MA33-18	Headwaters, south of Dell Road, Rowe to confluence with Mill Brook, Charlemont.	3.3	MILES	5
Deerfield River	MA33-01	Outlet Sherman Reservoir Monroe/Rowe, to confluence with Cold River, Charlemont (through former segment, Lower Reservoir MA33028).	13.1	MILES	4C
Deerfield River	MA33-02	Confluence with Cold River, Charlemont to confluence with North River, Charlemont/Shelburne.	11.4	MILES	2
Deerfield River	MA33-03	Confluence with North River, Charlemont/Shelburne to confluence with Green River, Greenfield.	16.8	MILES	5
Deerfield River	MA33-04	Confluence with Green River, Greenfield to confluence with Connecticut River, Greenfield/Deerfield.	2	MILES	5
DICKENSON BROOK	MA33-120	Headwaters west of Sumner Stetson Road, Heath to confluence with West Branch Brook, Heath.	0.7	MILES	2
Dragon Brook	MA33-20	Headwaters, perennial portion north of Patten Road, Shelburne to confluence with the Deerfield River, Shelburne.	4.4	MILES	5
Drakes Brook	MA33-23	Headwaters, (perennial portion) west of North Warger Road, Ashfield to confluence with Bear River, Conway.	2.3	MILES	2
DUNBAR BROOK	MA33-48	Vermont-Massachusetts stateline, Monroe to confluence with Deerfield River, Monroe.	5.6	MILES	2
East Branch North River	MA33-19	Vermont line, Colrain to confluence with West Branch North River, Colrain.	7.5	MILES	5
EAST GLEN BROOK	MA33-49	Headwaters, perennial portion north of East Glen Road, Leyden to inlet of Upper Greenfield Reservoir (Glen Brook Upper Reservoir), Leyden.	1.9	MILES	2
EAST OXBOW BROOK	MA33-72	Headwaters, perennial portion east of Deer Run Lane, Charlemont to confluence with Deerfield River, Charlemont.	1.4	MILES	2
FIFE BROOK	MA33-50	Headwaters, perennial portion southwest of Spruce Mountain in the Monroe State Forest, Monroe to confluence with Deerfield River, Florida.	2.6	MILES	2
Foundry Brook	MA33-25	Headwaters north of Calvin Coombs Road, Colrain to confluence with East Branch North River, Colrain.	2.8	MILES	2
FOX BROOK	MA33-51	From the outlet of Fox Brook Upper Reservoir, Colrain to confluence with North River, Colrain.	0.8	MILES	2
Fox Brook Upper Reservoir	MA33006	Colrain.	3	ACRES	3
FULLER BROOK	MA33-118	Perennial portion in Debuque State Forest, Hawley to confluence with Chickley River, Hawley.	0.9	MILES	2

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
GLEN BROOK	MA33-52	Headwaters, east of Brattleboro Road, Leyden to inlet of Upper Greenfield Reservoir (Glen Brook Upper Reservoir), Leyden.	3.5	MILES	2
GLEN BROOK	MA33-96	Outlet of Upper Greenfield Reservoir, Leyden to confluence with Green River, Greenfield.	3.2	MILES	2
Goodnow Road Pond	MA33007	Buckland.	11	ACRES	3
GRANGER BROOK	MA33-53	Headwaters, west of Bliss Road, Florida to confluence with Dunbar Brook, Monroe.	1.2	MILES	2
GREAT BROOK	MA33-54	Headwaters, perennial portion west at Zerah Fiske Road, Shelburne to confluence with Hawkes Brook, Shelburne.	1.2	MILES	2
Green River	MA33-28	Vermont line, Colrain to water supply dam north of Eunice Williams Drive (Pumping Station Dam, National ID MA02291), Greenfield (formerly part of MA33-09).	8.4	MILES	2
Green River	MA33-29	From water supply dam north of Eunice Williams Drive (Pumping Station Dam, National ID MA02291), Greenfield to the Swimming Pool #2 Dam (National Dam ID MA02321) northwest of Nashs Mill Road, Greenfield (formerly part of MA33-09).	4.6	MILES	2
Green River	MA33-30	From Swimming Pool #2 Dam (National Dam ID MA02321) northwest of Nashs Mill Road, Greenfield to confluence with the Deerfield River, Greenfield (formerly segment MA33-10 and part of segment MA33-09) (HQW applies upstream of former Greenfield WWTF discharge (NPDES# MA0101214), from approximately 0.5 mile upstream of mouth).	3.7	MILES	5
GREEN RIVER	MA33-55	Headwaters, perennial portion in Florida State Forest west of Blackstone Road, Florida to confluence with Cold River, Florida.	1.3	MILES	2
GULF BROOK	MA33-56	Outlet of Burnett Pond, Savoy to confluence with Cold River, Savoy.	3.5	MILES	2
HALEY BROOK	MA33-57	Headwaters north of Main Street, Monroe to confluence with Dunbar Brook, Monroe.	1.5	MILES	2
Hallockville Pond	MA33009	Plainfield/Hawley.	18	ACRES	3
HARTWELL BROOK	MA33-58	Headwaters, south of South Heath Road, Charlemont to confluence with Deerfield River, Charlemont.	2.1	MILES	2
HAWKES BROOK	MA33-112	Headwaters east of Zerah Fiske Road, Shelburne to confluence with Dragon Brook, Shelburne.	1.2	MILES	2
HEATH BROOK	MA33-59	Headwaters, south of West Main Street, Heath to confluence with Mill Brook, Heath.	1	MILES	2
HIBBARD BROOK	MA33-60	Headwaters, north of West Leyden Road, Leyden to confluence with Green River, Leyden.	1.5	MILES	2
Highland Pond	MA33032	Greenfield.	2	ACRES	3
Hinsdale Brook	MA33-21	Headwaters east of Fiske Mill Road, Shelburne to confluence with Punch Brook, Greenfield.	2.8	MILES	5
HORSEFORDS BROOK	MA33-62	Headwaters, west of Bannis Road, Savoy to confluence with Chickley River, Savoy.	1.9	MILES	2
JOHNNY BEAN BROOK	MA33-63	Headwaters, Poland Brook State Wildlife Management Area, Conway to confluence with South River, Conway.	1.7	MILES	2
JOHNSON BROOK	MA33-131	Headwaters, west of Route 112 (Main Road) and northeast at Houghton Hill, Colrain to the mouth at confluence with North River, Colrain.	1.4	MILES	4C

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
KATLEY BROOK	MA33-99	Headwaters, east of Kately Hill, Leyden to confluence with Green River, Leyden.	1.3	MILES	2
KING BROOK	MA33-64	Outlet Hallockville Pond, Hawley to confluence with Chickley River, Hawley.	2.1	MILES	2
KINSMAN BROOK	MA33-124	Headwaters north of Colrain Stage Road, Heath to confluence with Davenport Brook forming headwaters Taylor Brook, Heath.	1.8	MILES	3
LEGATE HILL BROOK	MA33-65	Headwaters, perennial portion north of Blueberry Peak, Charlemont to confluence with Deerfield River, Charlemont.	3.4	MILES	2
MANNING BROOK	MA33-66	Headwaters, north of South County Road, Florida to confluence with Cold River, Florida.	1.4	MILES	2
MAXWELL BROOK	MA33-67	Headwaters, located north of Tatro Road, Rowe to confluence with Mill Brook, Charlemont.	3.2	MILES	2
Maynard Pond	MA33011	Greenfield.	3	ACRES	3
MCCARD BROOK	MA33-68	Headwaters, east of Oak Hill Road, Leyden to confluence with Mill Brook, Greenfield.	2.1	MILES	2
McLeod Pond	MA33012	Colrain.	41	ACRES	3
MEADOW BROOK	MA33-130	Headwaters, outlet McLeod Pond, Colrain to mouth at confluence with North River, Colrain.	1.2	MILES	2
Mill Brook	MA33-14	Headwaters, originating north of Rowe Road, Heath to confluence with the Deerfield River, Charlemont.	5.7	MILES	2
MILL BROOK	MA33-69	Headwaters, outlet Beaver Pond, Hawley to confluence with Chickley River, Hawley.	4.1	MILES	2
MILL BROOK	MA33-70	Headwaters, north of West Mountain Road, Bernardston to confluence with Cherry Rum Brook, Greenfield.	8.4	MILES	5
Mt. Brook Reservoir	MA33024	Colrain.	1	ACRES	3
Newell Pond	MA33013	Greenfield.	0.9	ACRES	3
NORTH BROOK	MA33-126	Perennial portion north of Harwood Road, Hawley to confluence with Chickley River, Hawley.	1.2	MILES	3
North Pond	MA33014	Florida.	19	ACRES	2
North River	MA33-06	From confluence of East and West branches of the North River, Colrain to confluence with Deerfield River, Shelburne/Charlemont. (Segment changed 1997 - East Branch no longer included in length) (HQW applies upstream of Barnhardt discharge (NPDES# MA0003697)).	3.3	MILES	2
NYE BROOK	MA33-71	Headwaters, perennial portion north of Guinea Gulf (Conway State Forest), Conway to confluence with Poland Brook, Conway.	0.7	MILES	2
Papoose Lake	MA33023	Heath.	14	ACRES	3
PARSONAGE BROOK	MA33-123	Headwaters north of Main Road, Monroe to confluence with Dunbar Brook, Monroe.	1.5	MILES	2
Pelham Brook	MA33-12	Headwaters outlet Pelham Lake, Rowe to confluence with Deerfield River, Charlemont.	4.8	MILES	2
Pelham Lake	MA33016	Rowe.	80	ACRES	5
PHELPS BROOK	MA33-73	Perennial portion, north of Main Road, Monroe to inlet of Phelps Brook Reservoir, Monroe.	1.2	MILES	2
Phelps Brook Reservoir	MA33030	Monroe.	0.05	ACRES	3
Plainfield Pond	MA33017	Plainfield.	60	ACRES	4A

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
POLAND BROOK	MA33-74	Confluence with Chapel Brook, Conway to confluence with South River, Conway.	2.6	MILES	2
POTASH BROOK	MA33-75	Headwaters, Cranberry Swamp, Hawley (drains wetland) to confluence with Mill Brook, Hawley.	1.4	MILES	2
Pumpkin Hollow Brook	MA33-32	Headwaters north of Conway State Forest and south of Old Cricket Hill Road, Conway to confluence with South River, Conway.	2.3	MILES	2
PUNCH BROOK	MA33-100	Headwaters, perennial portion east of Smead Road, Shelburne to confluence with Green River, Greenfield.	2.1	MILES	2
RICE BROOK	MA33-125	Perennial portion east of Legate Hill Road, Charlemont to confluence with Deerfield River, Charlemont.	3.1	MILES	3
RICE BROOK	MA33-76	Headwaters, north of Hazelton Road, Rowe to confluence with Pelham Brook, Rowe.	1.2	MILES	2
ROBERTS BROOK	MA33-77	Headwaters, east of Hosmer Road, Heath to confluence with West Branch North River, Colrain.	1	MILES	2
ROSS BROOK	MA33-78	Headwaters, south of Tannery Road, Savoy to confluence with Tannery Brook, Savoy.	2	MILES	2
RUDDOCK BROOK	MA33-79	Headwaters, west of Dodge Corner Road, Hawley to confluence with Clesson Brook, Buckland.	1.1	MILES	2
SANDERS BROOK	MA33-80	Vermont/Massachusetts border, Heath to confluence with West Branch North River, Colrain.	2.8	MILES	2
SCHNECK BROOK	MA33-113	Headwaters, north of Wilder Hill Road, Conway to confluence with the Deerfield River, Conway.	2	MILES	2
SHELDON BROOK	MA33-81	Headwaters, south of Old Albany Road, Shelburne to confluence with Deerfield River, Deerfield/Greenfield.	1.4	MILES	2
Sherman Reservoir	MA33018	Massachusetts portion only. Rowe/Monroe.	72	ACRES	5
Shingle Brook	MA33-22	Headwaters north of Guy Manners Road, Shelburne to confluence with the Deerfield River, Deerfield.	2.8	MILES	2
SIDS BROOK	MA33-82	Headwaters, perennial portion north of Baptist Corner Road, Ashfield to confluence with Drakes Brook, Conway.	1.7	MILES	2
SLUICE BROOK	MA33-83	Headwaters, north of Tower Road, Shelburne to confluence with Deerfield River, Shelburne.	3.3	MILES	2
SMEAD BROOK	MA33-84	Headwaters, east of Old Albany Road, Greenfield to confluence with Wheeler Brook, Greenfield.	1.7	MILES	2
Smith Brook	MA33-26	Headwaters, outlet Upper Reservoir, Ashfield to confluence with Clesson Brook, Buckland.	2.7	MILES	2
South Pond	MA33019	Savoy.	29	ACRES	2
South River	MA33-07	Headwaters, outlet Ashfield Pond, Ashfield to Emments Road, Ashfield.	2.3	MILES	5
SOUTH RIVER	MA33-101	Emments Road, Ashfield to confluence with Johnny Bean Brook, Conway (formerly part of MA33-08).	6.1	MILES	5
SOUTH RIVER	MA33-102	From confluence with Johnny Bean Brook, Conway to confluence with Deerfield River, Conway (formerly part of MA33-08), (through South River Impoundment formerly segment MA33022).	6.8	MILES	5
SPUR BROOK	MA33-106	Headwaters, outlet small pond just west at intersection of Christian Hill Road and Thompson Road, Colrain to confluence with East Branch North River, Colrain.	2	MILES	2

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
STAFFORD BROOK	MA33-98	Headwaters, perennial portion south of East Colrain Road, Colrain to confluence with Green River, Colrain.	1.4	MILES	2
STAPLES BROOK	MA33-121	Headwaters east of Spruce Hill, North Adams to confluence Tower Brook, Florida.	1.4	MILES	2
STEELE BROOK	MA33-85	Headwaters, perennial portion north of Tunnel Road, Rowe to confluence with Pelham Brook, Rowe.	1.7	MILES	2
STEWART BROOK	MA33-132	Perennial portion north of Wilson Graves Road, Shelburne to mouth at confluence with Hinsdale Brook, Shelburne.	1	MILES	2
TANNERY BROOK	MA33-86	Outlet of Tannery Pond, Savoy to confluence with Gulf Brook, Savoy.	0.7	MILES	2
Tannery Pond	MA33020	Savoy.	0.5	ACRES	3
Taylor Brook	MA33-31	From the confluence of Kinsman Brook and Davenport Brook, Heath to confluence with West Branch North River, Colrain.	2.6	MILES	2
TILTON BROOK	MA33-119	Headwaters in Savoy Mountain State Forest, west of Bannis Road, Savoy to confluence with Chickley River, Savoy.	2	MILES	2
Tissdell Brook	MA33-24	Headwaters perennial portion east of Christian Hill Cemetary, Colrain to confluence with West Branch North River, Colrain.	1.7	MILES	2
TODD BROOK	MA33-127	Headwaters east of Coon Hill, Charlemont to confluence with Deerfield River, Charlemont.	1.2	MILES	3
TOWER BROOK	MA33-87	Headwaters, west of Central Shaft Road, Florida (drains wetland) to confluence with Cold River, Florida.	1.9	MILES	2
TROUT BROOK	MA33-88	Headwaters, perennial portion west of Hawks Mountain, Charlemont/Hawley to confluence with Cold River, Charlemont.	0.6	MILES	2
TUTTLE BROOK	MA33-129	Headwaters east of Leshures Road, Rowe to mouth at confluence with Potter Brook, Rowe.	2	MILES	2
Unnamed Tributary	MA33-103	Unnamed tributary to Hinsdale Brook, perennial portion east of Little Mohawk Road, Shelburne to confluence with Hinsdale Brook, Shelburne.	1.9	MILES	2
Unnamed Tributary	MA33-104	Unnamed tributary to an unnamed tributary to Hinsdale Brook from Shearer Pond Dam (National Dam ID MA01531), Colrain to confluence with an unnamed tributary to Hinsdale Brook, Shelburne.	0.9	MILES	2
Unnamed Tributary	MA33-105	Unnamed tributary to Glen Brook, headwaters north of Oak Hill Road, Leyden to confluence Glen Brook, Greenfield.	1.9	MILES	2
Unnamed Tributary	MA33-107	Unnamed tributary to the East Branch North River, headwaters south of Fairbanks Road, Colrain to the confluence of the East Branch North River, Colrain.	1.7	MILES	2
Unnamed Tributary	MA33-108	Unnamed tributary to East Branch North River, headwaters outlet Mt. Brook Reservoir, Colrain to confluence with East Branch North River, Colrain.	1.4	MILES	2
Unnamed Tributary	MA33-109	Unnamed tributary to West Branch North River, headwaters west of Wilson Hill Road, Colrain to confluence with West Branch North River, Colrain.	1.4	MILES	2
Unnamed Tributary	MA33-110	Unnamed tributary to Taylor Brook, headwaters, Catamount State Forest, Colrain to confluence Taylor Brook, Colrain.	1.5	MILES	2
Unnamed Tributary	MA33-114	Headwaters east of Pine Hill Road, Conway to confluence with South River, Conway.	1	MILES	2

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Unnamed Tributary	MA33-115	Unnamed tributary to Chapel Brook, headwaters west of Bird Hill Road, Ashfield to confluence with Chapel Brook, Ashfield.	1.5	MILES	2
Unnamed Tributary	MA33-116	Unnamed tributary to Clesson Brook, headwaters north of Avery Road, Buckland to confluence with Clesson Brook, Buckland.	1.8	MILES	2
Unnamed Tributary	MA33-128	Unnamed tributary to Deerfield River known as 'Bear Swamp Outflow', from headwaters north of Tunnel Road, Rowe to confluence with Deerfield River, Rowe.	1.3	MILES	3
Unnamed Tributary	MA33-133	Unnamed tributary to the Deerfield River from headwaters, outlet Goodnow Road Pond, Buckland to mouth at confluence with the Deerfield River, Buckland.	1.5	MILES	2
Unnamed Tributary	MA33-134	Unnamed tributary to East Branch North River from headwaters east of Franklin Hill Road and southwest at Franklin Hill, Colrain to mouth at confluence with East Branch North River, Colrain.	0.7	MILES	2
Unnamed Tributary	MA33-61	Unnamed tributary to Clark Brook locally known as "Hog Hollow Brook", headwaters north of Bray Road, Buckland to confluence with Clark Brook, Buckland.	1.1	MILES	2
Upper Greenfield Reservoir	MA33021	Leyden.	6	ACRES	3
Upper Highland Springs Reservoir	MA33025	Ashfield.	2	ACRES	3
Upper Reservoir Bear Swamp	MA33026	Rowe.	108	ACRES	3
VINCENT BROOK	MA33-89	Headwaters, perennial portion east of Stetson Brothers Road, Colrain to confluence with West Branch North River, Colrain.	1	MILES	2
WEST BRANCH BROOK	MA33-90	Headwaters, Vermont-Massachusetts stateline, Heath to confluence with Burrington Brook (forming headwaters West Branch North River), Heath.	5.4	MILES	2
West Branch North River	MA33-27	Headwaters, confluence of West Branch Brook and Burrington Brook, Heath to confluence with East Branch North River, forming headwaters North River, Colrain.	7.2	MILES	2
WHEELER BROOK	MA33-95	Headwaters, south of Old Greenfield Road, Shelburne to confluence with Green River, Greenfield.	2.5	MILES	2
WHITCOMB BROOK	MA33-91	Headwaters, perennial portion east of Whitcomb Hill Road, Florida to confluence with Deerfield River, Florida.	0.6	MILES	2
WHITE BROOK	MA33-122	Headwaters east of Olson Road, Florida to confluence with the Cold River, Florida.	1.6	MILES	2
WILDER BROOK	MA33-92	Headwaters, east of Flagg Hill Road, Heath to confluence with Deerfield River, Charlemont.	2.9	MILES	2
WILLIS BROOK	MA33-93	Headwaters, perennial portion south of South Road, Heath to confluence with Hartwell Brook, Charlemont.	1.6	MILES	2
WORKMAN BROOK	MA33-94	Headwaters, perennial portion west of East Colrain Road, Colrain (drains wetland) to confluence with Green River, Colrain.	1.4	MILES	2
Farmington					
BABCOCK BROOK	MA31-32	Headwaters west of Amos Case Road, Tolland to mouth at confluence with Hall Pond Brook (forming headwaters Hubbard Brook), Tolland.	3.3	MILES	2
Benton Brook	MA31-11	Headwaters, drainage from Hayden Swamp, Otis to mouth at confluence with the West Branch Farmington River, Otis.	5.2	MILES	5
Benton Pond	MA31003	Otis.	61	ACRES	4C
Big Pond	MA31004	Otis.	325	ACRES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
BRADLEY BROOK	MA31-37	Headwaters, perennial portion, west of Ridgeview Terrace, Southwick to MA/CT border, Southwick.	1.4	MILES	3
BUCK RIVER	MA31-38	Headwaters draining wetland just south of Morley Hillard Crank Road, Sandisfield to inlet Abbey Lake, Sandisfield (formerly part of segment MA31-12).	1.7	MILES	3
BUCK RIVER	MA31-39	Outlet Abbey Lake, Sandisfield to mouth at confluence with Clam River, Sandisfield (formerly part of segment MA31-12).	4.1	MILES	2
CHERRY BROOK	MA31-18	Headwaters, perennial portion, north of York Lake Road, Sandisfield to mouth at confluence with Sandy Brook, Sandisfield.	2.4	MILES	3
Clam River	MA31-03	Headwaters, perennial portion, outlet small unnamed pond, Otis to mouth at confluence with West Branch Farmington River, Sandisfield (excluding the 0.8 miles thru the Clam Lake Dam (NATID: MA01052) impoundment).	7.9	MILES	2
Cone Brook	MA31-08	Headwaters, drainage from Angerman Swamp in Beartown State Forest, Otis to mouth at inlet Hayden Pond, Otis.	2.1	MILES	2
Cranberry Pond	MA31008	Tolland.	75	ACRES	3
CRANBERRY POND BROOK	MA31-21	Headwaters, outlet Cranberry Pond, Tolland to mouth at confluence with Slocum Brook, Tolland.	1.6	MILES	5
Creek Pond	MA31009	(Watson Pond) Otis.	52	ACRES	3
Dimmock Brook	MA31-10	Outlet of Dimmock Brook Pond, Otis to mouth at confluence with West Branch Farmington River, Otis.	1	MILES	2
Dimmock Brook Pond	MA31010	Otis.	15	ACRES	3
EAST BRANCH SALMON BROOK	MA31-40	Headwaters, perennial portion, Granville to MA/CT border, Granville.	0.1	MILES	2
ELLIS BROOK	MA31-35	Headwaters, outlet Shaughnessy Swamp, north of Route 57, Granville to mouth at confluence with Valley Brook, Granville.	0.8	MILES	3
Fall River	MA31-02	Headwaters, outlet Larkum Pond, Otis to mouth at confluence with West Branch Farmington River, Otis.	0.8	MILES	2
HALFWAY BROOK	MA31-31	Headwaters, outlet of wetland in Granville State Forest, Tolland to mouth at confluence with Hubbard Brook, Granville.	1.8	MILES	2
HALL POND BROOK	MA31-34	Headwaters, outlet Hall Pond, Tolland to mouth at confluence with Babcock Brook (forming headwaters Hubbard Brook), Tolland.	2.3	MILES	3
Hayden Pond	MA31016	Otis.	28	ACRES	3
Hubbard Brook	MA31-16	Headwaters, confluence Babcock Brook and Hall Pond Brook, Tolland to MA/CT border Granville.	4	MILES	2
Long Bow Lake	MA31019	Becket.	26	ACRES	3
Lower Spectacle Pond	MA31020	Sandisfield.	70	ACRES	3
MINER BROOK	MA31-28	Headwaters, outlet wetland east of North Beech Plain Road, Sandisfield to mouth at confluence with West Branch Farmington River, Sandisfield.	1.5	MILES	2
MOODY BROOK	MA31-23	Headwaters, outlet Trout Pond, Tolland to mouth at confluence with West Branch Farmington River, Sandisfield.	1.8	MILES	2
NORTH BRANCH SILVER BROOK	MA31-25	Headwaters, outlet Atwater Pond, Sandisfield to mouth at confluence with South Branch Silver Brook (forming headwaters Silver Brook), Sandisfield.	3.2	MILES	3
NORTH BROOK	MA31-41	Headwaters, outlet unnamed pond north of Roberts Road, Sandisfield to MA/CT border, Sandisfield.	0.9	MILES	2

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Noyes Pond	MA31026	Tolland.	166	ACRES	4C
Otis Reservoir	MA31027	Otis/Tolland/Blandford.	989	ACRES	4A
PALMER BROOK	MA31-29	Headwaters, outlet Palmer Brook Dam (NATID: MA00205), Becket to mouth at inlet Ward Pond, Becket.	2.1	MILES	5
POND BROOK	MA31-30	Headwaters, outlet Parsons Pond, Granville to mouth at confluence with Hubbard Brook, Granville.	4.6	MILES	2
POND BROOK	MA31-33	Headwaters, outlet Noyes Pond, Tolland to mouth at confluence with Babcock Brook, Tolland.	2	MILES	5
POTASH BROOK	MA31-36	Headwaters, outlet wetland east of North Lane, Granville to mouth at confluence with Valley Brook, Granville.	1.3	MILES	3
RICHARDSON BROOK	MA31-24	Headwaters, north of New Boston Road (Route 57), Tolland to mouth at confluence with Moody Brook, Tolland.	1.3	MILES	2
RIISKA BROOK	MA31-17	Headwaters, perennial portion, west of New Hartford Road, Sandisfield to mouth at confluence with Sandy Brook, Sandisfield.	2.1	MILES	2
Royal Pond	MA31034	Otis/Monterey.	7	ACRES	3
Sandy Brook	MA31-14	Headwaters, outlet York Lake, New Marlborough to MA/CT border Sandisfield.	4.9	MILES	2
Shales Brook	MA31-04	Source north of Tyringham Road, Becket to mouth at inlet Shaw Pond, Becket.	1.2	MILES	2
Shaw Pond	MA31036	Becket/Otis.	80	ACRES	5
Silver Brook	MA31-13	Headwaters, confluence of North Branch and South Branch Silver Brook, Sandisfield to mouth at confluence with Clam River, Sandisfield.	1	MILES	2
Silver Shield Pond	MA31054	Becket.	10	ACRES	3
SLOCUM BROOK	MA31-19	Headwaters, outlet small unnamed wetland pond south of Hartland Road, Tolland to MA/CT border, Tolland.	3.3	MILES	2
SOUTH BRANCH SILVER BROOK	MA31-26	Headwaters, perennial portion north of Fox Road, Sandisfield to mouth at confluence with North Branch Silver Brook (forming headwaters Silver Brook), Sandisfield.	1.3	MILES	2
SPECTACLE POND BROOK	MA31-27	Headwaters, south of West Center Road, Otis to mouth at inlet Upper Spectacle Pond, Otis.	1.5	MILES	5
TAYLOR BROOK	MA31-20	Headwaters, west of Clubhouse Road, Tolland to mouth at confluence with Slocum Brook, Tolland.	3.3	MILES	2
Thomas Brook	MA31-06	Headwaters, outlet Thomas Pond, Becket to mouth at confluence with unnamed tributary to Hayden Pond, Otis.	0.8	MILES	5
THORP BROOK	MA31-22	Headwaters, east of Dodds Mountain, south of Sears Road, Sandisfield to mouth at confluence with West Branch Farmington River, Sandisfield.	2.7	MILES	2
Unnamed Tributary	MA31-05	Unnamed tributary to Shaw Pond, source in wetlands southwest of Route 90 and east of Route 20, Becket to mouth at inlet Shaw Pond, Becket (excluding "gravel pit" pond).	1.3	MILES	3
Unnamed Tributary	MA31-07	Source, outlet Shaw Pond, Becket/Otis to mouth at inlet Hayden Pond, Otis.	0.9	MILES	2
Unnamed Tributary	MA31-09	Unnamed tributary to West Branch Farmington River, source north of Route 23 and east of Harrington Road, Otis to mouth at confluence with West Branch Farmington River, Otis.	2	MILES	2
Upper Spectacle Pond	MA31044	Sandisfield/Otis.	53	ACRES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Valley Brook	MA31-15	Source, northwest of Holden Hill, Granville to MA/CT border, Granville.	5.9	MILES	2
Ward Pond	MA31047	Becket.	27	ACRES	3
West Branch Farmington River	MA31-01	Headwaters, outlet Hayden Pond, Otis to the MA/CT border in the Colebrook Reservoir, Sandisfield/Tolland.	16.1	MILES	5
West Lake	MA31050	Sandisfield.	60	ACRES	3
White Lily Pond	MA31051	Otis.	62	ACRES	3
York Lake	MA31052	New Marlborough.	29	ACRES	5
French					
Bartons Brook	MA42-08	Headwaters, outlet Stiles Reservoir, Leicester to mouth at inlet Greenville Pond West, Leicester.	1.1	MILES	3
Bouchard Pond	MA42003	Leicester.	2	ACRES	4C
Buffum Pond	MA42004	Charlton/Oxford.	23	ACRES	4C
Buffumville Lake	MA42005	Charlton/Oxford.	199	ACRES	4A
Burncoat Brook	MA42-07	Headwaters, outlet Bouchard Pond, Leicester to mouth at confluence with Town Meadow Brook, Leicester (through former pond segment Ballard Hill Pond MA42069).	1	MILES	5
Burncoat Pond	MA42007	Leicester/Spencer.	115	ACRES	3
Carbuncle Pond	MA42008	Oxford.	11	ACRES	5
Cedar Meadow Pond	MA42009	Leicester.	140	ACRES	4C
Dresser Hill Pond	MA42014	Charlton.	8	ACRES	4A
Dutton Pond	MA42015	Leicester.	6	ACRES	4A
Easterbrook Pond	MA42017	Dudley.	5	ACRES	3
French River	MA42-03	Headwaters, outlet Greenville Pond, Leicester to the outlet of Thayers Pond, Oxford (excluding approximately 0.6 miles through Rochdale Pond segment MA42048) (through former pond segments Texas Pond MA42058 and Thayers Pond MA42059).	3.8	MILES	5
French River	MA42-04	From dam (NAT ID: MA01946) just upstream of Clara Barton Road, Oxford, to dam (NAT ID: MA00108) at North Village, Webster/Dudley.	9.6	MILES	5
French River	MA42-05	Dam (NAT ID: MA00108) at North Village, Webster/Dudley to Webster WWTP outfall (NPDES: MA0100439) , Webster/Dudley.	2.4	MILES	5
French River	MA42-06	Webster WWTP outfall (NPDES: MA0100439) , Webster/Dudley to state line, Dudley, MA/Thompson,CT.	1	MILES	5
Gore Pond	MA42018	Dudley/Charlton.	169	ACRES	4A
Granite Reservoir	MA42019	Charlton.	207	ACRES	4C
Greenville Pond	MA42023	Leicester.	31	ACRES	4A
Greenville Pond West	MA42022	Leicester.	6	ACRES	3
Grindstone Brook	MA42-18	Headwaters outlet Henshaw Pond, Leicester to mouth at inlet Rochdale Pond, Leicester.	2.3	MILES	5
Hayden Pond	MA42024	Dudley.	44	ACRES	3
Henshaw Pond	MA42025	Leicester.	37	ACRES	3
Hudson Pond	MA42029	Oxford/Sutton.	15	ACRES	4A
Hultered Pond	MA42072	Charlton.	4	ACRES	3
Jones Pond	MA42030	Charlton/Spencer.	30	ACRES	4A
Larner Pond	MA42068	Dudley.	27	ACRES	4C
Little Nugget Lake	MA42032	Charlton.	13	ACRES	3

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Little River	MA42-13	Headwaters, outlet Pikes Pond, Charlton to inlet Buffumville Lake, Charlton (formerly part of segment MA42-09).	3.5	MILES	5
Little River	MA42-14	Outlet Buffum Pond, Oxford to mouth at confluence with French River, Oxford (formerly part of segment MA42-09).	1.3	MILES	3
Low Pond	MA42033	Dudley.	4	ACRES	4C
Lowes Pond	MA42034	Oxford.	33	ACRES	4A
McKinstry Pond	MA42035	Oxford.	16	ACRES	4A
Merino Pond	MA42036	Dudley.	75	ACRES	3
Mill Brook	MA42-10	Headwaters, outlet Webster Lake, Webster to mouth at confluence with French River, Webster.	1.2	MILES	2
Mine Brook	MA42-16	Headwaters (perennial portion), Webster to mouth at inlet Club Pond, Webster.	1.4	MILES	3
Mosquito Pond	MA42060	Dudley.	11	ACRES	4C
New Pond	MA42037	Dudley.	33	ACRES	3
Nipmuck Pond	MA42039	Webster.	20	ACRES	3
Packard Pond	MA42040	Dudley.	6	ACRES	4C
Peter Pond	MA42042	Dudley.	42	ACRES	3
Pierpoint Meadow Pond	MA42043	Dudley/Charlton.	95	ACRES	4C
Pikes Pond	MA42044	Charlton.	28	ACRES	4A
Putnam Pond	MA42046	Charlton.	20	ACRES	3
Robinson Pond	MA42047	Oxford.	99	ACRES	3
Rochdale Pond	MA42048	Leicester.	43	ACRES	4A
Sargent Pond	MA42049	Leicester.	65	ACRES	4C
Shepherd Pond	MA42051	Dudley.	16	ACRES	4C
Slaters Pond	MA42053	Oxford.	105	ACRES	3
Snow Pond	MA42054	Charlton.	1	ACRES	3
Stiles Reservoir	MA42055	Spencer/Leicester.	309	ACRES	3
Sucker Brook	MA42-15	Headwaters, outlet Nipmuck Pond, Webster to mouth at inlet Club Pond, Webster.	1.7	MILES	5
Town Meadow Brook	MA42-02	Headwaters, outlet Dutton Pond, Leicester to mouth at inlet Greenville Pond, Leicester.	1.9	MILES	3
Unnamed Tributary	MA42-01	Unnamed tributary to Town Meadow Brook, outlet Sargent Pond, Leicester to inlet Dutton Pond, Leicester.	0.5	MILES	2
Unnamed Tributary	MA42-12	Unnamed tributary to Wellington Brook, perennial portion from Depot Road, Oxford to confluence with Wellington Brook, Oxford.	0.2	MILES	3
Unnamed Tributary	MA42-19	Unnamed tributary to the French River on the 1982 USGS quad as 'Lowes Brook' , from the outlet of Lowes Pond, Oxford to mouth at confluence with French River, Oxford.	1.3	MILES	3
Unnamed Tributary	MA42-20	Unnamed tributary to South Fork locally known as 'Potters Brook', from outlet of Old Mill Pond Dam ((NAT ID: MA01833), Charlton to mouth at confluence with South Fork, Charlton.	0.9	MILES	3
Wallis Pond	MA42062	Dudley.	24	ACRES	4A
Watson Millpond	MA42063	Spencer.	2	ACRES	3
Webster Lake	MA42064	Webster.	1275	ACRES	5
Wee Laddie Pond	MA42065	Charlton.	6	ACRES	3

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Wellington Brook	MA42-11	Headwaters south of Cedar Street, Auburn to mouth at confluence with French River, Oxford.	3.4	MILES	5
Housatonic					
Anthony Brook	MA21-10	Headwaters, outlet Anthony Pond, Dalton to mouth at confluence with Wahconah Falls Brook, Dalton.	2.6	MILES	3
Ashley Lake	MA21003	Washington.	94	ACRES	3
Ashmere Lake	MA21005	Hinsdale/Peru.	294	ACRES	4C
Benedict Pond	MA21011	Great Barrington/Monterey.	37	ACRES	2
Cady Brook	MA21-12	Headwaters, northwest corner Peru, to mouth at inlet of Windsor Reservoir, Hinsdale.	3.5	MILES	2
Card Pond	MA21015	West Stockbridge.	11	ACRES	3
CHURCHILL BROOK	MA21-34	Headwaters, perennial portion in the Pittsfield State Forest, Hancock (north of Honwee Mountain, Lanesborough) to mouth at inlet Onota Lake, Pittsfield.	2.8	MILES	3
Cleveland Brook	MA21-08	Headwaters, outlet Cleveland Brook Reservoir, Hinsdale to mouth at confluence with East Branch Housatonic River, Dalton.	1.9	MILES	2
Cleveland Brook Reservoir	MA21019	Hinsdale.	155	ACRES	3
Cookson Pond	MA21021	New Marlborough.	67	ACRES	3
Crane Lake	MA21025	West Stockbridge.	27	ACRES	3
East Branch Housatonic River	MA21-01	Headwaters, outlet Muddy Pond, Washington to the outlet of Center Pond, Dalton (Center Pond formerly segment MA21016).	11.2	MILES	5
East Branch Housatonic River	MA21-02	Outlet of Center Pond, Dalton to mouth at confluence with the Housatonic River, Pittsfield.	8	MILES	5
East Indies Pond	MA21029	New Marlborough.	72	ACRES	3
Farnham Reservoir	MA21033	Washington.	41	ACRES	3
FENTON BROOK	MA21-35	Headwaters south of Jug End Road, Egremont (west of Mt. Bushnell, Sheffield), to mouth at confluence with Karner Brook, Egremont.	2.4	MILES	3
Furnace Brook	MA21-21	Headwaters, perennial portion, south of Route 295 (Canaan Road), Richmond to mouth at inlet Mud Ponds, West Stockbridge.	3.7	MILES	2
Goodrich Pond	MA21042	Pittsfield.	15	ACRES	5
Goose Pond	MA21043	Lee/Tyringham.	238	ACRES	4C
Goose Pond Brook	MA21-07	Headwaters, wetland north of George Cannan Road, Tyringham to mouth at confluence with the Housatonic River, Lee.	3.2	MILES	2
Green River	MA21-23	MA/NY border, Alford, southwest of Route 71, to mouth at confluence with the Housatonic River, Great Barrington.	10.3	MILES	2
Greenwater Brook	MA21-27	Headwaters, outlet Greenwater Pond, Becket to mouth at confluence with Goose Pond Brook, Lee.	4.4	MILES	2
Greenwater Pond	MA21044	Becket.	89	ACRES	4C
Hayes Pond	MA21051	Otis.	46	ACRES	3
Hop Brook	MA21-28	Headwaters, outlet Curtin Pond, Otis to mouth at confluence with the Housatonic River, Lee.	12	MILES	2
Housatonic River	MA21-04	Headwaters, confluence of Southwest Branch Housatonic River and West Branch Housatonic River, Pittsfield to Woods Pond dam (NATID: MA00731), Lee/Lenox (pond was formerly segment MA21120).	12.3	MILES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Housatonic River	MA21-19	Outlet of Woods Pond dam (NATID: MA00731), Lee/Lenox to the Risingdale Impoundment dam (NATID: MA00250), Great Barrington (impoundment formerly segment MA21121).	19.9	MILES	5
Housatonic River	MA21-20	Outlet of Risingdale Impoundment dam (NATID: MA00250), Great Barrington to the MA/CT border, Sheffield.	23.1	MILES	5
Hubbard Brook	MA21-15	Headwaters, northwest of Townhouse Hill Road, Egremont to mouth at confluence with the Housatonic River, Sheffield (thru Mill Pond formerly reported as segment MA21068).	9.4	MILES	4C
KARNER BROOK	MA21-38	Headwaters, perennial portion east of East Street, Mount Washington to the Karner Brook Reservoir intake, Egremont (formerly part of segment MA21-16).	2.3	MILES	4C
KARNER BROOK	MA21-39	From the Karner Brook Reservoir intake, Egremont to mouth at inlet Mill Pond, Egremont (formerly part of segment MA21-16).	2.3	MILES	4C
Konkapot River	MA21-25	Headwaters, outlet Brewer Lake, Monterey to the MA/CT border, New Marlborough.	16.5	MILES	5
Konkapot River	MA21-26	From the MA/CT border, Sheffield, to mouth at confluence with the Housatonic River, Sheffield.	2.9	MILES	5
Lake Averic	MA21006	Stockbridge.	42	ACRES	4C
Lake Buel	MA21014	Monterey/New Marlborough.	191	ACRES	5
Lake Garfield	MA21040	Monterey.	255	ACRES	5
Larrywaug Brook	MA21-29	Headwaters, outlet Stockbridge Bowl, Stockbridge to mouth at confluence with Housatonic River, Stockbridge.	2.9	MILES	2
Laurel Lake	MA21057	Lee/Lenox.	174	ACRES	5
Long Pond	MA21062	Great Barrington.	114	ACRES	4C
Long Pond Brook	MA21-14	Headwaters, outlet Long Pond, Great Barrington to mouth at confluence with Seekonk Brook, Great Barrington.	2	MILES	4C
Mansfield Pond	MA21065	Great Barrington.	28	ACRES	4C
Mill Pond	MA21069	Egremont.	10	ACRES	3
Morewood Lake	MA21071	Pittsfield.	20	ACRES	5
Onota Lake	MA21078	Pittsfield.	662	ACRES	4C
Plunkett Reservoir	MA21082	Hinsdale.	72	ACRES	4C
Pontoosuc Lake	MA21083	Lanesborough/Pittsfield.	500	ACRES	4A
Prospect Lake	MA21084	Egremont.	59	ACRES	4C
RAWSON BROOK	MA21-37	Headwaters, north of Cronk Road, Monterey to mouth at confluence with Konkapot River, Monterey.	5.9	MILES	2
Richmond Pond	MA21088	Richmond/Pittsfield.	228	ACRES	4C
Seekonk Brook	MA21-22	Headwaters, outlet of small impoundment east of West Road, Alford to mouth at confluence with the Green River, Great Barrington.	4.8	MILES	3
Shaker Mill Pond	MA21094	West Stockbridge.	27	ACRES	4C
Southwest Branch Housatonic River	MA21-17	Headwaters, outlet Richmond Pond, Pittsfield to mouth at confluence with West Branch Housatonic River (forming headwaters Housatonic River), Pittsfield.	5.8	MILES	5
Stevens Pond	MA21104	Monterey.	39	ACRES	4C
Stockbridge Bowl	MA21105	Stockbridge.	384	ACRES	4A
Thousand Acre Pond	MA21106	New Marlborough.	145	ACRES	4C

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
TOWN BROOK	MA21-36	Headwaters, perennial portion, Lanesborough to mouth at inlet Pontoosuc Lake, Lanesborough.	7.9	MILES	2
TYLER BROOK	MA21-32	Headwaters, northwest of Driscoll Road, Windsor to mouth at confluence with Windsor Brook, Windsor.	2.6	MILES	3
Unnamed Tributary	MA21-24	Headwaters, outlet Mill Pond, Egremont to mouth at confluence with Hubbard Brook, Egremont.	1.5	MILES	3
Unnamed Tributary	MA21-31	Unnamed tributary to the Housatonic River, locally known as "Laurel Brook", headwaters, outlet Laurel Lake, Lee to mouth at confluence with the Housatonic River, Lee.	0.8	MILES	4C
Upper Goose Pond	MA21110	Lee/Tyringham.	55	ACRES	4C
Upper Sackett Reservoir	MA21113	Hinsdale.	19	ACRES	3
Wahconah Falls Brook	MA21-11	Headwaters, outlet Windsor Reservoir, Windsor to mouth at confluence with East Branch Housatonic River, Dalton.	3.4	MILES	2
WELCH BROOK	MA21-33	Headwaters, northeast of Tully Mountain, Hinsdale to mouth at confluence with unnamed tributary to Plunkett Reservoir, Hinsdale.	1.7	MILES	3
West Branch Housatonic River	MA21-18	Headwaters, outlet Pontoosuc Lake, Pittsfield to mouth at confluence with Southwest Branch Housatonic River (forming headwaters Housatonic River), Pittsfield.	4.1	MILES	5
Willard Brook	MA21-30	Headwaters north of Salisbury Road, Sheffield to mouth at confluence with Hubbard Brook, Sheffield.	4	MILES	4C
Williams River	MA21-06	Headwaters, outlet Shaker Mill Pond, West Stockbridge to mouth at confluence with Housatonic River, Great Barrington.	11	MILES	2
Windsor Brook	MA21-09	Headwaters, southeast of Fobes Hill (west of Savoy Hollow Road), Windsor to mouth at inlet Windsor Reservoir, Hinsdale.	6.1	MILES	4C
Windsor Reservoir	MA21119	Hinsdale/Windsor.	74	ACRES	3
Hudson: Bashbish					
BASHBISH BROOK	MA13-01	Headwaters at confluence with Ashley Hill Brook, west of West Street, Mount Washington to Massachusetts/New York border, Mount Washington.	2.1	MILES	2
Hudson: Hoosic					
Bassett Brook	MA11-17	Headwaters, perennial portion, southeast slope of Saddle Ball Mountain, Adams to mouth at inlet Bassett Reservoir, Cheshire.	1.9	MILES	2
Berkshire Pond	MA11001	Lanesborough.	21	ACRES	4C
Broad Brook	MA11-23	From Vermont state line, Williamstown to mouth at confluence with the Hoosic River, Williamstown.	2.2	MILES	2
BUXTON BROOK	MA11-25	Headwaters, perennial portion, west of Petersburg Road, Williamstown to mouth at confluence with Hemlock Brook, Williamstown.	1.3	MILES	2
Cheshire Reservoir, Middle Basin	MA11018	[Middle Basin] Cheshire/Lanesborough.	186	ACRES	4C
Cheshire Reservoir, North Basin	MA11002	[North Basin] Cheshire.	284	ACRES	5
Cheshire Reservoir, South Basin	MA11019	[South Basin] Cheshire/Lanesborough.	92	ACRES	5
Dry Brook	MA11-13	Headwaters, west of Jackson Road (in Savoy Wildlife Management Area), Savoy to mouth at confluence with Hoosic River, Adams.	6.7	MILES	2
East Branch Green River	MA11-21	Headwaters, perennial portion, northeast of Sugarloaf Mountain, New Ashford to mouth at confluence with Green River, New Ashford.	2.2	MILES	2

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Green River	MA11-06	Headwaters, perennial portion, southwest of Sugarloaf Mountain (west of Ingraham Road), New Ashford to mouth at confluence with Hoosic River, Williamstown.	12.5	MILES	2
Hemlock Brook	MA11-09	Headwaters, perennial portion, south of Route 2 in the Taconic Trail State Park, Williamstown to mouth at confluence with the Hoosic River, Wiliamstown.	7.1	MILES	3
Hoosic River	MA11-03	Headwaters, outlet Cheshire Reservoir, Cheshire to Adams WWTP discharge (NPDES: MA0100315), Adams.	8.8	MILES	5
Hoosic River	MA11-04	Adams WWTP discharge (NPDES: MA0100315), Adams to confluence with North Branch Hoosic River, North Adams.	5.4	MILES	4C
Hoosic River	MA11-05	Confluence with North Branch Hoosic River, North Adams to the Vermont State line, Williamstown.	8.2	MILES	5
HOPPER BROOK	MA11-28	Headwaters, perennial portion, east of Sperry Road, Williamstown to mouth at confluence with the Green River, Williamstown.	4	MILES	2
Kitchen Brook	MA11-24	From the outlet of the unnamed reservoir (Kitchen Brook Reservoir), Cheshire to mouth at confluence with the Hoosic River, Cheshire.	1.4	MILES	2
Mauserts Pond	MA11009	Clarksburg.	51	ACRES	2
McDonald Brook	MA11-16	Source, southeast of Woodchuck Hill, Windsor to mouth at confluence with South Brook, Cheshire.	3	MILES	3
MILLER BROOK	MA11-27	Headwaters, west and south of East Hoosac Street, Adams to mouth at confluence with Tophet Brook, Adams.	2.4	MILES	2
Mt. Williams Reservoir	MA11010	North Adams.	46	ACRES	3
North Branch Hoosic River	MA11-01	Vermont State line, Clarksburg to USGS Gage (# 01332000), North Adams.	4.3	MILES	5
North Branch Hoosic River	MA11-02	From USGS Gage (# 01332000), North Adams to mouth at confluence with Hoosic River, North Adams.	1.5	MILES	5
Notch Reservoir	MA11011	North Adams.	12	ACRES	3
Paull Brook	MA11-20	Headwaters, outlet of Mt. Williams Reservoir, North Adams to mouth at confluence with unnamed tributary, Williamstown.	2.1	MILES	4C
Pecks Brook	MA11-18	Headwaters, perennial portion, west of West Mountatin Road, Adams to mouth at confluence with the Hoosic River, Adams.	2.7	MILES	2
South Brook	MA11-15	Headwaters, west of Weston Mountain, Dalton to mouth at confluence with the Hoosic River, Cheshire.	4.1	MILES	2
Thunder Brook	MA11-10	Headwaters, perennial portion, Cheshire to mouth at confluence with Kitchen Brook, Cheshire.	1.5	MILES	2
Tophet Brook	MA11-19	Source west of Burnett Road, Savoy (in the Savoy Mountain State Forest) to mouth at confluence with the Hoosic River, Adams.	6.2	MILES	4C
TUNNEL BROOK	MA11-26	Headwaters, outlet small unnamed pond east of West Shaft Road, North Adams to mouth at confluence with Phillips Creek, North Adams.	1.7	MILES	3
West Branch Green River	MA11-22	Headwaters, perennial portion, west of Route 43, Hancock (near New York border) to mouth at confluence with Green River, Williamstown.	7.9	MILES	2
Windsor Lake	MA11016	North Adams.	24	ACRES	3
Hudson: Kinderhook					
BENTLY BROOK	MA12-02	Headwaters, perennial portion, south of Brodie Mountain Road, Lanesborough to mouth at confluence with Kinderhook Creek, Hancock.	2.1	MILES	2

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Kinderhook Creek	MA12-01	Headwaters, northwest of Sheeps Heaven Mountain and east of Route 43, Hancock to New York/Massachusetts border, Hancock.	5.5	MILES	5
Ipswich					
Bear Meadow Brook	MA92-07	Headwaters in Cedar Swamp, Reading to confluence with Ipswich River, Reading/North Reading.	2.8	MILES	2
Beaver Pond	MA92002	Beverly.	19	ACRES	3
Berry Pond	MA92003	North Andover.	4	ACRES	2
Black Brook	MA92-19	Outlet Cutler Pond, Hamilton to confluence with Ipswich River, Hamilton.	3.6	MILES	3
Boston Brook	MA92-13	Outlet of Towne Street Pond, North Andover to confluence with the Ipswich River, Middleton (excluding approximately 0.3 miles through Salem Street Pond segment MA92076), (through former pond segments Upper Boston Brook Pond MA92070 and Lower Boston Brook Pond MA92031).	7.2	MILES	2
Brackett Pond	MA92004	Andover.	16	ACRES	5
Bradford Pond	MA92005	North Reading.	14	ACRES	3
Collins Pond	MA92010	Andover.	2	ACRES	5
Creighton Pond	MA92011	Middleton.	19	ACRES	3
Crystal Pond	MA92013	Peabody.	9	ACRES	5
Devils Dishfull Pond	MA92015	Peabody.	14	ACRES	5
Eisenhaures Pond	MA92016	North Reading.	12	ACRES	3
Elginwood Pond	MA92017	Peabody.	9	ACRES	3
Emerson Brook Reservoir (Forest Street Pond)	MA92021	Middleton/North Reading.	196	ACRES	3
Farnum Street Pond	MA92018	North Andover.	9	ACRES	3
Field Pond	MA92019	Andover.	57	ACRES	4C
Fish Brook	MA92-14	Headwater, outlet Stiles Pond, Boxford to confluence with Ipswich River, Topsfield/Boxford (through Howes Pond formerly segment MA92026).	8.2	MILES	5
Fourmile Pond	MA92022	Boxford.	29	ACRES	3
Frye Pond	MA92023	Andover.	7	ACRES	5
Gravelly Brook	MA92-18	Headwaters, Willowdale State Forest, Ipswich to confluence with Ipswich River, Ipswich.	1.5	MILES	5
Hood Pond	MA92025	Ipswich/Topsfield.	68	ACRES	4A
Howlett Brook	MA92-17	Headwaters north of Great Hill, Topsfield to confluence with Ipswich River, Topsfield.	2.7	MILES	5
Idlewild Brook	MA92-24	Outlet of Pleasant Pond, Hamilton to confluence with Ipswich River, Hamilton.	1.1	MILES	3
Ipswich River	MA92-02	Ipswich Mills Dam (formerly known as Sylvania Dam), Ipswich to mouth at Ipswich Bay, Ipswich.	0.39	SQUARE MILES	5
Ipswich River	MA92-06	Source at confluence of Maple Meadow Brook and Lubbers Brook, Wilmington, to Salem Beverly Waterway Canal, Topsfield.	20.4	MILES	5
Ipswich River	MA92-15	Salem Beverly Waterway Canal, Topsfield to Ipswich Mills Dam (formerly known as Sylvania Dam), Ipswich.	11	MILES	5
Kimball Brook	MA92-21	Headwaters, west of Scott Hill, Ipswich to confluence with Ipswich River, Ipswich.	2.2	MILES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Kimballs Pond	MA92027	Boxford.	8	ACRES	3
Labor In Vain Creek	MA92-22	Headwaters (excluding intermittent portion) south of Argilla Road, Ipswich to confluence with estuarine portion of Ipswich River, Ipswich.	0.03	SQUARE MILES	5
Long Causeway Brook	MA92-20	Headwaters (excluding intermittent portion) near Boston & Maine Railroad, south of Pigeon Hill, Hamilton to confluence with Miles River, Hamilton/Ipswich.	1	MILES	3
Longham Reservoir	MA92030	Wenham/Beverly.	34	ACRES	3
Lowe Pond	MA92034	Boxford.	36	ACRES	5
Lower Four Mile Pond	MA92032	Boxford.	18	ACRES	4C
Lubbers Brook	MA92-05	Headwaters (excluding intermittent portion) Billerica to confluence with Maple Meadow Brook forming headwaters of Ipswich River, Wilmington (through former pond segments Lubber Pond West MA92036 and Lubber Pond East MA92035).	5.6	MILES	5
Maple Meadow Brook	MA92-04	Headwaters outlet of Mill Pond, Burlington to confluence with Lubbers Brook, Wilmington.	4.2	MILES	5
Martins Brook	MA92-08	Outlet of Martins Pond, North Reading to the confluence with the Ipswich River, North Reading.	4.6	MILES	5
Martins Pond	MA92038	North Reading.	89	ACRES	5
Middleton Pond	MA92039	Middleton.	129	ACRES	3
Mile Brook	MA92-16	Headwaters, east of North Street, Topsfield to confluence with Ipswich River, Topsfield (includes Mile Brook Pond).	2.5	MILES	3
Miles River	MA92-03	Headwaters outlet Longham Reservoir, Beverly to confluence with Ipswich River, Ipswich.	8.9	MILES	5
Mill Pond	MA92041	Burlington.	59	ACRES	4A
Nichols Brook	MA92-25	Headwaters (near Rowley Hill Street and Route 95 and Newburyport Turnpike) in Danvers, to confluence with the Ipswich River, Middleton (Middleton/Boxford town line).	2.4	MILES	3
Norris Brook	MA92-11	Headwaters outlet of Elginwood Pond, Peabody to confluence with Ipswich River, Danvers (Danvers/Middleton town line).	1.5	MILES	5
Pierces Pond	MA92048	Peabody.	3	ACRES	3
Pleasant Pond	MA92049	(Idlewood Lake) Wenham/Hamilton.	26	ACRES	5
Putnamville Reservoir	MA92052	Danvers.	283	ACRES	3
Salem Pond	MA92057	North Andover/Andover.	15	ACRES	5
Salem Street Pond	MA92076	North Andover.	11	ACRES	3
Silver Lake	MA92059	Wilmington.	30	ACRES	5
Spofford Pond	MA92060	Boxford.	28	ACRES	3
Stearns Pond	MA92061	North Andover.	43	ACRES	2
Stevens Pond	MA92062	Boxford.	11	ACRES	4C
Stiles Pond	MA92063	Boxford.	59	ACRES	3
Sudden Pond	MA92064	North Andover.	5	ACRES	3
Suntaug Lake	MA92065	Lynnfield/Peabody.	151	ACRES	3
Swan Pond	MA92066	North Reading.	42	ACRES	3
Towne Pond	MA92068	Boxford/North Andover.	23	ACRES	3
Unnamed Tributary	MA92-09	Unnamed tributary to Ipswich River, outlet of Eisenhaures Pond, North Reading to confluence with Ipswich River, North Reading.	1.4	MILES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Unnamed Tributary	MA92-12	Unnamed tributary to Ipswich River, outlet of Middleton Pond, Middleton to confluence with Ipswich River, Middleton.	1.4	MILES	5
Unnamed Tributary	MA92-23	Unnamed tributary to Ipswich River (locally known as Greenwood Creek), headwaters, east of Jeffreys Neck Road/north of Newmarch Street, Ipswich to confluence with estuarine portion of Ipswich River, Ipswich.	0.03	SQUARE MILES	5
Unnamed Tributary	MA92-26	Unnamed intermittent tributary to Martins Brook, from source in wetland west of the Route 93/Route 125 intersection, Wilmington to confluence with Martins Brook, Wilmington.	1.3	MILES	5
Wenham Lake	MA92073	Beverly/Wenham.	243	ACRES	5
Wills Brook	MA92-10	Headwaters, north of Lowell Street (excluding intermittent portion), Lynnfield to confluence with Ipswich River, Lynnfield (Lynnfield/North Reading townline).	1.5	MILES	2
Winona Pond	MA92077	Peabody.	92	ACRES	3
Islands					
Black Point Pond	MA97-33	Chilmark (includes channel connector to Tisbury Great Pond).	0.09	SQUARE MILES	2
Cape Poge Bay	MA97-08	From the outlet of The Lagoon at Toms Neck, Edgartown to the confluence with Edgartown Harbor at the Cape Poge Gut, (excluding Shear Pen Pond and Pease Pond) Edgartown, Martha's Vineyard.	2.3	SQUARE MILES	2
Chilmark Pond	MA97-05	South of South Road including Wades Cove and Gilberts Cove, Chilmark, Martha's Vineyard.	0.31	SQUARE MILES	5
Coskata Pond	MA97-03	Pond north of Nantucket Harbor, Nantucket to confluence with Nantucket Harbor, Nantucket.	0.08	SQUARE MILES	2
Cuttyhunk Pond	MA97-21	Waters west of the channel connecting Cuttyhunk Pond to Cuttyhunk Harbor, Gosnold, Elizabeth Islands (changed from MA95-26 to MA97-21 on 10/7/97).	0.15	SQUARE MILES	5
Edgartown Great Pond	MA97-17	excluding Jacobs Pond (PALIS# 97038) Edgartown, Martha's Vineyard.	1.35	SQUARE MILES	4A
Edgartown Harbor	MA97-15	Waters west of Cape Poge Gut bounded by an imaginary line drawn from Chappaquiddick Point to Dock Street and northeasterly from the end of Plantingfield Way to Cape Poge Elbow (excluding Eel Pond), Edgartown, Martha's Vineyard.	3.09	SQUARE MILES	5
Farm Pond	MA97-30	Oak Bluffs.	0.05	SQUARE MILES	4A
Gibbs Pond	MA97028	Nantucket.	34	ACRES	4A
Great Point Pond	MA97-04	On Great Point, Nantucket.	0.01	SQUARE MILES	3
Head of Hummock Pond	MA97035	Nantucket.	16	ACRES	5
Hither Creek	MA97-28	From the outlet of Long Pond to Madaket Harbor at an imaginary line drawn easterly from Jackson Point to Little Neck, Nantucket (as of the 2016 reporting cycle this segment includes Madaket Ditch).	0.07	SQUARE MILES	4A
Katama Bay	MA97-16	Waters south of an imaginary line from Chappaquiddick Point to Dock Street excluding Caleb Pond and Mattakeset Bay, Edgartown, Martha's Vineyard.	2.05	SQUARE MILES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Lagoon Pond	MA97-11	From Head of the Pond Road to confluence with Vineyard Haven Harbor at Beach Road, Tisbury/Oak Bluffs, Martha's Vineyard.	0.82	SQUARE MILES	4A
Lake Tashmoo	MA97-12	Waters including Drew Cove and Rhoda Pond to confluence with Vineyard Sound at channel south of Herring Creek Road, Tisbury, Martha's Vineyard.	0.41	SQUARE MILES	5
Long Pond	MA97-29	tidally restricted brackish water, south of Madaket Road, including White Goose Cove, Nantucket.	0.12	SQUARE MILES	5
Madaket Harbor	MA97-27	Waters encompassed within imaginary lines from Eel Point to the northern tip of Esther Island, from the southern tip of Esther Island southeasterly to the opposite shore and from Jackson Point easterly to Little Neck, Nantucket.	1.44	SQUARE MILES	2
Mattakeset Bay	MA97-14	Waters west of an imaginary line drawn southeasterly from Katama Point to Norton Point, Edgartown, Martha's Vineyard.	0.17	SQUARE MILES	2
Menemsha Pond	MA97-06	Waters between Nashaquitsa Pond and Menemsha Creek, Chilmark/Aquinnah, Martha's Vineyard.	0.89	SQUARE MILES	2
Miacomet Pond	MA97055	Nantucket.	34	ACRES	4A
Mill Brook	MA97-22	Outlet of Bliss Pond, Chilmark to inlet Chilmark Pond, Chilmark, Martha's Vineyard.	2.4	MILES	2
Mill Brook	MA97-24	Source in wetlands west of Roth Woodland Road, Chilmark to Old Millpond Dam, West Tisbury, Martha's Vineyard.	3.6	MILES	2
Nantucket Harbor	MA97-01	Waters south and east of an imaginary line drawn from Jetties Beach to Coatue Point (excluding Polpis Harbor and Coskata Pond), Nantucket.	7.16	SQUARE MILES	5
North Head Long Pond	MA97-34	tidally restricted brackish water, Nantucket.	0.07	SQUARE MILES	4A
Oak Bluffs Harbor	MA97-07	North of Lake Avenue to confluence with Nantucket Sound, Oak Bluffs, Martha's Vineyard.	0.05	SQUARE MILES	5
Oyster Pond	MA97-13	Including Ripley Cove, Edgartown, Martha's Vineyard.	0.29	SQUARE MILES	3
Paint Mill Brook	MA97-23	Source east of Tea Lane, Chilmark to inlet of Paint Mill Brook Pond, Chilmark, Martha's Vineyard.	0.9	MILES	2
Polpis Harbor	MA97-26	Polpis Harbor and all adjacent coves, to an imaginary line drawn from Quaise Point to the opposite shore, Nantucket.	0.3	SQUARE MILES	5
ROARING BROOK	MA97-37	Headwaters, south of Tabor House Road, Chilmark to mouth at inlet Vineyard Sound, Chilmark.	1.5	MILES	3
Sengekontacket Pond	MA97-10	Between Edgartown-Vineyard Haven Road and Oak Bluffs Road, including Majors Cove, Edgartown/Oak Bluffs, Martha's Vineyard.	1.1	SQUARE MILES	5
Sesachacha Pond	MA97-02	South of Quidnet Road and north of Polpis Road, Nantucket.	0.42	SQUARE MILES	5
Seths Pond	MA97085	West Tisbury.	11	ACRES	5
Sunset Lake	MA97-31	Oak Bluffs.	0.01	SQUARE MILES	2
Tiasquam River	MA97-25	Source in wetlands west of Tea Lane, Chilmark to Warren Pond Dam, Chilmark/West Tisbury, Martha's Vineyard.	3.2	MILES	2
TIASQUAM RIVER	MA97-35	From Warren Pond Dam to mouth at inlet of Town Cove of Tisbury Great Pond, Chilmark/West Tisbury, Martha's Vineyard.	0.01	SQUARE MILES	3

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Tisbury Great Pond	MA97-18	Including Town Cove, Muddy Cove, Pear Tree Cove, Short Cove, Tiah Cove, Tississa Pond, Deep Bottom Cove, and Thumb Cove, Chilmark/West Tisbury, Martha's Vineyard.	1.1	SQUARE MILES	5
Tom Nevers Pond	MA97097	Nantucket.	11	ACRES	4A
Trapps Pond	MA97-32	Edgartown.	0.07	SQUARE MILES	4A
Vineyard Haven Harbor	MA97-09	The waters south and west of an imaginary line drawn from the tip of West Chop, Tisbury and the tip of East Chop, Oak Bluffs to the confluence of Lagoon Pond at Beach Road, Tisbury/Oak Bluffs, Martha's Vineyard.	1.54	SQUARE MILES	5
Westend Pond	MA97-20	Cuttyhunk Island, Gosnold, Elizabeth Islands.	0.06	SQUARE MILES	2
WITCH BROOK	MA97-36	Perennial portion south of South Gate Road, West Tisbury to mouth at Crocker Pond inlet, West Tisbury.	0.5	MILES	2
Merrimack					
Back River	MA84A-16	New Hampshire state line, Amesbury to inlet Clarks Pond, Amesbury.	2.7	MILES	5
Bailey Pond	MA84003	Amesbury.	13	ACRES	3
Bare Meadow Brook	MA84A-18	Headwaters, Methuen to confluence with Merrimack River, Methuen.	3	MILES	5
Bartlett Brook	MA84A-36	New Hampshire state line, Dracut to inlet Mill Pond, Methuen.	3.7	MILES	5
Beaver Brook	MA84A-11	New Hampshire state line, Dracut to confluence with Merrimack River, Lowell.	4.8	MILES	5
Beaver Brook	MA84B-02	Outlet Mill Pond, Littleton to inlet Forge Pond, Westford.	4.9	MILES	5
Beaver Brook	MA84B-05	Headwaters, outlet of "Wolf Swamp", Boxborough to inlet of Mill Pond, Littleton.	5.5	MILES	3
Bennetts Brook	MA84B-06	Headwaters, north of Route 2, Harvard to the inlet of Spectacle Pond, Ayer/Littleton.	4.3	MILES	5
Black Brook	MA84A-17	Headwaters, Chelmsford to confluence with Merrimack River, Lowell (approximately 500 feet culverted near mouth).	2.3	MILES	5
Bridge Meadow Brook	MA84A-34	Headwaters, north of Chestnut Road, Tyngsborough to inlet Flint Pond, Tyngsborough.	4	MILES	2
Chadwicks Pond	MA84006	Haverhill/Boxford.	173	ACRES	5
Cobbler Brook	MA84A-22	Headwaters, Merrimac to confluence with Merrimack River, Merrimac.	4.4	MILES	4C
Creek Brook	MA84A-37	Headwaters, outlet Crystal Lake, Haverhill to confluence with Merrimack River, Haverhill.	2.3	MILES	5
Crystal Lake	MA84010	Haverhill.	161	ACRES	5
Deep Brook	MA84A-21	Headwaters east of Everett Turnpike, Tyngsborough to confluence with Merrimack River, Chelmsford.	2.9	MILES	5
East Meadow River	MA84A-39	Headwaters, outlet Neal Pond, Haverhill to inlet Millvale Reservoir, Haverhill.	3	MILES	5
Fish Brook	MA84A-40	Headwaters, east of Greenwood Road, Andover to confluence with Merrimack River at Fish Brook Dam (NAT ID: MA02265), Andover.	4.1	MILES	5
Flint Pond	MA84012	Tyngsborough.	72	ACRES	5
Forest Lake	MA84014	Methuen.	48	ACRES	5
Forge Pond	MA84015	Westford/Littleton.	203	ACRES	4A
Haggets Pond	MA84022	Andover.	211	ACRES	5
Hoveys Pond	MA84025	Boxford.	36	ACRES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Johnson Creek	MA84A-15	Headwaters, Groveland (excluding intermittent portion) to confluence with Merrimack River, Groveland/Haverhill.	1.1	MILES	2
Johnsons Pond	MA84027	Groveland/Boxford.	194	ACRES	5
Joint Grass Brook	MA84A-32	Headwaters, between Hollis Street and Hauk Swamp, Dunstable to the confluence with Salmon Brook, Dunstable.	3.2	MILES	3
Kenoza Lake	MA84028	Haverhill.	240	ACRES	5
Knops Pond/Lost Lake	MA84084	Groton.	187	ACRES	4A
Lake Attitash	MA84002	Amesbury/Merrimac.	369	ACRES	5
Lake Cochichewick	MA84008	North Andover.	575	ACRES	5
Lake Mascuppic	MA84037	Tyngsborough/Dracut.	210	ACRES	4C
Lake Pentucket	MA84051	Haverhill.	38	ACRES	5
Lake Saltonstall	MA84059	Haverhill.	44	ACRES	5
Lawrence Brook	MA84A-20	Headwaters, Tyngsborough (excluding intermittent portion) to confluence with Merrimack River, Tyngsborough.	2	MILES	2
Little River	MA84A-09	New Hampshire state line, Haverhill to confluence with Merrimack River, Haverhill (approximately 200 feet culverted at mouth).	4.6	MILES	5
Locust Pond	MA84031	Tyngsborough.	16	ACRES	4A
Long Pond	MA84032	Dracut/Tyngsborough (size indicates portion in Massachusetts).	137	ACRES	5
Lowell Canals	MA84A-29	Canal system near Pawtucket Falls, Lowell.	4.9	MILES	5
Martins Pond Brook	MA84A-19	Headwaters outlet Martins Pond, Groton to inlet Lost Lake, Groton.	2.3	MILES	2
Massapoag Pond	MA84087	Dunstable/Groton/Tyngsborough.	111	ACRES	5
Merrimack River	MA84A-01	State line at Hudson, NH/Tyngsborough, MA to Pawtucket Dam (NAT ID: MA00837), Lowell.	9	MILES	5
Merrimack River	MA84A-02	Pawtucket Dam (NAT ID: MA00837), Lowell to Lowell Regional Wastewater Utilities (NPDES# MA0100633) outfall at Duck Island, Lowell.	3.2	MILES	5
Merrimack River	MA84A-03	Lowell Regional Wastewater Utilities (NPDES# MA0100633) outfall at Duck Island, Lowell to Essex Dam (NAT ID: MA00234), Lawrence.	8.8	MILES	5
Merrimack River	MA84A-04	Essex Dam (NAT ID: MA00234), Lawrence to confluence with Little River, Haverhill.	10	MILES	5
Merrimack River	MA84A-05	Confluence Little River, Haverhill to confluence Indian River, West Newbury/Amesbury.	1.83	SQUARE MILES	5
Merrimack River	MA84A-06	Confluence Indian River, West Newbury/Amesbury to mouth at Atlantic Ocean, Newburyport/Salisbury (includes Back River, Salisbury).	4.46	SQUARE MILES	5
Merrimack River	MA84A-26	The Basin in the Merrimack River Estuary, Newbury/Newburyport.	0.17	SQUARE MILES	5
Mill Pond	MA84038	[North Basin] Littleton.	30	ACRES	5
Mill Pond	MA84039	West Newbury.	18	ACRES	3
Mill Pond	MA84081	[South Basin] Littleton.	12	ACRES	5
Millvale Reservoir	MA84041	Haverhill.	44	ACRES	5
Nabnasset Pond	MA84044	Westford.	134	ACRES	5
Newfield Pond	MA84046	Chelmsford.	77	ACRES	5
Peppermint Brook	MA84A-35	Headwaters, outlet of unnamed pond east of Route 38, Dracut to confluence with Beaver Brook, Dracut.	2.7	MILES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Plum Island River	MA84A-27	From Chaces Island, Merimack River Estuary, to the "high sandy" sand bar just north of the confluence with Pine Island Creek, Newbury (formerly encompassed in MA84A-23).	0.13	SQUARE MILES	5
Powwow River	MA84A-08	Tidal portion, just downstream of Main Street, Amesbury to confluence with Merrimack River, Amesbury.	0.06	SQUARE MILES	5
Powwow River	MA84A-25	Outlet of Lake Gardner, Amesbury to tidal portion, just downstream of Main Street, Amesbury.	0.6	MILES	5
Powwow River	MA84A-28	outlet Tuxbury Pond, Amesbury to New Hampshire state line, Amesbury.	2.9	MILES	5
Reed Brook	MA84B-08	Headwaters, south of the West Street/Cowdry Hill Road intersection, Westford to the confluence with Stony Brook, Westford.	0.6	MILES	2
Richardson Brook	MA84A-12	Headwaters, Dracut (excluding intermittent portion) to confluence with Merrimack River, Dracut.	1.9	MILES	5
Salmon Brook	MA84A-33	Headwaters, outlet Lower Massapoag Pond, Dunstable to New Hampshire state line, Dunstable.	2.9	MILES	3
South Branch Souhegan River	MA84A-31	Headwaters, outlet Watatic Pond, Ashburnham to New Hampshire state line, Ashby.	3	MILES	5
Spectacle Pond	MA84089	Littleton/Ayer.	79	ACRES	5
Spicket River	MA84A-10	New Hampshire state line, Methuen to confluence with Merrimack River, Lawrence.	5.8	MILES	5
Stevens Pond	MA84064	North Andover.	23	ACRES	5
Stony Brook	MA84B-03	Headwaters outlet Forge Pond, Westford to Brookside Road, Westford.	6.5	MILES	5
Stony Brook	MA84B-04	Brookside Road, Westford to confluence with Merrimack River, Chelmsford.	3.4	MILES	5
Tadmuck Brook	MA84B-07	Headwaters south of Main Street, Westford to confluence with Stony Brook, Westford.	1.4	MILES	5
Trout Brook	MA84A-13	Headwaters, Dracut to confluence with Richardson Brook, Dracut.	2.6	MILES	5
Trull Brook	MA84A-14	Source, Tewksbury (excluding intermittent portion) to confluence with Merrimack River, Tewksbury.	2.1	MILES	5
Unnamed Tributary	MA84A-30	Unnamed tributary to Powwow River locally considered portion of Back River from outlet of Clarks Pond, Amesbury to confluence with Powwow River, Amesbury (formerly portion of segment MA84A-16).	0.003	SQUARE MILES	5
Unnamed Tributary	MA84A-38	(Locally known as Argilla Brook) Unnamed tributary to Johnson Creek (excluding intermittent portion) from Center Street, Groveland to confluence with Johnson Creek, Groveland.	1.3	MILES	2
Unnamed Tributary	MA84B-01	(Locally known as Reedy Meadow Brook) Headwaters, outlet of small unnamed impoundment upstream of Bruce Street, Littleton to inlet Mill Pond, Littleton.	1.5	MILES	5
Uptons Pond	MA84075	Tyngsborough.	6	ACRES	3
Ward Pond	MA84096	PALIS id changed from 35094 to 84096 on October 10, 1997. (WBID from MA35094 to MA84096) Ashburnham.	54	ACRES	5
Millers					
Bassett Pond	MA35002	New Salem.	26	ACRES	3
Beaver Brook	MA35-09	Fernald School discharge, Templeton to confluence with Millers River, Royalston.	3.4	MILES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
BEAVER BROOK	MA35-28	Headwaters, confluence of Kendall and Chickering brooks, Phillipston to the Fernald School (MA0102156) discharge, Templeton.	2.3	MILES	5
Beaver Flowage Pond	MA35005	(Beaver Pond) Royalston.	38	ACRES	3
Bents Pond	MA35006	Hubbardston.	28	ACRES	3
Bents Pond	MA35007	Gardner.	6	ACRES	4A
Bourn-Hadley Pond	MA35008	Templeton.	26	ACRES	4C
Bowens Pond	MA35009	Wendell.	17	ACRES	3
Boyce Brook	MA35-17	NH State Line, Royalston to confluence with East Branch Tully River, Royalston.	3.2	MILES	5
Brazell Pond	MA35010	Templeton.	15	ACRES	4C
Cowee Pond	MA35013	Gardner.	18	ACRES	3
Crystal Lake	MA35014	Gardner.	142	ACRES	3
Davenport Pond	MA35015	Petersham/Athol.	30	ACRES	3
Depot Pond	MA35018	(Railroad Pond) Templeton.	15	ACRES	4C
Dunn Pond	MA35021	Gardner.	18	ACRES	2
EAST BRANCH TULLY RIVER	MA35-29	From the outlet of Tully Lake, Royalston to confluence with the West Branch Tully River forming headwaters Tully River, Orange/Athol (formerly reported as a portion of MA35-12).	3.5	MILES	5
EAST BRANCH TULLY RIVER	MA35-30	Confluence of Tully Brook and Falls Brook in Royalston State Forest, Royalston through Long Pond to inlet Tully Lake, Royalston (formerly reported as a portion of MA35-12).	5.4	MILES	5
East Templeton Pond	MA35022	Templeton.	9	ACRES	3
ELLINWOOD BROOK	MA35-22	Headwaters, outlet unnamed pond east of Woodlawn Road, Athol to inlet of White Pond, Athol.	3.6	MILES	5
Ellis Pond	MA35023	Athol.	88	ACRES	4C
Gales Pond	MA35024	Warwick.	12	ACRES	5
Greenwood Pond	MA35025	Westminster.	27	ACRES	3
Greenwood Pond	MA35026	Templeton.	12	ACRES	4C
Hastings Pond	MA35028	Warwick.	18	ACRES	3
Hilchey Pond	MA35029	Gardner.	8	ACRES	4A
JACKS BROOK	MA35-31	Headwaters south of Orange Road, Northfield to mouth at confluence with Keyup Brook, Erving.	2.7	MILES	5
Kendall Pond	MA35034	Gardner.	22	ACRES	3
Keyup Brook	MA35-16	Headwaters Great Swamp Northfield State Forest, Northfield, to confluence with Millers River, Erving.	5	MILES	5
Lake Denison	MA35017	Winchendon.	83	ACRES	4A
Lake Mattawa	MA35112	(PALIS ID Changed on 10/6/97 from 36092 to 35112 - Concurently changed WBID to reflect this change - See PALIS for details) Orange.	112	ACRES	3
Lake Monomonac	MA35047	Massachusetts portion only. Winchendon/Rindge,N.H.	186	ACRES	5
Lake Rohunta	MA35070	(Middle Basin) Athol/Orange/New Salem.	209	ACRES	5
Lake Rohunta	MA35106	(North Basin) Athol/Orange.	34	ACRES	4A
Lake Rohunta	MA35107	(South Basin) New Salem.	42	ACRES	5
Lake Watatic	MA35095	Ashburnham.	133	ACRES	3
Laurel Lake	MA35035	Erving/Warwick.	44	ACRES	5
Lawrence Brook	MA35-13	New Hampshire state line, Royalston through Doane Falls to confluence with East Branch Tully River at inlet Tully Lake, Royalston.	7.1	MILES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Little Pond	MA35037	Royalston.	10	ACRES	3
Lower Naukeag Lake	MA35041	Ashburnham.	295	ACRES	3
Lyons Brook	MA35-19	Outlet of Ruggles Pond, Wendell to confluence with Millers River, Montague/Wendell.	2.1	MILES	5
MAHONEY BROOK	MA35-27	Headwaters, east of Willis Road and Ray Hill, Gardner to Mahoney Pond Dam (MA02319), Gardner.	3	MILES	5
Millers River	MA35-01	Outlet of Whitney Pond, Winchendon to Winchendon WWTP, Winchendon.	3.3	MILES	5
Millers River	MA35-02	Winchendon WWTP, Winchendon to confluence with Otter River, Winchendon.	5.6	MILES	5
Millers River	MA35-03	Confluence with Otter River, Winchendon to South Royalston USGS Gage, Royalston.	3.5	MILES	5
Millers River	MA35-04	South Royalston USGS Gage, Royalston to Erving Center WWTP (formerly known as Erving Paper Company), Erving.	18.5	MILES	5
Millers River	MA35-05	Erving Center WWTP (formerly known as Erving Paper Company), Erving to confluence with Connecticut River, Erving/Montague.	9.2	MILES	5
Millers River	MA35-20	Outlet of Sunset Lake, Ashburnham to inlet of Whitney Pond, Winchendon.	6.4	MILES	5
Minott Pond	MA35046	Westminster.	8	ACRES	3
Minott Pond South	MA35045	Westminster.	27	ACRES	3
Moores Pond	MA35048	Warwick.	39	ACRES	4A
Mormon Hollow Brook	MA35-15	Headwaters just north of Montague Road, Wendell to confluence with Millers River, Wendell.	3.8	MILES	5
North Branch Millers River	MA35-21	Outlet of Lake Mononomac, Winchendon to inlet of Whitney Pond, Winchendon.	2	MILES	5
NORTH POND BROOK	MA35-23	Headwaters, from northern outlet of Lake Mattawa, Orange to confluence with Millers River, Orange.	2.1	MILES	5
North Spectacle Pond	MA35052	New Salem.	43	ACRES	3
Otter River	MA35-06	Source, Hubbardston (north of Pitcherville Road) to Gardner WWTP, Gardner/Templeton.	4.3	MILES	5
Otter River	MA35-07	Gardner WWTP, Gardner/Templeton to Seaman Paper Dam, Templeton.	4.4	MILES	2
Otter River	MA35-08	Seaman Paper Dam, Templeton to confluence with Millers River, Winchendon.	5.5	MILES	5
Packard Pond	MA35053	Orange.	43	ACRES	3
Parker Pond	MA35056	Gardner.	32	ACRES	4A
Partridgeville Pond	MA35057	Templeton.	38	ACRES	3
Perley Brook Reservoir	MA35059	Gardner.	55	ACRES	3
Phillipston Reservoir	MA35060	Philipston/Athol.	20	ACRES	3
Priest Brook	MA35-10	Headwaters at the confluence of Towne and Scott Brooks, Royalston to the confluence with the Millers River, Winchendon. (According to SARIS includes lower portion of Scott Brook.).	6.8	MILES	2
Ramsdall Pond	MA35062	Gardner.	16	ACRES	3
Reservoir No. 1	MA35063	Athol.	8	ACRES	4A
Reservoir No. 2	MA35064	Phillipston/Athol (Secret Lake).	48	ACRES	3
Riceville Pond	MA35065	Athol/Petersham.	61	ACRES	3

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Richards Reservoir	MA35067	Warwick.	21	ACRES	3
Royalston Road Pond	MA35071	Orange.	5	ACRES	3
Ruggles Pond	MA35072	Wendell.	15	ACRES	2
Sheomet Lake	MA35074	Warwick.	30	ACRES	3
South Athol Pond	MA35078	Athol.	83	ACRES	4C
South Spectacle Pond	MA35081	New Salem.	38	ACRES	3
Sportsmans Pond	MA35082	Athol.	93	ACRES	3
STOCKWELL BROOK	MA35-25	Headwaters east of Norcross Road, Royalston to mouth at Beaver Pond inlet, Royalston.	1.3	MILES	5
Stoddard Pond	MA35083	Winchendon.	52	ACRES	4C
Sunset Lake	MA35086	Ashburnham/Winchendon.	274	ACRES	3
Tully Lake	MA35111	Royalston/Athol.	214	ACRES	5
Tully Pond	MA35089	Orange.	70	ACRES	3
Tully River	MA35-14	Confluence East and West Branches Tully River, Orange/Athol to confluence with Millers River, Athol.	1.6	MILES	5
Unnamed Tributary	MA35-26	Unnamed tributary to Millers River from the outlet of Lake Wallace to the mouth at confluence with Millers River, Ashburnham (excluding Lake Watatic segment MA35095 and Lower Naukeag Lake segment MA35041).	2.1	MILES	5
Upper Naukeag Lake	MA35090	Ashburnham.	305	ACRES	4A
Upper Reservoir	MA35091	Westminster.	42	ACRES	4A
Wallace Pond	MA35092	Ashburnham.	46	ACRES	3
Ward Pond	MA35093	Athol.	6	ACRES	3
West Branch Tully River	MA35-11	Outlet Sheomet Lake, Warwick to confluence with East Branch Tully River forming headwaters Tully River, Orange/Athol.	6.6	MILES	5
WEST GULF BROOK	MA35-24	From headwaters west of Paine Swamp Road, Athol to confluence with Millers River, Athol.	0.8	MILES	5
Wheelers Pond	MA35097	Warwick.	28	ACRES	3
Whetstone Brook	MA35-18	Headwaters northeast of Orcutt Hill near New Salem Rd, Wendell to confluence with Millers River, Wendell.	4.9	MILES	5
White Pond	MA35098	Athol.	63	ACRES	4C
Whites Mill Pond	MA35099	Winchendon.	42	ACRES	4A
Whitney Pond	MA35101	Winchendon.	97	ACRES	5
Wickett Pond	MA35102	Wendell.	30	ACRES	3
Wrights Reservoir	MA35104	Gardner/Westminster.	131	ACRES	3
Mount Hope Bay (Shore)					
Cole River	MA61-03	Wood Street, Swansea to Route 6, Swansea.	1.6	MILES	4C
Cole River	MA61-04	Route 6, Swansea to the mouth at Mount Hope Bay at old railway grade, Swansea.	0.35	SQUARE MILES	5
COLE RIVER	MA61-10	Headwaters, south of Wellington Street, Dighton to Wood Street, Swansea.	6.4	MILES	2
Cook Pond	MA61001	Fall River, MA/Tiverton, RI.	157	ACRES	3
Kickamuit River	MA61-08	Headwaters, outlet Warren Resevoir, Swansea, to state line, Swansea, MA/Warren, RI.	2.8	MILES	4A
Lee River	MA61-01	From confluence with Lewin Brook, Swansea to Route 6, Swansea/Somerset.	0.02	SQUARE MILES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Lee River	MA61-02	Route 6, Swansea/Somerset to mouth at Mount Hope Bay, Swansea/Somerset.	0.51	SQUARE MILES	5
LEWIN BROOK	MA61-09	Headwaters, west of Sharps Lot Road, Swansea to the inlet of the unnamed impoundment north of Lewin Lane, Swansea (impoundment upstream of dam, NAT ID# MA03247).	1.9	MILES	5
Lewin Brook Pond	MA61011	Swansea.	11	ACRES	4A
Mount Hope Bay	MA61-06	The Massachusetts portion just upstream of the Braga Bridge, Fall River/Somerset to the state border Fall River, MA/Tiverton, RI to the line from Braton Point Somerset to MA/RI border approximately 3/4 of a mile due east of Spar Island, RI.	2.32	SQUARE MILES	5
Mount Hope Bay	MA61-07	the Massachusetts portion from mouth of Cole River (at old railway grade), Swansea to state border Swansea, MA/Warren, RI to the line from Brayton Point, Somerset to MA/RI border approximately 3/4 of a mile due east of Spar Island, RI to the line between Bay Point, Swansea and Brayton Point, Somerset (the mouth of the Lee River).	1.84	SQUARE MILES	5
North Watuppa Pond	MA61004	Fall River/Westport.	1728	ACRES	4A
Quequechan River	MA61-05	Outlet South Watuppa Pond, Fall River to confluence with Mt. Hope Bay at mouth of Taunton River (just upstream of the Braga Bridge), Fall River.	2.4	MILES	5
Sawdy Pond	MA61005	Westport/Fall River.	369	ACRES	4A
South Watuppa Pond	MA61006	Fall River/Westport.	1473	ACRES	3
Narragansett Bay (Shore)					
Bad Luck Brook	MA53-11	Headwaters, outlet Warren Upper Reservoir, Rehoboth to confluence with East Branch Palmer River, Rehoboth.	1.7	MILES	2
Beaverdam Brook	MA53-10	Headwaters, southeast of Chestnut Street, Rehoboth to confluence with Palmer River, Rehoboth.	2.9	MILES	3
BLISS BROOK	MA53-19	Headwaters north of Tremont Street, Rehoboth to mouth at confluence with West Branch Palmer River, Rehoboth.	2.4	MILES	5
Clear Run Brook	MA53-13	Headwaters, outlet unnamed pond northwest of Miller Street, Seekonk to confluence with Palmer River, Rehoboth.	1.6	MILES	5
East Branch Palmer River	MA53-08	Headwaters, near Stevens Corner Cemetery, Rehoboth to confluence with West Branch Palmer River (forming Palmer River), Rehoboth.	7.2	MILES	2
Fullers Brook	MA53-12	Headwaters in wetland north of Jacobs Street, Seekonk to confluence with Palmer River, Rehoboth.	1.7	MILES	4A
Oak Swamp Brook	MA53-15	Headwaters in Oak Swamp east of School Street, Rehoboth to confluence with Rocky Run, Rehoboth.	3	MILES	4A
Palmer River	MA53-03	From Route 6 bridge, Rehoboth to state line, Swansea, MA/Barrington, RI.	0.11	SQUARE MILES	4A
Palmer River	MA53-05	From the Shad Factory Pond dam (NATID: MA00787), Rehoboth to the Route 6 bridge, Rehoboth.	0.09	SQUARE MILES	4A
PALMER RIVER	MA53-22	Headwaters, confluence of the East and West branches of the Palmer River, Rehoboth to the inlet of Shad Factory Pond, Rehoboth (formerly part of segment MA53-04).	4.8	MILES	5
Rocky Run	MA53-16	Headwaters in wetland east of Simmons Street, Rehoboth to approximately 0.1 mile east of Mason Street, Rehoboth.	8.6	MILES	4A

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Rocky Run	MA53-18	approximately 0.1 mile east of Mason Street, Rehoboth to confluence with Palmer River, Rehoboth.	0.003	SQUARE MILES	4A
Rumney Marsh Brook	MA53-09	Headwaters, east of Locust Avenue, Rehoboth to confluence with Beaverdam Brook, Rehoboth.	1.3	MILES	3
Runnins River	MA53-01	Route 44, Seekonk to Mobile Dam, Seekonk, MA/East Providence, RI (through Burrs Pond formerly segment MA53001).	3.7	MILES	5
RUNNINS RIVER	MA53-20	Headwaters just north of Walmut Street, Rehoboth to Route 44, Seekonk.	3.5	MILES	5
Shad Factory Pond	MA53005	Rehoboth (formerly part of segment MA53-04).	31	ACRES	5
Torrey Creek	MA53-14	Headwaters in wetland east of Benson Avenue, Seekonk to Barney Avenue, Rehoboth (includes culverted section [approximately 1200 feet] near Seekonk Speedway, Seekonk).	2.1	MILES	4A
Torrey Creek	MA53-17	From Barney Avenue, Rehoboth to confluence with Palmer River, Rehoboth.	0.004	SQUARE MILES	4A
Unnamed Tributary	MA53-21	Headwaters east of Agawam Court, Seekonk to inlet of unnamed pond south of Sagamore Road, Seekonk.	0.6	MILES	5
Warren River Pond	MA53-06	Salt pond in Swansea on MA/RI border (portion in MA only).	0.06	SQUARE MILES	4A
West Branch Palmer River	MA53-07	Headwaters just north of Fairfield Street, Rehoboth to confluence with East Branch Palmer River (forming Palmer River), Rehoboth.	4.4	MILES	2
Nashua					
Ashby Reservoir	MA81001	Ashby.	36	ACRES	3
Asnebumskit Brook	MA81-56	From outlet Eagle Lake, Holden to mouth at confluence with the Quinapoxet River, Holden.	2.9	MILES	5
Asnebumskit Pond	MA81002	Paxton.	44	ACRES	3
Baker Brook	MA81-62	Headwaters, confluence of Pearl Hill and Falulah brooks, Fitchburg to mouth at confluence with North Nashua River, Fitchburg.	2.5	MILES	5
Ball Brook	MA81-45	Headwaters, north of Sterling Road, Holden to mouth at confluence with Stillwater River, Sterling.	1.6	MILES	3
Bare Hill Pond	MA81007	Harvard.	310	ACRES	4A
Barrett Pond	MA81162	Leominster.	7	ACRES	3
Bartlett Pond	MA81009	Leominster.	23	ACRES	3
BAYBERRY HILL BROOK	MA81-68	Headwaters, outlet small unnamed pond north of Bailey Road, Townsend to mouth at confluence with Squannacook River, Townsend.	2.1	MILES	3
Bixby Reservoir	MA81010	Townsend.	21	ACRES	3
BOWERS BROOK	MA81-73	From outlet Barre Hill Pond, Harvard to mouth at inlet unnamed pond, Ayer.	6.1	MILES	2
Catacoonamug Brook	MA81-16	Outlet Lake Shirley, Lunenburg to mouth at confluence with Nashua River (backwater area), Shirley.	2.7	MILES	2
CATACOONAMUG BROOK	MA81-74	Headwaters, northwest of Chestnut Street, Lunenberg to inlet Lake Shirley, Harvard.	4.5	MILES	5
Chaffin Pond	MA81017	Holden.	90	ACRES	4C
Chaffins Brook	MA81-33	Headwaters, perennial portion, south of Malden Street/west of Wachusett Street, Holden to mouth at inlet of Unionville Pond, Holden.	0.9	MILES	3
Coachlace Pond	MA81019	Clinton.	31	ACRES	3

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
COBB BROOK	MA81-71	Headwaters, outlet small unnamed pond west of Brooks Station Road, Princeton to mouth at confluence with South Wachusett Brook, Princeton.	2.7	MILES	2
COLD SPRING BROOK	MA81-82	Headwaters, west of Old Mill Road (on the western side of railroad tracks), Harvard to mouth at confluence with Bowers Brook, Harvard.	1.2	MILES	3
Connelly Brook	MA81-57	Headwaters, southwest of Rowley Hill Road, Sterling to mouth at inlet The Quag, Sterling.	2.9	MILES	3
Coon Tree Pond	MA81168	Pepperell.	29	ACRES	3
Crocker Pond	MA81025	Westminster.	101	ACRES	3
Dawson Pond	MA81028	Holden.	22	ACRES	4C
Eagle Lake	MA81034	Holden.	56	ACRES	4C
East Wachusett Brook	MA81-30	Headwaters northeast of Little Wachusett Mountain, Princeton to mouth at confluence with Stillwater River, Sterling.	4.6	MILES	3
East Waushacum Pond	MA81035	Sterling.	181	ACRES	3
Fall Brook	MA81-38	From outlet Fall Brook Reservoir, Leominster to inlet Lake Samoset, Leominster (formerly part of segment MA81-14).	1.3	MILES	2
Fall Brook	MA81-39	From outlet Lake Samoset, Leominster to mouth at confluence with the North Nashua River, Leominster (formerly part of segment MA81-14).	3	MILES	5
Fall Brook Reservoir	MA81038	Leominster.	88	ACRES	3
FALULAH BROOK	MA81-63	Headwaters near Ringe Road, Ashby to mouth at confluence with Pearl Hill Brook, forming headwaters Baker Brook, Fitchburg (excluding approximately 0.6 miles through Lovell Reservoir segment MA81074).	6	MILES	5
Fitchburg Reservoir	MA81043	Ashby.	150	ACRES	3
Flag Brook	MA81-10	Headwaters, outlet Crocker Pond, Westminster to mouth at inlet of impoundment (Wachusett Station Pond) of North Nashua River, Fitchburg (excluding approximately 0.7 miles through Sawmill Pond segment MA81118).	2.2	MILES	2
Flannagan Pond	MA81044	Ayer.	80	ACRES	4C
Fort Pond	MA81046	Lancaster.	76	ACRES	5
French Brook	MA81-48	Headwaters, west of Linden Street, Boylston to mouth at inlet Wachusett Reservoir (Andrews Harbor), Boylston.	1.4	MILES	2
Gates Brook	MA81-24	Headwaters west of Prospect Street, West Boylston to mouth at inlet Wachusett Reservoir (Gates Cove), West Boylston.	3.4	MILES	2
GOODRIDGE BROOK	MA81-66	Headwaters, outlet impoundment at Old Ice Pond Dam (NATID: MA01560), Lancaster to mouth at confluence with Nashua River ("South Branch Nashua River"), Lancaster.	1.8	MILES	3
GOVERNOR BROOK	MA81-70	Headwaters, east of Worcester Road (Route 31), and south of Flagg Hill, Princeton to mouth at confluence with Trout Brook, Holden.	4.4	MILES	2
Grove Pond	MA81053	Ayer.	68	ACRES	5
GULF BROOK	MA81-76	Headwaters, outlet Heald Pond, Pepperell to the New Hampshire border, Pepperell approximately 0.2 miles upstream of mouth at confluence with Nissitissit River.	2.6	MILES	2
Haynes Reservoir	MA81055	Leominster.	56	ACRES	3
Heald Pond	MA81056	Pepperell.	28	ACRES	3
Hickory Hills Lake	MA81031	Lunenburg.	311	ACRES	4A

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Houghton Brook	MA81-55	Headwaters, south of Merrill Road, Sterling to mouth at confluence with Stillwater River, Sterling.	1.5	MILES	3
Hy-Crest Pond	MA81060	Sterling.	104	ACRES	3
James Brook	MA81-20	Headwaters, Groton to mouth at mouth at confluence with Nashua River, Ayer/Groton.	3.9	MILES	5
Justice Brook	MA81-41	Headwaters, outlet Stuart Pond, Sterling to mouth at confluence with Keyes Brook forming headwaters Stillwater River, Princeton/Sterling.	1	MILES	3
Kendall Reservoir	MA81062	Holden.	179	ACRES	3
Keyes Brook	MA81-40	Headwaters, outlet Paradise Pond, Princeton to mouth at confluence with Justice Brook forming headwaters Stillwater River, Princeton/Sterling.	3.2	MILES	3
Lake Samoset	MA81116	Leominster.	35	ACRES	4C
Lake Shirley	MA81122	Lunenburg/Shirley.	360	ACRES	5
Lake Wampanoag	MA81151	Ashburnham/Gardner.	224	ACRES	4A
Lake Whalom	MA81154	Lunenburg/Leominster.	97	ACRES	4C
Lancaster Millpond	MA81065	Clinton.	21	ACRES	3
Lincoln Pond	MA81070	Ashburnham.	31	ACRES	3
LOCKE BROOK	MA81-78	From New Hampshire border, Ashby to mouth at confluence with Willard Brook, Townsend.	4.4	MILES	2
Long Pond	MA81073	Ayer/Groton.	46	ACRES	3
Lovell Reservoir	MA81074	Fitchburg.	35	ACRES	3
Lower Crow Hill Pond	MA81026	Princeton/Westminster.	14	ACRES	3
Malagasco Brook	MA81-29	Headwaters southwest of Apron Hill, Boylston through Pine Swamp to mouth at inlet Wachusett Reservoir (South Bay), Boylston.	2.4	MILES	5
Malden Brook	MA81-27	Headwaters northeast of Lee Street, West Boylston to mouth at inlet Wachusett Reservoir (Thomas Basin), West Boylston.	1.9	MILES	2
Maple Spring Pond	MA81077	Holden.	38	ACRES	3
Massapoag Pond	MA81080	Lunenburg.	64	ACRES	3
Meetinghouse Pond	MA81083	Westminster.	151	ACRES	3
Mirror Lake	MA81084	Fitchburg.	6	ACRES	3
Mirror Lake	MA81085	Harvard.	28	ACRES	5
Monoosnuc Brook	MA81-13	Headwaters, outlet Simonds Pond, Leominster to mouth at confluence with North Nashua River, Leominster (through former pond segments Pierce Pond MA81101 and Rockwell Pond MA81112).	6.1	MILES	5
Morse Reservoir	MA81086	Leominster.	15	ACRES	3
Muddy Brook	MA81-28	Headwaters west of Shrewsbury Street, West Boylston to mouth at inlet Wachusett Reservoir (South Bay), West Boylston.	0.8	MILES	5
Mulpus Brook	MA81-36	Headwaters, north of Howard Street, Lunenburg to the inlet of Hickory Hills Lake, Lunenburg (formerly part of segment MA81-22).	3.8	MILES	2
Mulpus Brook	MA81-37	From outlet Hickory Hills Lake, Lunenburg to mouth at confluence with the Nashua River, Shirley (formerly part of segment MA81-22).	6.3	MILES	5
MUSCHOPAUGE BROOK	MA81-69	Headwaters, east of Glenwood Road, Rutland to mouth at inlet Quinapoxet Reservoir, Holden.	3.5	MILES	2
Muschopauge Pond	MA81089	Rutland.	61	ACRES	3
Nashua River	MA81-05	From confluence of North Nashua River, Lancaster to confluence of Squannacook River, Shirley/Groton/Ayer.	14.2	MILES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Nashua River	MA81-06	From confluence of Squannacook River, Shirley/Groton/Ayer to Pepperell Dam (NATID: MA00373), Pepperell (through Pepperell Pond formerly segment MA81167).	9.1	MILES	5
Nashua River	MA81-07	From Pepperell Dam (NATID: MA00373), Pepperell to New Hampshire state line, Pepperell/Dunstable.	3.7	MILES	5
Nashua River	MA81-08	("South Branch" Nashua River) Headwaters, outlet Lancaster Millpond, Clinton to Clinton WWTP discharge (NPDES: MA0100404), Clinton.	2.8	MILES	2
Nashua River	MA81-09	("South Branch" Nashua River) From Clinton WWTP discharge (NPDES: MA0100404), Clinton to confluence with North Nashua River, Lancaster.	1.8	MILES	5
Nissitissit River	MA81-21	New Hampshire state line, Pepperell to mouth at confluence with Nashua River, Pepperell.	4.6	MILES	5
Nonacoicus Brook	MA81-17	Outlet Plow Shop Pond, Ayer to mouth at confluence with Nashua River, Ayer/Shirley.	1.4	MILES	5
North Nashua River	MA81-01	Headwaters, outlet Snows Millpond, Fitchburg to Fitchburg Paper Company Dam #1 (NATID: MA00877), Fitchburg.	1.7	MILES	5
North Nashua River	MA81-02	From Fitchburg Paper Company Dam #1 (NATID: MA00877), Fitchburg to Fitchburg East WWTP outfall (NPDES: MA0100986), Leominster.	6.9	MILES	5
North Nashua River	MA81-03	From Fitchburg East WWTP outfall (NPDES: MA0100986), Leominster to Leominster WWTP outfall (NPDES: MA0100617), Leominster.	1.6	MILES	5
North Nashua River	MA81-04	From Leominster WWTP outfall (NPDES: MA0100617), Leominster to mouth at confluence with Nashua River ("South Branch" Nashua River), Lancaster.	10.3	MILES	5
Notown Reservoir	MA81092	Leominster.	241	ACRES	3
Paradise Pond	MA81097	Princeton.	61	ACRES	4C
Partridge Pond	MA81098	Westminster.	25	ACRES	5
PEARL HILL BROOK	MA81-80	Headwaters, outlet Wright Ponds, Ashby to mouth at confluence with Squannacook River, Townsend.	6.7	MILES	5
Phillips Brook	MA81-12	Headwaters, outlet Winnekeag Lake, Ashburnham to Westminster Street (Route 2A/31), Fitchburg (segment includes McTaggarts Pond and unnamed tributary to North Nashua River) (qualifiers apply to 0.0 to 1.0 mile of river per 2007 SWQS, NOTE: CSO eliminated in 2006).	8.4	MILES	2
Pine Hill Reservoir	MA81102	Paxton/Holden/Rutland.	336	ACRES	3
Plow Shop Pond	MA81103	Ayer.	29	ACRES	5
Poor Farm Brook	MA81-52	Headwaters, perennial portion, east of Salisbury Street, Holden to mouth at inlet Chaffin Pond, Holden.	1.2	MILES	3
Quinapoxet Reservoir	MA81108	Holden/Princeton.	266	ACRES	3
Quinapoxet River	MA81-32	Headwaters, outlet Quinapoxet Reservoir, Holden to mouth at inlet Wachusett Reservoir (Thomas Basin), West Boylston.	7.9	MILES	4C
REEDY MEADOW BROOK	MA81-64	Headwaters, Reedy Meadow, Groton to mouth at confluence with Nashua River, Pepperell.	2.3	MILES	3
Robbins Pond	MA81111	Harvard.	11	ACRES	4C
Rocky Brook	MA81-42	Headwaters, outlet Hy-Crest Pond, Sterling to mouth at confluence with Stillwater River, Sterling.	3	MILES	3
Round Meadow Pond	MA81114	Westminster.	54	ACRES	3
Sandy Pond	MA81117	Ayer.	69	ACRES	3

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Sawmill Pond	MA81118	Fitchburg/Westminster.	65	ACRES	4C
Scanlon Brook	MA81-44	Headwaters, west of Birch Drive, Sterling to mouth at confluence with Stillwater River, Sterling.	1.5	MILES	3
Scarletts Brook	MA81-25	Headwaters west of West Boylston Street (Route 12), West Boylston to mouth at confluence with Gates Brook, West Boylston (stream entirely intermittent; per SARIS and the 1983 Worcester North USGS topographic quadrangle).	0.5	MILES	3
Scott Reservoir	MA81119	Fitchburg.	33	ACRES	3
Snows Millpond	MA81127	Fitchburg/Westminster.	38	ACRES	3
SOUTH MEADOW BROOK	MA81-67	Headwaters, outlet Fitch Pond, Sterling to mouth at inlet South Meadow Pond, Clinton.	1.8	MILES	3
South Meadow Pond	MA81129	[East Basin] Clinton.	37	ACRES	3
South Meadow Pond	MA81165	[West Basin] Clinton/Lancaster.	34	ACRES	3
Spectacle Pond	MA81132	Lancaster.	61	ACRES	3
Squannacook River	MA81-18	Headwaters, confluence Mason and Willard brooks, Townsend to Hollingsworth and Vose Dam (NATID: MA00443), Groton/Shirley (through Harbor Pond formerly segment MA81054).	12.6	MILES	5
Squannacook River	MA81-19	Hollingsworth and Vose Dam (NATID: MA00443), Groton/Shirley to mouth at confluence with Nashua River, Shirley/Groton/Ayer.	3.7	MILES	2
Still River	MA81-15	From Route 117, Bolton to mouth at confluence with Nashua River, Harvard/Lancaster.	2.7	MILES	2
Still River	MA81-60	Headwaters, Lancaster to Route 117, Bolton (formerly the upper portion of MA81-15).	0.6	MILES	5
Stillwater River	MA81-31	Headwaters, confluence of Justice and Keyes brooks, Princeton/Sterling to mouth at inlet of Wachusett Reservoir (Stillwater Basin), Sterling.	6.7	MILES	5
Streeter Pond	MA81136	Paxton/Holden.	18	ACRES	3
Stuart Pond	MA81137	Sterling.	42	ACRES	4C
Stump Pond	MA81171	Holden.	27	ACRES	4C
Sucker Brook	MA81-23	Headwaters outlet Coon Tree Pond, Pepperell to mouth at confluence with Nissitissit River, Pepperell.	4	MILES	2
The Quag	MA81170	Sterling.	32	ACRES	3
TRAPFALL BROOK	MA81-77	Headwaters, north of Jones Hill Road, Ashby to mouth at confluence with Willard Brook, Ashby.	5.5	MILES	2
Trout Brook	MA81-26	Headwaters, outlet Cournoyer Pond, Holden to mouth at confluence with Quinepoxet River, Holden.	1.9	MILES	3
Unionville Pond	MA81143	Holden.	19	ACRES	4C
UNKETY BROOK	MA81-81	Headwaters, east of Chicopee Row, Groton to mouth at confluence with Nashua River, Dunstable.	6.7	MILES	2
Unnamed Tributary	MA81-35	Unnamed tributary to Quinepoxet River locally considered "Lower Chaffin Brook", headwaters outlet Unionville Pond, Holden to mouth at confluence with Quinepoxet River, Holden.	0.5	MILES	5
Unnamed Tributary	MA81-46	Unnamed tributary to Rocky Brook, headwaters south of Upper North Row Road, Sterling to mouth at the confluence with Rocky Brook, Sterling.	0.7	MILES	3

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Unnamed Tributary	MA81-49	Unnamed tributary to Wachusett Reservoir, headwaters, outlet Carrolls Pond, West Boylston to mouth at inlet Wachusett Reservoir, West Boylston.	0.8	MILES	3
Unnamed Tributary	MA81-50	Unnamed tributary to Wachusett Reservoir, headwaters, east of Linden Street, Boylston to mouth at inlet Wachusett Reservoir (Hastings Cove), Boylston.	1.3	MILES	3
Unnamed Tributary	MA81-51	Unnamed tributary to Quinapoxet River, headwaters, south of Malden Street, Holden to mouth at confluence with the Quinapoxet River, Holden.	1.5	MILES	3
Unnamed Tributary	MA81-54	Unnamed tributary to Wachusett Reservoir, headwaters, west of Route 140, West Boylston to mouth at inlet Wachusett Reservoir (Stillwater Basin), West Boylston.	0.8	MILES	3
Unnamed Tributary	MA81-58	Unnamed tributary to Quinapoxet Reservoir, headwaters, west of Route 68, Rutland to mouth at confluence with unnamed tributary to the Quinapoxet Reservoir (east of Bryant Road), Holden.	1.3	MILES	3
Unnamed Tributary	MA81-59	Unnamed tributary to Quinapoxet River, headwaters, southwest of Hog Hill, Sterling to mouth at confluence with the Quinapoxet River, West Boylston.	1.6	MILES	3
Unnamed Tributary (Boylston Brook)	MA81-34	Unnamed tributary locally known as "Boylston Brook." Headwaters north of French Drive, Boylston to mouth at confluence with Potash Brook, Boylston.	0.5	MILES	3
Unnamed Tributary (Burnt Mill Pond Brook)	MA81-65	Unnamed tributary to Snows Millpond locally known as "Burnt Mill Pond Brook", headwaters outlet Round Meadow Pond, Westminster to mouth at inlet Snows Millpond, Fitchburg/Westminster.	2	MILES	3
Upper Crow Hill Pond	MA81169	Westminster.	5	ACRES	2
Vinton Pond	MA81145	Townsend.	16	ACRES	3
Wachusett Lake	MA81146	Westminster/Princeton.	129	ACRES	3
Wachusett Reservoir	MA81147	Boylston/West Boylston/Clinton/Sterling.	3962	ACRES	4A
Warren Tannery Brook	MA81-53	Headwaters, perennial portion, north of Route 122A, Holden to mouth at confluence with Asnebumskit Brook, Holden.	1.4	MILES	3
Washacum Brook	MA81-47	Headwaters, outlet West Waushacum Pond, Sterling to mouth at inlet Wachusett Reservoir (Stillwater Basin), West Boylston.	1.8	MILES	3
WEKEPEKE BROOK	MA81-72	Headwaters, outlet Heywood Reservoir, Sterling to mouth at confluence with North Nashua River, Lancaster (includes former segments Bartlett Pond MA81008 and Unnamed Tributary MA81-61).	5.8	MILES	5
West Waushacum Pond	MA81153	Sterling.	111	ACRES	3
White Pond	MA81155	Lancaster/Leominster.	47	ACRES	4C
Whitman River	MA81-11	Headwaters, outlet Lake Wampanoag, Ashburnham to mouth at inlet Snows Millpond, Fitchburg/Westminster (excluding the approximately 1.2 miles through Whitmanville Reservoir segment MA81109 and the approximately 0.8 miles through Crocker Pond segment MA81025).	6.3	MILES	2
Whitmanville Reservoir	MA81109	Westminster/Ashburnham.	107	ACRES	3
Wilder Brook	MA81-43	Headwaters west of Osgood Road, Sterling to mouth at confluence with Stillwater River, Sterling.	2.3	MILES	3

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
WILLARD BROOK	MA81-79	Headwaters, outlet Fitchburg Reservoir, Ashby to mouth at confluence with Mason Brook forming headwaters Squannacook River, Townsend (excluding the approximate 0.3 mile through Ashby Reservoir, segment MA81001).	6.2	MILES	5
Winnekeag Lake	MA81157	Ashburnham.	113	ACRES	3
WITCH BROOK	MA81-75	Headwaters, outlet small unnamed pond west of Pierce Road, Townsend to mouth at confluence with Squannacook River (backwater area), Townsend.	2.5	MILES	2
Wright Pond	MA81159	[West Basin] Ashby.	21	ACRES	3
Wyman Pond	MA81161	Westminster.	198	ACRES	4C
North Coastal					
Alewife Brook	MA93-26	Headwaters, perennial portion just north of B&M Railroad, Rockport to mouth at inlet Babson Reservoir, Gloucester.	1	MILES	3
Alewife Brook	MA93-45	Headwaters, outlet Chebacco Lake, Essex to Landing Road, Essex.	1.4	MILES	2
Alewife Brook	MA93-46	From Landing Road, Essex to mouth at confluence with Essex River, Essex.	0.01	SQUARE MILES	4A
Annisquam River	MA93-12	The waters from the Gloucester Harbor side of the Route 127 bridge, Gloucester to Ipswich Bay at an imaginary line drawn from Bald Rocks to Wigwam Point, Gloucester.	0.82	SQUARE MILES	4A
Babson Reservoir	MA93001	Gloucester.	40	ACRES	3
Bass River	MA93-07	Headwaters, perennial portion west of Wenham Lake, Beverly to the outlet of "lower Shoe Pond" north of Route 62, Beverly (through Shoe Pond formerly MA93068) (portions culverted).	2.1	MILES	5
Bass River	MA93-08	From outlet of "lower Shoe Pond" north of Route 62, Beverly to mouth at confluence with Danvers River and Beverly Harbor, Beverley.	0.12	SQUARE MILES	4A
Beaver Brook	MA93-37	Headwaters, perennial portion west of Route 95, Danvers to mouth at inlet Mill Pond, Danvers.	2.7	MILES	5
Beaverdam Brook	MA93-30	Headwaters west of Main Street, Lynnfield to confluence with Saugus River (Reedy Meadow), Lynnfield.	1.5	MILES	5
Beck Pond	MA93003	Hamilton.	35	ACRES	2
Bennetts Pond Brook	MA93-48	Headwaters east of Lynn Fells Parkway (in Bellevue Golf Course), Melrose to mouth at confluence with Saugus River, Saugus.	2.4	MILES	4A
Beverly Harbor	MA93-20	From the mouth of the Danvers River, Salem/Beverly to an imaginary line from Juniper Point, Salem to Hospital Point, Beverly.	1.02	SQUARE MILES	4A
Birch Pond	MA93004	Saugus/Lynn.	80	ACRES	3
Breeds Pond	MA93006	Lynn.	195	ACRES	3
Browns Pond	MA93008	Peabody.	25	ACRES	3
Buswell Pond	MA93009	Gloucester.	4	ACRES	3
Cape Pond	MA93011	Rockport.	42	ACRES	5
Cat Brook	MA93-29	Headwaters, perennial portion east of Route 128, Manchester to the edge of the designated shellfishing beds east of Powder House Lane, Manchester.	1.5	MILES	5
Causeway Brook	MA93-47	Headwaters, outlet Dexter Pond, Manchester to mouth at confluence with Cat Brook, Manchester.	1.1	MILES	4A
Cedar Pond	MA93013	Peabody.	34	ACRES	4C
Chebacco Lake	MA93014	Hamilton/Essex.	204	ACRES	4A

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Coy Pond	MA93016	Wenham.	23	ACRES	3
Crane Brook	MA93-02	Headwaters, perennial portion east of Route 95, Danvers to mouth at inlet Mill Pond, Danvers.	1.8	MILES	4A
Crane River	MA93-38	Headwaters, outlet Mill Pond, Danvers to outlet of the pump house sluiceway, Purchase Street, Danvers (formerly a portion of MA93-03).	0.3	MILES	5
Crane River	MA93-41	From outlet pump house sluiceway, Purchase Street, Danvers to mouth at confluence with Danvers River, Danvers (formerly a portion of MA93-03, includes Crane River Pond formerly MA93017).	0.07	SQUARE MILES	4A
Crystal Lake	MA93018	Wakefield/Stoneham.	79	ACRES	3
Danvers River	MA93-09	From confluence of Porter, Crane and Waters rivers, Danvers to mouth at confluence with Bass and North rivers and Beverly Harbor, Beverly/Salem.	0.53	SQUARE MILES	4A
Days Pond	MA93092	Gloucester.	0.5	ACRES	4C
Edgewater Office Park Pond	MA93094	Wakefield.	15	ACRES	4C
Essex Bay	MA93-16	The waters landward of Ipswich Bay contained within an imagiany line drawn from the northwestern tip of Gloucester near Coffins Beach to the southern tip of Castle Neck, Ipswich to the eastern most point of Dilly Island, Essex (mouth of Castle Neck River) and then from Cross Island, Essex to Conomo Point, Essex (mouth of Essex River) excluding Walker, Lanes, and Farm creeks.	0.97	SQUARE MILES	4A
Essex River	MA93-11	Source east of Southern Avenue, Essex to mouth at Essex Bay, Essex.	0.51	SQUARE MILES	4A
Fernwood Lake	MA93022	Gloucester.	25	ACRES	3
First Pond	MA93081	Saugus (also known as Upper Griswold Pond).	4	ACRES	4C
Flax Pond	MA93023	Lynn.	55	ACRES	5
Floating Bridge Pond	MA93024	Lynn.	12	ACRES	5
Forest River	MA93-10	From saltwater wetlands upstream of Loring Avenue, Salem to mouth at confluence with Salem Harbor, Salem.	0.03	SQUARE MILES	5
Foster Pond	MA93026	Swampscott.	5	ACRES	5
Frost Fish Brook	MA93-36	From Cabot Road, Danvers to mouth at confluence with Porter River, Route 62, Danvers.	1	MILES	4A
Gloucester Harbor	MA93-18	The waters landward of an imaginary line drawn between Mussel Point, Gloucester and the tip of the Dog Bar Breakwater, Gloucester excluding the Annisquam River.	2.32	SQUARE MILES	5
Goldthwait Brook	MA93-05	Headwaters, outlet Cedar Pond, Peabody to mouth at confluence with Proctor Brook, Peabody (portions culverted).	3.3	MILES	5
Goose Cove Reservoir	MA93093	Gloucester.	58	ACRES	3
Gravelly Pond	MA93028	Hamilton.	50	ACRES	3
Griswold Pond	MA93029	Saugus.	13	ACRES	4C
Haskell Pond	MA93031	Gloucester.	58	ACRES	3
Hawkes Brook	MA93-32	Headwaters near the Lynn/Lynnfield border to the inlet of Hawkes Pond, Lynnfield.	2.6	MILES	4A
Hawkes Brook	MA93-33	From outlet of Hawkes Pond, Saugus to mouth at confluence with Saugus River, Saugus.	1.1	MILES	4A
Hawkes Pond	MA93032	Lynnfield/Saugus.	65	ACRES	5
Lake Quannapowitt	MA93060	Wakefield.	246	ACRES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Lily Pond	MA93039	Gloucester.	24	ACRES	5
Lower Pond	MA93044	Saugus.	21	ACRES	2
Lynn Harbor	MA93-52	The "inner" portion of Lynn Harbor; the waters landward of an imaginary line drawn from Black Rock Point, Nahant to the eastern edge of Point of Pines, Revere excluding the Saugus River (formerly a portion of MA93-23).	1.62	SQUARE MILES	4A
Lynn Harbor	MA93-53	The "outer" portion of Lynn Harbor; the waters landward of an imaginary line drawn from Baileys Hill, Nahant to the eastern point of Winthrop Highlands, Winthrop to the seaward edge of the "inner" portion of Lynn Harbor (at an imaginary line drawn from Black Rock Point, Nahant to the eastern edge of Point of Pines, Revere) (formerly a portion of MA93-23).	6.57	SQUARE MILES	4A
Manchester Harbor	MA93-19	The waters landward of an imaginary line drawn between Gales Point, Manchester and Chubb Point, Manchester excluding Cat Brook.	0.33	SQUARE MILES	4A
Marblehead Harbor	MA93-22	The waters landward of an imaginary line drawn northwesterly from the northern tip of Marblehead Neck, Marblehead to Fort Sewall, Marblehead.	0.57	SQUARE MILES	4A
Mill Pond	MA93-60	East of Route 127, Gloucester (formerly Mill Pond MA93050).	0.03	SQUARE MILES	3
Mill River	MA93-28	Headwaters, outlet Mill Pond, Gloucester to mouth at confluence with Annisquam River, Gloucester.	0.1	SQUARE MILES	4A
Mill River	MA93-31	Headwaters in wetlands north of Salem Street, Wakefield to mouth at confluence with Saugus River, Wakefield.	2	MILES	5
Nahant Bay	MA93-24	The waters landward of an imaginary line drawn between Galloupes Point, Swampscott and East Point, Nahant.	5.12	SQUARE MILES	4A
Niles Pond	MA93052	Gloucester.	34	ACRES	3
North River	MA93-42	Downstream of Route 114 bridge (Proctor Brook becomes North River at this bridge), Salem to mouth at confluence with Danvers River and Beverly Harbor, Salem (formerly part of MA93-06).	0.15	SQUARE MILES	5
Pillings Pond	MA93056	Lynnfield.	90	ACRES	5
Pines River	MA93-15	Headwaters east of Route 1, Revere/Saugus to mouth at confluence with the Saugus River and Lynn Harbor, Saugus/Revere (through Seaplane Basin formerly MA93067).	0.58	SQUARE MILES	4A
Porter River	MA93-04	Headwaters, confluence with Frost Fish Brook, Route 62, Danvers to mouth at confluence with Danvers River, Danvers (includes Porters Pond formerly MA93058).	0.13	SQUARE MILES	4A
Proctor Brook	MA93-39	Headwaters, outlet small pond in wetland north of Downing Road, Peabody to Grove/Goodhue Street bridge, Salem (formerly part of MA93-06) (interrupted urban).	2.9	MILES	5
Proctor Brook	MA93-40	From Grove/Goodhue Street bridge, Salem to mouth at Route 114 culvert, Salem (formerly part of MA93-06).	0.01	SQUARE MILES	5
Quarry Reservoir	MA93053	Rockport.	7	ACRES	3
Rockport Harbor	MA93-57	Waters landward of an imaginary line from Gully Point, Rockport to Granite Pier, Rockport (including Back Harbor and a portion of Sandy Bay) (includes area formerly reported as segment MA93-17).	0.35	SQUARE MILES	4A
Round Pond	MA93063	Hamilton.	37	ACRES	3

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Rum Rock Lake	MA93064	Rockport.	10	ACRES	3
Salem Harbor	MA93-54	Waters landward of an imaginary line from Naugus Head, Marblehead to the northwest point of Bakers Island, Salem to Hospital Point, Beverly to Juniper Point, Salem (excluding Forest River) (formerly segment MA93-21 Salem Harbor and a portion of segment MA93-25 Salem Sound [water body code 93907]).	4.91	SQUARE MILES	5
Salem Sound	MA93-55	Northern portion of Salem Sound, waters landward of and within imaginary lines from Chubb Point, Manchester to Gales Point, Manchester to the northwest point of Bakers Island, Salem to Hospital Point, Beverly (formerly reported as a portion of segment MA93-25 Salem Sound [water body code 93907]).	3.46	SQUARE MILES	4A
Salem Sound	MA93-56	Southern portion of Salem Sound, waters landward of and within imaginary lines from Fort Sewall, Marblehead to the Marblehead Lighthouse on Marblehead Neck, Marblehead to the northwest point of Bakers Island, Salem to Naugus Head, Marblehead (formerly a portion of MA93-25 Salem Sound [water body code 93907]).	2.55	SQUARE MILES	4A
Saugus River	MA93-34	Headwaters, outlet Lake Quannapowitt, Wakefield (thru Reedy Meadow) to Lynn Water & Sewer Commission diversion canal, Wakefield/Lynnfield (canal diverts to Hawks Pond) (formerly part of segment MA93-13).	3.1	MILES	5
Saugus River	MA93-35	From the Lynn Water & Sewer Commission diversion canal, Wakefield/Lynnfield to Saugus Iron Works, Bridge Street, Saugus (formerly part of segment MA93-13).	5.4	MILES	4A
Saugus River	MA93-43	From Saugus Iron Works, Bridge Street, Saugus to Lincoln Avenue/Boston Street, Saugus/Lynn (formerly a portion of MA93-14).	0.04	SQUARE MILES	5
Saugus River	MA93-44	From Lincoln Avenue/Boston Street, Saugus/Lynn to mouth (east of Route 1A) at Lynn Harbor, Lynn/Revere (formerly a portion of MA93-14).	0.36	SQUARE MILES	5
Shute Brook	MA93-49	From saltwater wetland downstream of Central Street, Saugus to mouth at confluence with the Saugus River, Saugus.	0.01	SQUARE MILES	4A
Shute Brook	MA93-50	From the confluence of Fiske Brook, Saugus to approximately 350 feet downstream from Central Street, Saugus.	0.9	MILES	4A
Sluice Pond	MA93071	Lynn.	42	ACRES	4C
Spring Pond	MA93072	Saugus.	8	ACRES	4C
Spring Pond	MA93073	[South Basin] Peabody/Lynn/Salem.	67	ACRES	3
Spring Pond	MA93074	[North Basin] Peabody.	17	ACRES	3
Strangman Pond	MA93076	Gloucester.	3	ACRES	5
Swains Pond	MA93095	Melrose.	3	ACRES	4C
Unnamed Tributary	MA93-27	Headwaters, outlet Babson Reservoir, Gloucester to culvert outlet into saltwater wetland northwest of Bertoni Road, Gloucester (portion culverted).	0.4	MILES	3
Unnamed Tributary	MA93-51	Unnamed tributary locally known as "Town Line Brook", from Route 99, Malden to mouth at confluence with Pines River, Revere.	0.02	SQUARE MILES	5
Unnamed Tributary	MA93-58	Unnamed tributary to Beverly Cove, perennial portion, Route 22, Beverly to saltwater wetlands south of Route 127, Beverly.	2.1	MILES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Unnamed Tributary	MA93-59	Unnamed tributary to Chubb Creek, headwaters west of Hale Street, Beverly to mouth at confluence with Chubb Creek east of Route 127, Beverly.	0.8	MILES	5
Upper Banjo Pond	MA93080	Gloucester.	11	ACRES	5
Upper Pond	MA93083	Saugus.	13	ACRES	3
Walden Pond	MA93084	Lynn/Saugus/Lynnfield.	222	ACRES	3
Wallace Pond	MA93085	Gloucester.	22	ACRES	3
Waters River	MA93-01	From west of Route 128, Peabody/Danvers to mouth at confluence with Danvers River and Beverly Harbor, Danvers (includes Waters River Pond formerly MA93088).	0.09	SQUARE MILES	4A
West Pond	MA93089	Gloucester.	7	ACRES	5
Parker					
Baldpate Pond	MA91001	Boxford.	60	ACRES	5
Bull Brook	MA91-04	Headwaters south of Linebrook Road, Ipswich to mouth at inlet Bull Brook Reservoir, Ipswich.	1.4	MILES	3
Bull Brook Reservoir	MA91002	Ipswich.	7	ACRES	3
Central Street Pond	MA91003	Rowley.	3	ACRES	3
Crane Pond	MA91004	Groveland.	22	ACRES	3
Dow Brook Reservoir	MA91005	Ipswich.	16	ACRES	3
Eagle Hill River	MA91-06	Headwaters north of Town Hill, east of Town Farm Road, Ipswich to the mouth at Plum Island Sound, Ipswich.	0.35	SQUARE MILES	5
Egypt River	MA91-13	Outlet Bull Brook Reservoir, Ipswich to east of Jewett Hill (Latitude 42:42:23.40, Longitude 70:51:47.58 DMS), Ipswich.	1.1	MILES	3
Egypt River	MA91-14	East of Jewett Hill (Latitude 42:42:23.40, Longitude 70:51:47.58 DMS), Ipswich to mouth at confluence with Rowley River, Rowley/Ipswich.	0.03	SQUARE MILES	5
Jackman Brook	MA91-07	Perennial portion northeast of intersection of Jewett and Tenney streets, Georgetown to mouth at confluence with Wheeler Brook, Georgetown.	0.8	MILES	3
Little Crane Pond	MA91007	West Newbury.	4	ACRES	3
Little River	MA91-11	Scotland Road/Parker Street, Newbury/Newburyport to mouth at confluence with Parker River, Newbury.	0.09	SQUARE MILES	5
Mill River	MA91-08	Headwaters - Outlet of small unnamed pond between Route 95 and Rowley Road, Boxford to Route 1, Rowley/Newbury (through Upper Mill Pond formerly segment MA91015 and Lower Mill Pond formerly segment MA91008).	6.9	MILES	5
Mill River	MA91-09	Route 1, Rowley/Newbury to mouth at confluence with Parker River, Newbury.	0.09	SQUARE MILES	5
Ox Pasture Brook	MA91-10	Headwaters - Outlet of small unnamed impoundment east of Bradford Street, Rowley to the outlet of a small unnamed impoundment west of Ox Pasture Hill, Rowley.	2.5	MILES	3
Paine Creek	MA91-03	Headwaters east of Town Farm Road, Ipswich to confluence with Eagle Hill River, Ipswich.	0.06	SQUARE MILES	5
Parker River	MA91-01	Source north of Silver Mine Road, Boxford to Central Street, Newbury (excluding Sperry Pond segment MA91013, Rock Pond segment MA91012, Pentucket Pond segment MA91010, and Crane Pond segment MA91004).	12.3	MILES	4C

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Parker River	MA91-02	Central Street, Newbury to mouth at Plum Island Sound, Newbury.	0.6	SQUARE MILES	5
Penn Brook	MA91-16	Headwaters, outlet Baldpate Pond, Boxford to mouth at confluence with Parker River, Georgetown.	3	MILES	2
Pentucket Pond	MA91010	Georgetown.	92	ACRES	5
Plum Island River	MA91-15	From "high sandy" sandbar just north of the confluence with Pine Island Creek, Newbury to confluence with Plum Island Sound, Newbury.	0.39	SQUARE MILES	5
Plum Island Sound	MA91-12	From the mouth of both the Parker River and Plum Island River, Newbury to the Atlantic Ocean, Ipswich (Includes Ipswich Bay).	4.47	SQUARE MILES	5
Quills Pond	MA91011	Newbury.	2	ACRES	3
Rock Pond	MA91012	Georgetown.	49	ACRES	5
Rowley River	MA91-05	Headwaters, confluence with Egypt River, Rowley/Ipswich to mouth at Plum Island Sound, Rowley/Ipswich.	0.25	SQUARE MILES	5
Sperrys Pond	MA91013	Boxford.	26	ACRES	3
State Street Pond	MA91014	Newburyport.	4	ACRES	4C
Wilson Pond	MA91017	Rowley.	5	ACRES	3
Quinebaug					
Alum Pond	MA41001	Sturbridge.	198	ACRES	5
BREAKNECK BROOK	MA41-28	Headwaters outlet Breakneck Pond, Sturbridge to mouth at confluence with Quinebaug River, Sturbridge.	3.7	MILES	2
Browns Brook	MA41-20	From the state line Holland, MA/Union, CT to mouth at inlet of Hamilton Reservoir, Holland.	0.8	MILES	2
Cady Brook	MA41-05	Headwaters, outlet of Glen Echo Lake, Charlton to Charlton WWTP outfall (NPDES: MA0101141), Charlton.	1.5	MILES	5
Cady Brook	MA41-06	Charlton WWTP outfall (NPDES: MA0101141), Charlton to mouth at confluence with the Quinebaug River, Southbridge.	5.1	MILES	5
Cedar Pond	MA41008	Sturbridge.	149	ACRES	4C
Cohasse Brook	MA41-12	From the outlet of Cohasse Brook Reservoir, Southbridge through Wells Pond (formerly pond segment MA41053) to mouth at confluence with the Quinebaug River, Southbridge.	2.7	MILES	5
East Brimfield Reservoir	MA41014	Brimfield/Sturbridge.	313	ACRES	4A
Glen Echo Lake	MA41017	Charlton.	115	ACRES	5
Hamant Brook	MA41-15	Headwaters, outlet unnamed pond, Sturbridge to mouth at confluence with the Quinebaug River, Sturbridge.	3.1	MILES	2
Hamilton Reservoir	MA41019	Holland (size indicates portion in Massachusetts).	386	ACRES	4C
Hatchet Brook	MA41-14	From the outlet of No. 3 Reservoir, Southbridge to mouth at confluence with the Quinebaug River, Southbridge.	1.3	MILES	2
Holland Pond	MA41022	Holland.	66	ACRES	4A
Hollow Brook	MA41-24	Headwaters, west of Hollow Road, Wales to mouth at confluence with Mill Brook, Brimfield.	2.7	MILES	2
Lake George	MA41016	Wales.	93	ACRES	3
Leadmine Brook	MA41-21	Headwaters, outlet Leadmine Pond, Sturbridge to the state line, Sturbridge, MA/Union, CT.	2.5	MILES	2
Leadmine Pond	MA41027	Sturbridge.	52	ACRES	3
Lebanon Brook	MA41-11	From the state line, Southbridge, MA/Woodstock, CT, to mouth at confluence with the Quinebaug River, Southbridge.	4.7	MILES	2

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Little Alum Pond	MA41029	Brimfield.	73	ACRES	3
McIntyre Pond	MA41031	Charlton.	11	ACRES	3
McKinstry Brook	MA41-13	Headwaters, east of Brookfield Road, Charlton (excluding intermittent portion) to mouth at confluence with the Quinebaug River, Southbridge.	7.3	MILES	5
Mill Brook	MA41-07	From inlet of Mill Road Pond (formerly pond segment MA41032), Brimfield to mouth at confluence with Quinebaug River, Brimfield.	4.7	MILES	4C
Monson Road Pond	MA41059	Wales.	4	ACRES	3
Morse Pond	MA41033	Southbridge.	41	ACRES	5
Mountain Brook	MA41-18	Headwaters, east of Steerage Rock Road (excluding intermittent portion), Brimfield to mouth at confluence with Mill Brook, Brimfield.	1.9	MILES	2
New Boston Road Pond	MA41035	Sturbridge.	13	ACRES	3
No. 3 Reservoir	MA41038	Southbridge.	23	ACRES	3
No. 4 Reservoir	MA41039	Southbridge.	69	ACRES	3
No. 5 Reservoir	MA41040	Southbridge.	30	ACRES	3
Pistol Pond	MA41057	Sturbridge.	5	ACRES	5
Prindle Lake	MA41043	Charlton.	75	ACRES	3
Quinebaug River	MA41-01	Outlet Hamilton Reservoir, Holland, to Sturbridge WWTP outfall (NPDES: MA0100421), Sturbridge (excluding Holland Pond segment MA41022 and East Brimfield Reservoir segment MA41014).	8.2	MILES	5
Quinebaug River	MA41-02	Sturbridge WWTP outfall (NPDES: MA0100421), Sturbridge to confluence with Cady Brook, Southbridge.	6.5	MILES	5
Quinebaug River	MA41-03	Southbridge WWTP outfall (NPDES: MA0100901), Southbridge to dam (NAT ID: MA00114) just upstream of West Dudley Road, Dudley.	2.2	MILES	5
Quinebaug River	MA41-04	From dam (NAT ID: MA00114) just upstream of West Dudley Road, Dudley to Connecticut state line, Dudley.	2.2	MILES	5
Quinebaug River	MA41-09	From confluence with Cady Brook, Southbridge to Southbridge WWTP outfall (NPDES: MA0100901), Southbridge.	1.3	MILES	5
Railroad Pond	MA41058	Charlton.	7	ACRES	4C
Rocky Brook	MA41-22	Headwaters east of Chamberlain Pond (excluding intermittent portion), Douglas to the state line Douglas, MA/Thompson, CT.	1.9	MILES	2
Sherman Pond	MA41046	Brimfield.	76	ACRES	4C
Sibley Pond	MA41047	North Basin, Charlton.	22	ACRES	5
Sibley Pond	MA41048	South Basin, Charlton.	19	ACRES	5
Stevens Brook	MA41-19	From the state line Wales, MA/Stafford, CT to mouth at inlet of Hamilton Reservoir, Holland.	4.7	MILES	2
Sylvestri Pond	MA41049	Dudley.	30	ACRES	4C
Tufts Branch	MA41-10	Headwaters, north of Dudley-Southbridge Road, Dudley to the state line, Dudley, MA/Thompson, CT.	2.8	MILES	2
Unnamed Tributary	MA41-16	Unnamed tributary to Mill Brook, headwaters, outlet Sherman Pond, Brimfield to mouth at confluence with Mill Brook, Brimfield.	1.2	MILES	5
Unnamed Tributary	MA41-23	Unnamed tributary to the Quinebaug River from headwaters at the outlet of an unnamed pond on the Southbridge/Charlton border to mouth at confluence with the Quinebaug River, Southbridge.	1.9	MILES	2
Unnamed Tributary	MA41-25	Unnamed tributary to Tufts Branch, headwaters, outlet Wielock Pond, Dudley to mouth at confluence with Tufts Branch, Dudley.	0.2	MILES	2

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Unnamed Tributary	MA41-26	Unnamed tributary locally known as 'Freeman's Brook' from headwaters west of Cronin Road, Warren to an unnamed tributary to Long Pond, Sturbridge.	2.6	MILES	2
Unnamed Tributary	MA41-27	Unnamed tributary to Mill Brook, headwaters south of East Hill Road, Brimfield to mouth at confluence with Mill Brook, Brimfield.	1.7	MILES	2
Wales Brook	MA41-08	Headwaters, outlet Lake George, Wales to mouth at confluence with Mill Brook, Brimfield.	5.2	MILES	3
Walker Pond	MA41052	Sturbridge.	104	ACRES	4C
West Brook	MA41-17	Headwaters, west of the Dix Hill Road/Route 19 intersection (excluding intermittent portion), Brimfield to mouth at confluence with Mill Brook, Brimfield.	1.8	MILES	5
Wielock Pond	MA41056	Dudley.	6	ACRES	3
Shawsheen					
Ames Pond	MA83001	Tewksbury.	76	ACRES	5
Bakers Meadow Pond	MA83002	Andover.	21	ACRES	3
Ballardvale Impoundment	MA83011	Andover (Lowell Junction Pond).	35	ACRES	5
Content Brook	MA83-09	Headwaters, outlet Richardson Pond, Billerica, to confluence with Shawsheen River, Tewksbury.	2.4	MILES	5
ELM BROOK	MA83-23	Headwaters, south of Route 2A, Lincoln to beginning of channelized portion southwest of Kendall Court, Bedford (formerly part of segment MA83-05).	2.7	MILES	2
ELM BROOK	MA83-24	From beginning of channelized portion soutwest of Kendall Court, Bedford to confluence with Shawsheen River, Bedford (formerly part of segment MA83-05).	2.4	MILES	5
Fawn Lake	MA83004	Bedford.	12	ACRES	3
Fosters Pond	MA83005	Andover/Wilmington.	109	ACRES	5
Gravel Pit Pond	MA83007	Andover (Hussey Brook Pond East).	5	ACRES	4C
Hussey Brook Pond	MA83008	Andover.	0.5	ACRES	3
Hussey Pond	MA83009	Andover.	1	ACRES	5
Kiln Brook	MA83-10	Outlet unnamed pond (in Pine Meadows Country Club), Lexington, to confluence with Shawsheen River, Bedford.	1.5	MILES	4A
Long Meadow Brook	MA83-11	Wetland east of Lexington Street and north of Independence Drive, Burlington, to confluence with Vine Brook, Burlington.	1.3	MILES	4A
Long Pond	MA83010	Tewksbury.	44	ACRES	5
Meadow Brook	MA83-12	Headwaters, outlet Ames Pond, Tewksbury, to confluence with Strong Water Brook, Tewksbury.	1.7	MILES	2
Pomps Pond	MA83014	Andover.	25	ACRES	5
Pond Street Pond	MA83021	Billerica (unnamed pond west of Pond Street).	4	ACRES	3
Rabbit Pond	MA83015	Andover.	2	ACRES	5
Richardson Pond North	MA83020	Billerica/Tewksbury.	46	ACRES	3
Rogers Brook	MA83-04	From outlet of unnamed impoundment upstream of Morton Street, Andover (Prior to 1997 cycle listed as "Headwaters Billerica...") to confluence with Shawsheen River, Andover.	1.3	MILES	4A
Round Pond	MA83018	Tewksbury.	25	ACRES	3
Sandy Brook	MA83-13	Headwaters north of Bedford Street and east of Fairfax Street, Burlington to confluence with Vine Brook, Burlington.	1.2	MILES	4A

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Shawsheen River	MA83-01	Summer Street (historcally listed as Maguire Road), Bedford to confluence with Spring Brook, Bedford.	1.6	MILES	5
Shawsheen River	MA83-08	Headwater, north of Folly Pond and North Great Road, Lincoln to Summer Street, Bedford.	2.1	MILES	5
Shawsheen River	MA83-17	Confluence with Spring Brook, Bedford to the Burlington Water Department's surface water intake, Billerica. (Formerly part of segment MA83-02, changed for 2004 cycle).	5.7	MILES	5
Shawsheen River	MA83-18	Burlington Water Department's surface water intake, Billerica to the inlet of Ballardvale Impoundment, Andover (formerly part of segment MA83-02, changed for 2004 cycle) (since 2016 cycle: excludes Ballardvale Impoundment, pond segment MA83011).	9.5	MILES	4A
Shawsheen River	MA83-19	Outlet of Ballardvale Impoundment, Andover to the confluence with the Merrimack River, Lawrence. (Formerly part of segment MA83-02 and all of MA83-03, changed for 2004 cycle).	8.2	MILES	4A
Spring Brook	MA83-14	Headwaters, wetland northeast of Route 3 Billerica, to confluence with Shawsheen River, Bedford.	2.6	MILES	2
Strong Water Brook	MA83-07	Headwaters northeast of Long Pond, Tewksbury to confluence with Shawsheen River, Tewksbury.	4.9	MILES	4A
Unnamed Tributary	MA83-15	Unnamed tributary to Meadow Brook, also known as "Pinnacle Brook" - from small wetland east of Route 93, Andover, to confluence with Meadow Brook, Tewksbury (includes intermittent portion).	2.1	MILES	5
Unnamed Tributary	MA83-16	Unnamed tributary to Shawsheen River also known as "Fosters Brook" - outlet Fosters Pond, Andover through River Street Pond to confluence with Shawsheen River at Lowell Junction Pond, Andover.	1	MILES	3
Unnamed Tributary	MA83-20	Unnamed intermittent tributary to the Shawsheen River, from Dascomb Road, Andover to confluence with Shawsheen River, Tewksbury.	0.9	MILES	5
Unnamed Tributary	MA83-21	Unnamed intermittent tributary to the Shawsheen River locally known as 'Sutton Brook', from headwaters north of Research Drive, Wilmington to confluence with the Shawsheen River, Tewksbury.	3	MILES	4A
Vine Brook	MA83-06	Headwaters (southeast of Granny Hill) near Grant Street, Lexington to confluence with Shawsheen River, Bedford (through Butterfield Pond formerly segment MA83003).	6.8	MILES	5
WEBB BROOK	MA83-22	Headwaters north of Webb Brook Road, Billerica to confluence with Shawsheen River, Billerica.	1.6	MILES	5
South Coastal					
Aaron River	MA94-28	Outlet Aaron River Reservoir, Cohasset to flow control structure near Beechwood Street (confluence with Bound Brook), Cohasset.	1	MILES	5
Aaron River Reservoir	MA94178	Cohasset/Hingham/Scituate.	136	ACRES	4A
Arnold School Pond	MA94004	Pembroke.	12	ACRES	3
Bartlett Pond	MA94005	Plymouth.	33	ACRES	2
Beaver Dam Pond	MA94006	Plymouth.	29	ACRES	4C
BEN MANN BROOK	MA94-41	Headwaters, south of Abington Rockland Reservoir, Rockland to mouth at confluence with Cushing Brook, Hanover.	2	MILES	2
Billington Sea	MA94007	Plymouth.	263	ACRES	5
Black Jimmy Pond	MA94008	Plymouth.	9	ACRES	3
Black Mountain Pond	MA94009	Marshfield.	17	ACRES	4C

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Bloody Pond	MA94015	Plymouth.	101	ACRES	3
Bluefish River	MA94-30	Saltmarsh north of Harrison Street, Duxbury to mouth at Duxbury Bay, Duxbury.	0.07	SQUARE MILES	4A
Boot Pond	MA94016	Plymouth.	69	ACRES	3
Bound Brook	MA94-18	Headwaters, flow control structure near Beechwood Street, Cohasset to mouth at outlet Hunters Pond (confluence with The Gulf), Scituate.	2.1	MILES	5
Bound Brook Pond	MA94017	Norwell.	21	ACRES	3
Briggs Reservoir	MA94019	Plymouth.	24	ACRES	4C
Briggs Reservoir	MA94020	Plymouth.	17	ACRES	4C
Cohasset Cove	MA94-32	The waters south of a line drawn from the Bassing Beach jetty, Scituate westerly to the opposite shore, Cohasset excluding Baileys Creek and The Gulf.	0.09	SQUARE MILES	4A
Cohasset Harbor	MA94-01	The waters south of a line drawn from the northwestern point of Scituate Neck, Scituate to just north of Quarry Point, Cohasset not including Cohasset Cove, Cohasset/Scituate.	0.7	SQUARE MILES	4A
Cooks Pond	MA94027	Plymouth.	21	ACRES	4C
Crossman Pond	MA94032	Kingston.	13	ACRES	5
CUSHING BROOK	MA94-40	Headwaters (perennial portion), east of Pleasant Street, Rockland to mouth at confluence with Drinkwater River, Hanover.	3.1	MILES	5
Drinkwater River	MA94-21	From Whiting Street, Hanover to mouth at inlet Factory Pond, Hanover (through Forge Pond, formerly segment MA94037).	3.5	MILES	5
Duxbury Bay	MA94-15	The waters north and west of a line from Saquish Head to the tip of Plymouth Beach and from there to High Cliff (includes Kingston Bay), Plymouth excluding Back River and Bluefish River, Duxbury and Jones River, Kingston.	12.7	SQUARE MILES	4A
EEL RIVER	MA94-37	Headwaters (restored), southeast of College Pond Road, Plymouth to inlet Russell Millpond, Plymouth (formerly reported as portion of segment MA94-23).	1.1	MILES	4C
EEL RIVER	MA94-38	From outlet Russell Millpond, Plymouth to mouth at Plymouth Harbor, Plymouth (formerly reported as portion of segment MA94-23).	2.7	MILES	4C
Elbow Pond	MA94035	Plymouth.	21	ACRES	3
Ellisville Harbor	MA94-34	east of Ellisville Road, Plymouth.	0.01	SQUARE MILES	4A
Factory Pond	MA94175	Hanson/Hanover.	51	ACRES	5
FIRST HERRING BROOK	MA94-36	Headwaters, in South Swamp, Norwell to inlet Tack Factory Pond, Scituate (formerly reported as portion of segment MA94-25).	2.6	MILES	2
Foundry Pond	MA94038	Kingston.	7	ACRES	5
French Stream	MA94-03	Headwaters on the southeast side of the South Weymouth Naval Air Station, Rockland to mouth at confluence with Drinkwater River, Hanover (excluding the approximately 0.3 mile through Studleys Pond).	5.8	MILES	5
Fresh Pond	MA94040	Plymouth.	60	ACRES	3
Furnace Pond	MA94043	Pembroke.	103	ACRES	5
Governor Winslow House Pond	MA94047	Marshfield.	23	ACRES	3
Great Herring Pond	MA94050	Bourne/Plymouth.	415	ACRES	4A
Great Sandy Bottom Pond	MA94053	Pembroke.	103	ACRES	3
Great South Pond	MA94054	Plymouth.	285	ACRES	4A

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Green Harbor	MA94-11	From the tidegates at Route 139, Marshfield to the mouth of the harbor at Massachusetts Bay/Cape Cod Bay, Marshfield.	0.08	SQUARE MILES	4A
Green Harbor River	MA94-10	Headwaters, outlet Black Mountain Pond, Marshfield to the tidegate at Route 139, Marshfield.	5.7	MILES	5
Gunners Exchange Pond	MA94055	Plymouth.	26	ACRES	3
Harrobs Corner Bog Pond	MA94061	Plympton.	20	ACRES	3
Hedges Pond	MA94065	Plymouth.	27	ACRES	3
Herring Brook	MA94-29	Headwaters, outlet Lily Pond, Cohasset to mouth at confluence with Aaron River, Cohasset.	0.3	MILES	4C
Herring River	MA94-07	Headwaters, outlet Old Oaken Bucket Pond, Scituate to mouth at confluence with North River, Scituate.	0.08	SQUARE MILES	4A
Hobomock Pond	MA94177	Pembroke.	13	ACRES	3
Hoyts Pond	MA94070	Plymouth.	20	ACRES	3
Indian Head Pond	MA94071	Hanson.	120	ACRES	5
Indian Head River	MA94-04	Headwaters, outlet Factory Pond, Hanover/Hanson to Curtis Crossing Dam (also called Ludhams Ford Dam (NATID: MA00428)) west of Elm Street, Hanover/Pembroke.	2.8	MILES	5
Indian Head River	MA94-22	From Curtis Crossing Dam (also called Ludhams Ford Dam (NATID: MA00428)) west of Elm Street, Hanover/Pembroke to mouth at confluence with Herring Brook, (forming headwaters of North River) Hanover/Pembroke.	0.9	MILES	5
Indian Pond	MA94072	Kingston/Plympton.	64	ACRES	3
Iron Mine Brook	MA94-24	Headwaters north of Route 139, Hanover to mouth at confluence with Indian Head River, Hanover (area associated with North River Corridor designated as ORW).	1.4	MILES	2
Island Creek Pond	MA94073	Duxbury.	40	ACRES	4C
Island Pond	MA94074	[west of the locality of Cedarville] Plymouth.	52	ACRES	3
Island Pond	MA94075	[locally known as Great Island Pond] Plymouth.	80	ACRES	4C
Island Pond	MA94076	[south of locality of South Pond] Plymouth.	12	ACRES	3
Jacobs Pond	MA94077	Norwell.	61	ACRES	4C
Jones River	MA94-12	Headwaters, outlet Silver Lake, Kingston to dam (NATID: MA00396) near Wapping Road, Kingston.	4.1	MILES	5
Jones River	MA94-13	From dam (NATID: MA00396) near Wapping Road, Kingston to dam (NATID: MA00395) at Elm Street, Kingston.	0.9	MILES	5
Jones River	MA94-14	From dam (NATID: MA00395) at Elm Street, Kingston to mouth at Kingston Bay, Kingston.	0.09	SQUARE MILES	4A
Keene Pond	MA94079	Duxbury.	11	ACRES	3
Lily Pond	MA94179	Cohasset.	50	ACRES	5
Little Harbor	MA94-20	Cove south of Nichols Road, west of Atlantic Avenue, and north of Cohasset center, Cohasset.	0.24	SQUARE MILES	4A
Little Herring Pond	MA94082	Plymouth.	81	ACRES	3
Little Pond	MA94182	Plymouth.	40	ACRES	3
Little Sandy Bottom Pond	MA94085	Pembroke.	56	ACRES	3
Little South Pond	MA94087	Plymouth.	63	ACRES	3
Long Island Pond	MA94088	Plymouth.	33	ACRES	4C

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
LONGWATER BROOK	MA94-39	Headwaters, south of Route 3, Norwell to mouth at confluence with Drinkwater River, Hanover.	2.8	MILES	5
Lorings Bogs Pond	MA94089	Duxbury.	33	ACRES	4C
Lout Pond	MA94090	Plymouth.	18	ACRES	3
Lower Chandler Pond	MA94091	Duxbury/Pembroke.	37	ACRES	4C
Maquan Pond	MA94096	Hanson.	45	ACRES	3
Mill Pond	MA94101	Duxbury.	7	ACRES	3
Morey Hole	MA94102	Plymouth.	22	ACRES	3
Musquashcut Pond	MA94-33	Scituate (formerly reported as MA94105).	0.11	SQUARE MILES	5
North Hill Marsh Pond	MA94109	Duxbury.	43	ACRES	3
North River	MA94-05	Headwaters, confluence of Indian Head River and Herring Brook, Hanover/Pembroke to Route 3A, Marshfield/Scituate.	0.3	SQUARE MILES	5
North River	MA94-06	Route 3A, Marshfield/Scituate to confluence with South River/Massachusetts Bay, Marshfield/Scituate.	0.54	SQUARE MILES	4A
North Triangle Pond	MA94110	Plymouth.	22	ACRES	3
Old Oaken Bucket Pond	MA94113	Scituate.	9	ACRES	5
Oldham Pond	MA94114	Pembroke/Hanson.	232	ACRES	5
Pembroke Street South Pond	MA94117	Kingston.	6	ACRES	4C
Pine Lake	MA94120	Duxbury.	22	ACRES	3
Pine Street Pond	MA94121	Duxbury.	14	ACRES	3
Plymouth Bay	MA94-17	The waters southeast of a line drawn from Saquish Head to the tip of Plymouth Beach, Plymouth and west of a line from Gurnet Point to Rocky Point, Plymouth.	10.3	SQUARE MILES	2
Plymouth Harbor	MA94-16	The waters south of a line drawn from the tip of Plymouth Beach to High Cliff, Plymouth.	2.53	SQUARE MILES	5
Reeds Millpond	MA94126	Kingston.	6	ACRES	4C
Reservoir	MA94127	Pembroke.	16	ACRES	4C
Round Pond	MA94131	Duxbury.	7	ACRES	3
Russell Millpond	MA94132	Plymouth.	42	ACRES	5
Russell Pond	MA94133	Kingston.	11	ACRES	3
Savery Pond	MA94136	Plymouth.	29	ACRES	5
Scituate Harbor	MA94-02	The waters west of a line across the mouth of Scituate Harbor, from the elbow of the jetty southeast off Lighthouse Point to the jetty northeast of the U.S. Coast Guard Station, Scituate.	0.32	SQUARE MILES	4A
Second Herring Brook	MA94-26	Headwaters, outlet Turner Pond, Norwell (excluding the approximately 0.3 mile throughTorrey Pond) to the Second Herring Brook Pond Dam (NATID: MA02171), Norwell (area associated with North River Corridor designated as ORW).	1.5	MILES	2
Second Herring Brook	MA94-31	From the Second Herring Brook Pond Dam (NATID: MA02171), Norwell to mouth at confluence with the North River, Norwell.	0.003	SQUARE MILES	4A
Shallow Pond	MA94140	Plymouth.	19	ACRES	3
Ship Pond	MA94142	Plymouth.	11	ACRES	3
Silver Lake	MA94143	Pembroke/Plympton/Kingston.	616	ACRES	4C
Smelt Pond	MA94184	Kingston.	45	ACRES	4C

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
South River	MA94-08	Headwaters, outlet unnamed pond north of Congress Street, Duxbury to dam near Main Street (Route 3A), Marshfield (through South River Pond, formerly segment MA94148).	4.9	MILES	2
South River	MA94-09	From dam near Main Street (Route 3A), Marshfield to mouth at confluence with North River/Massachusetts Bay, Marshfield/Scituate.	0.63	SQUARE MILES	4A
South Triangle Pond	MA94149	Plymouth.	17	ACRES	3
Studleys Pond	MA94151	Rockland.	25	ACRES	5
Tack Factory Pond	MA94152	Scituate.	8	ACRES	2
The Gulf	MA94-19	Headwaters, outlet Hunters Pond, Scituate to confluence with Cohasset Cove just north of Border Street, Cohasset.	0.13	SQUARE MILES	4A
Third Herring Brook	MA94-27	Headwaters, outlet Jacobs Pond, Norwell/Hanover to mouth at confluence with North River, Norwell/Hanover (area associated with North River Corridor designated as ORW).	5.3	MILES	2
Torrey Pond	MA94157	Norwell.	19	ACRES	4C
TOWN BROOK	MA94-42	Headwaters, outlet Billington Sea, Plymouth to just upstream of the Route 3A bridge, Plymouth (excluding the approximately 0.07 mile through Arms House Pond).	1.5	MILES	2
Triangle Pond	MA94160	Plymouth.	14	ACRES	3
Unnamed Tributary	MA94-35	Unnamed tributary to Eel River, from outlet cranberry bog south of Valley Road, Plymouth to mouth at confluence with Eel River, Plymouth (through Forge Pond, formerly segment MA94036).	2.4	MILES	2
Upper Chandler Pond	MA94165	Duxbury/Pembroke.	8	ACRES	4C
Wampatuck Pond	MA94168	Hanson.	63	ACRES	5
West Chandler Pond	MA94170	Pembroke.	10	ACRES	3
Winslow Cemetary Pond	MA94172	Marshfield.	6	ACRES	3
Wright Pond	MA94174	Duxbury.	30	ACRES	3
Taunton					
Ames Long Pond	MA62001	Stoughton/Easton.	88	ACRES	5
Assawompset Pond	MA62003	Lakeville/Middleborough.	2034	ACRES	3
Assonet River	MA62-19	Outlet Forge Pond, Freetown toTisdale Pond Dam (NATID: MA03049) (north of Route 79/Elm Street intersection), Freetown.	0.9	MILES	2
Assonet River	MA62-20	From Tisdale Pond Dam (NATID: MA03049) (north of Route 79/Elm Street intersection), Freetown to mouth at confluence with the Taunton River, Freetown/Berkley.	0.82	SQUARE MILES	4A
Barrowsville Pond	MA62007	Norton.	31	ACRES	3
Beaumont Pond	MA62009	Foxborough.	24	ACRES	3
Beaver Brook	MA62-09	Outlet Cleveland Pond, Abington to mouth at confluence with Salisbury Plain River forming headwaters Matfield River, East Bridgewater.	6.8	MILES	4A
Beaver Brook	MA62-30	Headwaters, perennial portion, just west of Bay Road, Easton to mouth at inlet of Old Pond, Easton.	1.4	MILES	3
Big Bearhole Pond	MA62011	Taunton.	38	ACRES	5
Briggs Pond	MA62021	Sharon.	19	ACRES	3
Broad Cove	MA62-50	Dighton/Somerset (formerly reported as lake segment MA62022).	0.13	SQUARE MILES	4A
Brockton Reservoir	MA62023	Avon.	89	ACRES	4C
Cain Pond	MA62030	Taunton.	3	ACRES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
CANOE RIVER	MA62-64	Headwaters in wetland east of Cow Hill, Sharon to inlet Beaumont Pond, Foxborough (formerly part of segment MA62-27).	3.1	MILES	2
CANOE RIVER	MA62-65	From outlet of Beaumont Pond, Foxborough to inlet of Hartwell School Pond, Mansfield (formerly part of segment MA62-27).	3.8	MILES	2
CANOE RIVER	MA62-66	From outlet of Hartwell School Pond, Mansfield to mouth at inlet Winnecunnet Pond, Norton (formerly part of segment MA62-27).	6.9	MILES	2
Carpenter Pond	MA62032	Foxborough.	29	ACRES	3
Carver Pond	MA62033	Bridgewater.	29	ACRES	4C
Cedar Swamp River	MA62-44	Headwaters south of Freetown Street, Lakeville to inlet Forge Pond, Freetown (stream name changes to Assonet River at Lakeville/Freetown corporate boundary).	5.8	MILES	2
Chaffin Reservoir	MA62035	Pembroke.	13	ACRES	3
Chartley Pond	MA62038	Norton/Attleboro.	57	ACRES	3
Clear Pond	MA62041	Lakeville.	18	ACRES	3
Cleveland Pond	MA62042	Abington.	98	ACRES	4C
Cobb Brook	MA62-43	Headwaters south of Dunbar Street (in Crapo Bog), Taunton to mouth at confluence with the Taunton River, Taunton (approximately 0.1mile culverted at mouth).	3.5	MILES	3
Cocasset Lake	MA62043	Foxborough.	32	ACRES	3
Cooper Pond	MA62046	Carver.	22	ACRES	3
Cotley River	MA62-41	From outlet of cranberry bog south of Seekell Street, Taunton to mouth at confluence with the Taunton River, Taunton.	5.7	MILES	3
Coweeset Brook	MA62-22	Headwaters, perennial portion, southwest of Route24/Route 123 interchange (north of Mill Street), Brockton to mouth at confluence with Hockomock River, West Bridgewater.	3.9	MILES	3
Crocker Pond	MA62051	Wrentham.	17	ACRES	4C
Cross Pond	MA62052	Brockton.	2	ACRES	3
Cross Street Pond	MA62053	Bridgewater.	27	ACRES	3
Cushing Pond	MA62056	Abington.	6	ACRES	4C
East Freetown Pond	MA62063	Freetown.	11	ACRES	4C
Elm Street Pond	MA62066	Halifax/Hanson.	19	ACRES	3
Forge Pond	MA62072	Freetown.	56	ACRES	3
Forge River	MA62-37	Headwaters, outlet Kings Pond, Raynham to mouth at confluence with the Taunton River, Raynham.	2.5	MILES	3
Fuller Street Pond	MA62234	Middleborough/Carver (formerly reported as MA95058).	20	ACRES	4C
Furnace Lake	MA62076	Foxborough.	15	ACRES	3
Gavins Pond	MA62077	Sharon/Foxborough.	18	ACRES	4C
Glue Factory Pond	MA62078	Foxborough (formerly a portion of MA62-39).	7	ACRES	5
Great Quittacas Pond	MA62083	Lakeville/Middleborough/Rochester.	1125	ACRES	3
Gushee Pond	MA62084	Raynham.	27	ACRES	4C
Hartwell School Pond	MA62086	Mansfield (formerly a portion of MA62-27).	8	ACRES	3
Hewitt Pond	MA62088	Raynham.	14	ACRES	3
Hockomock River	MA62-35	Headwaters, perennial portion, west of Route 24, West Bridgewater to mouth at confluence with Town River, Bridgewater.	4.3	MILES	3
Island Grove Pond	MA62094	Abington.	31	ACRES	5
Johns Pond	MA62096	Carver.	21	ACRES	3

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Johnson Pond	MA62097	Raynham.	14	ACRES	4C
Kings Pond	MA62101	Raynham.	13	ACRES	3
Lake Mirimichi	MA62118	Plainville/Foxborough.	175	ACRES	4C
Lake Nippenicket	MA62131	Bridgewater/Raynham.	375	ACRES	4A
Lake Rico	MA62148	Taunton.	188	ACRES	4C
Lake Sabbatia	MA62166	Taunton.	265	ACRES	5
Leach Pond	MA62103	Easton/Sharon.	111	ACRES	3
Little Cedar Swamp	MA62106	Easton.	91	ACRES	3
Little Quittacas Pond	MA62107	Lakeville/Rochester.	295	ACRES	3
Long Pond	MA62108	Lakeville/Freetown.	1728	ACRES	4C
Longwater Pond	MA62109	Easton.	8	ACRES	4C
Lovett Brook	MA62-46	Headwaters, perennial portion, north of Oak Street, Brockton to mouth at inlet Elis Brett Pond, Brockton.	1.5	MILES	3
Lower Porter Pond	MA62111	Brockton.	8	ACRES	4C
Matfield River	MA62-32	Headwaters, confluence Beaver Brook and Salisbury Plain River, East Bridgewater to mouth at confluence with Town River forming headwaters Taunton River, Bridgewater.	6.3	MILES	5
Meadow Brook	MA62-38	Headwaters north of Pine Street, Whitman (through Forge Pond, East Bridgewater) to the confluence with the Matfield River, East Bridgewater.	6	MILES	4A
Meadow Brook Pond	MA62113	Norton.	13	ACRES	3
Middle Pond	MA62115	Taunton.	26	ACRES	4C
Mill River	MA62-29	Headwaters, outlet Lake Sabbatia, Taunton to mouth at confluence with the Taunton River, Taunton (through Whittenton Impoundment, formerly segment MA62228).	4.2	MILES	4C
Monponsett Pond, East Basin	MA62218	[East Basin] Halifax.	247	ACRES	5
Monponsett Pond, West Basin	MA62119	[West Basin] Halifax/Hanson.	283	ACRES	5
Mount Hope Mill Pond	MA62122	Taunton/Dighton (includes Three Mile River Impoundment formerly reported as MA62231).	45	ACRES	4C
Muddy Cove Brook	MA62-51	From the outlet of the small impoundment behind 333 Main Street (Zeneca Inc.), Dighton to mouth at confluence with the Taunton River, Dighton (formerly part of MA62-23).	0.01	SQUARE MILES	4A
MUDDY COVE BROOK	MA62-58	Headwaters, south of Hart Street, Dighton to inlet Muddy Cove Brook Pond, Dighton (formerly part of MA62-52 and MA62-23 (2004)).	1.4	MILES	3
MUDDY COVE BROOK	MA62-59	From outlet Muddy Cove Brook Pond, Dighton to outlet of small impoundment behind 333 Main Street (Zeneca Inc.), Dighton (formerly part of MA62-52 and MA62-23 (2004)).	0.2	MILES	3
Muddy Cove Brook Pond	MA62124	Dighton.	23	ACRES	5
Muddy Pond	MA62125	Carver.	61	ACRES	4C
Muddy Pond	MA62126	Halifax.	13	ACRES	3
Muddy Pond	MA62233	Kingston (formerly reported as MA94104).	42	ACRES	3
Mulberry Meadow Brook	MA62-31	Headwaters, outlet New Pond, Easton to mouth at inlet of Winnecunnet Pond, Norton (through former segments; Ward Pond MA62203 and Reservoir MA62158).	4.6	MILES	3
Mullein Hill Chapel Pond	MA62127	Lakeville.	23	ACRES	3

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Nemasket River	MA62-25	Headwaters, outlet Assawompset Pond, Lakeville/Middleborough to Middleborough WWTP (NPDES: MA0101591) discharge, Middleborough.	6.2	MILES	2
Nemasket River	MA62-26	From the Middleborough WWTP (NPDES: MA0101591) discharge, Middleborough to mouth at confluence with the Taunton River, Middleborough.	5.1	MILES	3
New Pond	MA62130	Easton.	18	ACRES	4C
North Center Street Pond	MA62132	Carver.	12	ACRES	3
Norton Reservoir	MA62134	Norton/Mansfield.	557	ACRES	5
Oakland Pond	MA62136	Taunton.	38	ACRES	3
Plymouth Street Pond	MA62141	Halifax/East Bridgewater.	165	ACRES	3
Pocksha Pond	MA62145	Lakeville/Middleborough.	592	ACRES	3
Poor Meadow Brook	MA62-34	Headwaters, from wetland near County Street, Hanson to mouth at confluence with Satucket River, East Bridgewater.	6.9	MILES	3
Poquoy Pond	MA62147	Lakeville.	10	ACRES	3
Prospect Hill Pond	MA62149	Taunton.	42	ACRES	3
Puds Pond	MA62151	Sharon/Easton.	23	ACRES	3
QUESET BROOK	MA62-67	Headwaters, outlet Ames Long Pond, Easton to inlet Longwater Pond, Easton (through Shovelshop Pond formerly segment MA62172) (formely part of segment MA62-21).	1.5	MILES	4C
QUESET BROOK	MA62-68	From outlet Longwater Pond, Easton to mouth at confluence with Coweeset Brook, West Bridgewater (formelry part of segment MA62-21).	3.3	MILES	3
Rattlesnake Brook	MA62-45	Headwaters east of Riggenbach Road, Fall River to mouth at confluence with Assonet River, Freetown.	3.2	MILES	2
Reservoir (White Oak Reservoir)	MA62157	Hanson.	13	ACRES	5
Richmond Pond	MA62159	Taunton.	6	ACRES	4C
Robbins Pond	MA62162	East Bridgewater.	124	ACRES	3
Robinson Brook	MA62-14	Headwaters, outlet Hersey Pond, Foxborough to mouth at confluence with Rumford River, Mansfield.	1.9	MILES	5
Route One Pond, West	MA62165	Wrentham.	10	ACRES	3
Rumford River	MA62-40	From outlet Norton Reservoir, Norton to mouth at confluence with Wading River forming headwaters Threemile River, Norton (formerly part of segment MA62-15).	4.5	MILES	2
RUMFORD RIVER	MA62-62	Headwaters, outlet Gavins Pond, Sharon to inlet Glue Factory Pond, Foxborough (through former segment Vandys Pond MA62112) (formerly part of MA62-39 and MA62-15 (2004)).	2.8	MILES	5
RUMFORD RIVER	MA62-63	From outlet Glue Factory Pond, Foxborough to inlet Norton Reservoir, Norton (through former pond segments; Fulton Pond MA62075, Hodges Pond MA62091 and Cabot Pond MA62029) (formerly part of segment MA62-39 and MA62-15 (2004)).	5.1	MILES	5
Salisbury Brook	MA62-08	Headwaters, outlet Cross Pond, Brockton to mouth at confluence with Trout Brook forming headwaters Salibury Plain River, Brockton.	2.5	MILES	5
Salisbury Plain River	MA62-05	Headwaters, confluence of Trout and Salisbury brooks, Brockton to the Brockton Advanced Water Reclamation Facility (AWRF) discharge (NPDES: MA0101010), Brockton.	2.4	MILES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Salisbury Plain River	MA62-06	From the Brockton Advanced Water Reclamation Facility (AWRF) discharge (NPDES: MA0101010), Brockton to mouth at confluence with Beaver Brook forming headwaters Matfield River, East Bridgewater.	2.3	MILES	5
Sassaquin Pond	MA62232	New Bedford (formerly reported as MA95129).	36	ACRES	5
Satucket River	MA62-10	Headwaters, outlet Robbins Pond, East Bridgewater to mouth at confluence with the Matfield River, East Bridgewater.	5.6	MILES	2
Savery Pond	MA62167	Middleborough.	24	ACRES	4C
Sawmill Brook	MA62-36	Headwaters, outlet Ice Pond, Bridgewater to mouth at confluence with the Taunton River, Bridgewater.	1.9	MILES	3
Segreganset River	MA62-53	Source in wetland north of Glebe Street, Taunton to the Montaup Pond Dam (NATID: MA02104), Dighton (formerly part of segment MA62-18) (through Segreganset River Ponds formerly segment MA62169) .	7.8	MILES	4C
Segreganset River	MA62-54	From Montaup Pond Dam (NATID: MA02104), Dighton to approximately 250 feet north of Brook Street, Dighton (formerly part of segment MA62-18).	0.3	MILES	4C
Segreganset River	MA62-55	From approximately 250 feet north of Brook Street, Dighton to mouth at confluence with the Taunton River, Dighton (formerly part of segment MA62-18).	0.02	SQUARE MILES	4A
Shumatuscacant River	MA62-33	Headwaters, from wetland northwest of Vineyard Road, Abington to mouth at confluence with Poor Meadow Brook, Hanson (through Hobart Pond formerly segment MA62090) (excluding 0.5 mile through Island Grove Pond MA62094).	8	MILES	5
Snake River	MA62-28	Headwaters, outlet Winnecunnet Pond, Norton to mouth at inlet of Lake Sabbatia, Taunton.	3.3	MILES	3
Somerset Reservoir	MA62174	Somerset.	164	ACRES	4A
Stetson Pond	MA62182	Pembroke.	88	ACRES	5
Sunset Lake	MA62184	Foxborough.	13	ACRES	3
Taunton River	MA62-01	Headwaters, confluence of Town and Matfield rivers, Bridgewater to Route 24 bridge, Taunton/Raynham.	19.5	MILES	5
Taunton River	MA62-02	From Route 24 bridge, Taunton/Raynham to Berkley Bridge, Dighton/Berkley.	0.28	SQUARE MILES	4A
Taunton River	MA62-03	From Berkley Bridge, Dighton/Berkley to confluence with Assonet River at a line from Sandy Point, Somerset northeasterly to the southwestern tip of Assonet Neck, Berkley.	0.92	SQUARE MILES	5
Taunton River	MA62-04	From confluence with Assonet River at a line from Sandy Point, Somerset northeasterly to the southwestern tip of Assonet Neck, Berkley to mouth just upstream of the Braga Bridge, Somerset/Fall River.	2.6	SQUARE MILES	5
The Reservoir	MA62189	Lakeville.	23	ACRES	3
Thirtyacre Pond	MA62190	Brockton.	26	ACRES	4C
Three Mile River	MA62-56	Confluence of Wading and Rumford rivers, Norton to dam (NATID: MA03083) behind 66 South Street (Harodite Finishing Co.), Taunton (excluding the approximately 0.5 mile through Oakland Pond segment MA62136 and the appproximatley 1.0 mile through Mount Hope Mill Pond segment MA62122) (formerly part of segment MA62-16).	10.5	MILES	2

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Three Mile River	MA62-57	From dam (NATID: MA03083) behind 66 South Street (Harodite Finishing Co.), Taunton/Dighton to mouth at confluence with the Taunton River, Taunton/Dighton (formerly part of segment MA62-16).	0.02	SQUARE MILES	4A
Thurston Street Pond	MA62192	Wrentham.	7	ACRES	3
Tispaquin Pond	MA62195	Middleborough.	195	ACRES	3
Town River	MA62-11	Headwaters, outlet Lake Nippenicket, Bridgewater to Route 28 bridge, West Bridgewater.	4.5	MILES	3
Town River	MA62-12	Route 28 bridge, West Bridgewater to Bridgewater WWTP (NPDES: MA0100641) discharge, Bridgewater.	3.9	MILES	3
Town River	MA62-13	From Bridgewater WWTP (NPDES: MA0100641) discharge, Bridgewater to mouth at confluence with the Matfield River forming headwaters Taunton River, Bridgewater.	2.3	MILES	3
Trout Brook	MA62-07	Headwaters, perennial portion, northeast of Argyle Avenue and west of Conrail Line, Avon to mouth at confluence with Salisbury Brook forming headwaters Salisbury Plain River, Brockton.	3.4	MILES	5
Turnpike Lake	MA62198	Plainville.	99	ACRES	4C
Unnamed Tributary	MA62-42	Headwaters, south of Slab Bridge Road (in Cedar Swamp portion of Freetown-Fall River State Forest), Freetown to mouth at confluence with Cedar Swamp River, Lakeville.	4	MILES	5
Unnamed Tributary	MA62-48	Channel from Taunton Municipal Lighting Plant, Taunton to mouth at confluence with the Taunton River, Taunton.	0.002	SQUARE MILES	5
Upper Leach Pond	MA62123	(Mountain Street Pond) Sharon.	28	ACRES	3
Upper Porter Pond	MA62200	Brockton.	11	ACRES	4C
Wading River	MA62-47	Headwaters, outlet Furnace Lake, Foxborough to Balcolm Street, Mansfield (through former pond segments; Robinson Pond MA62163 and Blakes Pond MA62221) (formerly part of segment MA62-17) (1987 Wrentham quad depicts river incorrectly) .	5	MILES	5
WADING RIVER	MA62-60	From Balcolm Street, Mansfield to inlet Barrowswille Pond, Norton (through Sweets Pond formerly segment MA62185) (formerly part of segment MA62-49 and MA62-17 (2004)).	5.8	MILES	4C
WADING RIVER	MA62-61	From outlet Barrowsville Pond, Norton to mouth at confluence with Rumford River, forming headwaters Threemile River, Norton (formely part of segment MA62-49 and MA62-17(2004)).	3.3	MILES	2
Waldo Lake	MA62201	Avon/Brockton.	72	ACRES	4C
Watson Pond	MA62205	Taunton.	78	ACRES	5
West Meadow Pond	MA62208	West Bridgewater.	104	ACRES	4C
Whiteville Pond	MA62211	Mansfield.	14	ACRES	3
Winnecunnet Pond	MA62213	Norton.	150	ACRES	4C
Winnetuxet River	MA62-24	Headwaters, confluence of Muddy Pond Brook and Doten Brook, Carver to mouth at confluence with the Taunton River, Halifax.	12.1	MILES	3
Wolomolopoag Pond	MA62216	Sharon.	13	ACRES	3
Woods Pond	MA62220	Middleborough.	51	ACRES	5
Ten Mile					
Bungay River	MA52-06	Headwaters, outlet Greenwood Lake, North Attleborough to confluence with Ten Mile River, Attleboro.	5.1	MILES	5
Cargill Pond	MA52004	Plainville.	2	ACRES	5

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Central Pond	MA52006	Seekonk,MA/Pawtucket,RI/Providence,RI (size indicates portion in Massachusetts).	6	ACRES	5
Coles Brook	MA52-11	Headwaters, Grassie Swamp west of Allens Lane, Rehoboth to inlet Central Pond, Seekonk.	4.2	MILES	5
Falls Pond, North Basin	MA52013	North Attleborough.	54	ACRES	5
Falls Pond, South Basin	MA52014	North Attleborough.	50	ACRES	4C
Fourmile Brook	MA52-10	Headwaters, outlet Manchester Pond Reservoir, Attleboro to inlet Orrs Pond, Attleboro.	1	MILES	5
Greenwood Lake	MA52017	Mansfield/North Attleborough.	96	ACRES	3
Hoppin Hill Reservoir	MA52021	North Attleborough.	22	ACRES	3
James V. Turner Reservoir	MA52022	Seekonk,MA/E. Providence,RI (size indicates portion in Massachusetts).	28	ACRES	5
Lake Como	MA52010	Attleboro.	5	ACRES	5
Manchester Pond Reservoir	MA52026	Attleboro.	238	ACRES	3
Orrs Pond	MA52029	Attleboro.	58	ACRES	4C
Plain Street Pond	MA52032	Mansfield.	12	ACRES	5
Scotts Brook	MA52-09	Headwaters, north of High Street, North Attleborough to confluence with Ten Mile River, North Attleborough.	2.1	MILES	5
Sevenmile River	MA52-07	Headwaters, outlet Hoppin Hill Reservoir, North Attleborough to inlet Orrs Pond, Attleboro (thru Luther Reservoir formerly segment MA52025).	3.2	MILES	5
Sevenmile River	MA52-08	Outlet Orrs Pond, Attleboro to confluence with Ten Mile River, Pawtucket, Rhode Island.	3.4	MILES	5
Speedway Brook	MA52-05	(locally known as Thacher Brook) Headwaters, Attleboro to inlet of Dodgeville Pond (a Ten Mile River impoundment), Attleboro.	0.9	MILES	5
Ten Mile River	MA52-01	Headwaters, outlet Cargill Pond, Plainville to West Bacon Street, Plainville (through Fuller Pond formerly segment MA52016).	1.5	MILES	5
Ten Mile River	MA52-02	West Bacon Street, Plainville to North Attleborough WWTP discharge (NPDES: MA0101036), Attleboro (excluding 0.9 miles thru Falls Pond segment MA52013, but including thru Wetherells Pond formerly segment MA52041) (HQW qualifier applies to portion of river upstream of Whiting Pond Dam (NATID: MA00859)).	4.1	MILES	5
Ten Mile River	MA52-03	North Attleborough WWTP discharge (NPDES: MA0101036), Attleboro to the MA/RI border near Central Avenue, Seekonk, MA/Pawtucket, RI (thru former segments; Farmers Pond MA52015, Mechanics Pond MA52027, Dodgeville Pond MA52011, and Hebronville Pond MA52020).	9.1	MILES	5
Whiting Pond	MA52042	North Attleborough/Plainville.	24	ACRES	4A
Westfield					
ABBOTT BROOK	MA32-62	Headwaters (perennial portion), north of Abbott Hill Road, Chester to mouth at confluence with West Branch Westfield River, Chester.	2.5	MILES	3
ARM BROOK	MA32-58	Headwaters (perennial portion), south of Summit Lock Road, Westfield to inlet unnamed pond west of Barbara Street, Westfield.	1.7	MILES	3
Ashley Brook	MA32-37	Headwaters (perennial portion), south of Hillside Road, Westfield to mouth at confluence with Jacks Brook, Westfield.	0.5	MILES	5
Ashley Cutoff	MA32001	Holyoke.	31	ACRES	3

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Ashley Pond	MA32002	Holyoke.	133	ACRES	3
BARRY BROOK	MA32-57	Headwaters, outlet Snake Pond, Holyoke to mouth at confluence with Trask Brook (forming headwaters Bush Brook), Westfield.	2.6	MILES	3
BARTLETT BROOK	MA32-50	Headwaters (perennial portion), between Mountain and Prospect streets, Plainfield to mouth at confluence with Westfield River, Cummington.	2	MILES	2
Bedlam Brook	MA32-33	Headwaters (perennial portion), north of Blandford Road, Blandford to mouth at confluence with Peebles Brook, Blandford.	2.8	MILES	2
Blair Pond	MA32009	Blandford.	69	ACRES	4C
Borden Brook Reservoir	MA32011	Granville/Blandford.	211	ACRES	3
Bradley Brook	MA32-21	Headwaters, confluence Black and Stage brooks, Russell to mouth at confluence with Westfield River, Russell.	0.7	MILES	2
BRONSON BROOK	MA32-45	Headwaters, north of Trouble Road, Cummington to mouth at confluence with West Falls Branch, Worthington. (formerly identified by the Massachusetts Stream Classification Program as West Branch).	4.2	MILES	2
Buck Pond	MA32012	Westfield.	23	ACRES	5
Buckley-Dunton Lake	MA32013	Becket.	154	ACRES	4A
BUSH BROOK	MA32-56	Headwaters, confluence of Barry and Trask brooks, east of Sherwood Avenue, Westfield to mouth at confluence with Pond Brook, Westfield.	0.7	MILES	3
Center Pond	MA32015	Becket.	114	ACRES	4C
Clear Pond	MA32077	Holyoke.	10	ACRES	3
Cobble Mountain Reservoir	MA32018	Blandford/Granville/Russell.	1034	ACRES	3
Congamond Lakes	MA32021	[Middle Basin] Southwick.	279	ACRES	5
Congamond Lakes	MA32022	[North Basin] Southwick.	46	ACRES	5
Congamond Lakes	MA32023	[South Basin] Southwick.	144	ACRES	4C
Connor Reservoir	MA32024	Holyoke.	17	ACRES	3
Cook Brook	MA32-38	Headwaters, outlet small unnamed pond west of the intersection of Gorge and Granville roads, Westfield to mouth at confluence with Little River, Westfield.	2	MILES	3
Cooley Lake	MA32026	Granville.	66	ACRES	3
Crooked Pond	MA32028	Plainfield.	34	ACRES	3
Damon Pond	MA32029	Chesterfield/Goshen.	77	ACRES	3
DEAD BRANCH (BROOK)	MA32-63	Headwaters, outlet Damon Pond, Chesterfield to mouth at confluence with Westfield River (Knightville Reservoir), Huntington.	8.5	MILES	5
Depot Brook	MA32-17	Source, north of Beach Road, Washington to mouth at confluence with Yokum Brook (forming headwaters of West Branch Westfield River), Becket.	5.9	MILES	2
Dickinson Brook	MA32-34	Source, confluence of Trumble Brook and Seymour Brook, Granville to mouth at confluence with Munn Brook, Granville.	3.4	MILES	2
FACTORY BROOK	MA32-42	Headwaters, east of Ridge Road, in Middlefield State Forest, Peru to mouth at confluence with West Branch Westfield River, Middlefield.	7.6	MILES	2
FULLER BROOK	MA32-64	Headwaters, outlet wetland west at Mongue Road, Peru to mouth at confluence with Middle Branch Westfield River, Worthington.	4.2	MILES	2
Garnet Lake	MA32037	Peru.	17	ACRES	3
GEER BROOK	MA32-43	Headwaters, outlet Garnet Lake, Peru to mouth at confluence with Factory Brook, Middlefield.	1.8	MILES	3

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
Glendale Brook	MA32-10	Headwaters in a wetland in Peru State Forest, Peru to mouth at confluence with Middle Branch Westfield River, Middlefield.	6	MILES	2
Granville Reservoir	MA32038	Granville.	74	ACRES	3
Great Brook	MA32-25	Source, outlet Congamond Lakes, Southwick to mouth at confluence with Westfield River, Westfield.	10.8	MILES	2
Hammond Pond	MA32040	Goshen.	38	ACRES	3
Horse Pond	MA32043	Westfield.	24	ACRES	5
Jacks Brook	MA32-39	Headwaters (perennial portion), east of Fowler Road, Westfield to inlet of Crane Pond/Little River, Westfield.	2.4	MILES	5
KEARNERY BROOK	MA32-46	Headwaters, north of Powell Road and east of FAA Road, Cummington to mouth at confluence with Bronson Brook, Worthington.	3.2	MILES	2
KELLOG BROOK	MA32-55	Headwaters (perennial portion), east of College Highway (Route 202), Southwick to mouth at confluence with Great Brook, Westfield.	2.8	MILES	3
Kinne Brook	MA32-32	Headwaters (perennial portion), north of Adams Road, Worthington to mouth at confluence with Middle Branch Westfield River, Chester.	4	MILES	2
Little River	MA32-08	Horton's Bridge, Westfield to confluence with Westfield River, Westfield.	4.9	MILES	5
Little River	MA32-16	Headwaters, confluence of Watts and Wards streams, Ringville (locality in Worthington), to mouth at confluence with Westfield River, Huntington.	5.7	MILES	5
Little River	MA32-35	Source, outlet of Cobble Mountain Reservoir, Russell to Springfield Water Works Intake Dam (NATID: MA00708) northwest of Gorge Road, Russell (formerly part of segment MA32-26).	2.6	MILES	3
Little River	MA32-36	From Springfield Water Works Intake Dam (NATID: MA00708) northwest of Gorge Road, Russell to Horton's Bridge, Westfield (formerly part of segment MA32-26).	5.8	MILES	5
Littleville Lake	MA32046	Chester/Huntington.	252	ACRES	3
Mclean Reservoir	MA32050	Holyoke.	55	ACRES	3
Meadow Brook	MA32-11	Headwaters, outlet unnamed pond south of Route 116, Plainfield to mouth at confluence with Westfield River, Cummington.	4.6	MILES	2
Middle Branch Westfield River	MA32-03	Outlet Littleville Dam, Chester/Huntington to mouth at confluence with Westfield River, Huntington.	1.1	MILES	2
MIDDLE BRANCH WESTFIELD RIVER	MA32-65	Source in Peru State Wildlife Management Area, north of Pierce Road, Peru to Kinnebrook Road, Dayville (locality in Chester).	13.7	MILES	5
MIDDLE BRANCH WESTFIELD RIVER	MA32-66	From Kinnebrook Road, Dayville (locality in Chester) to inlet of Littleville Lake, just upstream from boat ramp (off southern end of Kinnebrook Road), Chester.	0.6	MILES	2
MILL BROOK	MA32-49	Headwaters, south of Hawley Street, Plainfield to mouth at confluence with Westfield River, Cummington.	6	MILES	2
Miller Brook	MA32-27	Source, outlet small unnamed pond in Robinson State Park, north of North Street, Agawam to mouth at confluence with Westfield River, Agawam.	0.6	MILES	5
MOOSE MEADOW BROOK	MA32-40	Headwaters, west of Bungay Mountain, east of New State Road, Montgomery to inlet Westfield Reservoir, Montgomery (formerly part of segment MA32-23).	2.9	MILES	2

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
MOOSE MEADOW BROOK	MA32-41	Outlet Westfield Reservoir to mouth at confluence with Westfield River, Westfield (formerly part of segment MA32-23).	4.8	MILES	5
MUNN BROOK	MA32-59	Headwaters, outlet Winchell Reservoir, Granville to mouth at confluence with Little River, Westfield.	5.5	MILES	2
NORTH BRANCH SWIFT RIVER	MA32-54	Headwaters, outlet small unnamed pond west of Grant Street, Plainfield to mouth at confluence with Swift River, Cummington.	6.9	MILES	2
North Railroad Pond	MA32053	Holyoke.	9	ACRES	3
Norwich Pond	MA32054	Huntington.	116	ACRES	3
Paucatuck Brook	MA32-29	From outlet of Bearhole Reservoir, West Springfield to mouth at confluence with Westfield River, West Springfield.	1.5	MILES	2
Pequot Pond	MA32055	Westfield/Southampton.	155	ACRES	5
Pond Brook	MA32-24	Headwaters, outlet Chapin Pond, Westfield to mouth at confluence with Powdermill Brook, Westfield.	3.9	MILES	2
POND BROOK	MA32-44	Headwaters, outlet Norwich Pond, Huntington to mouth at confluence with Westfield River, Huntington.	3.1	MILES	2
Potash Brook	MA32-22	Source, outlet Dunlap Pond, Blandford to mouth at confluence with Westfield River, Village of Woronoco, Russell.	5.2	MILES	5
Powdermill Brook	MA32-09	Headwaters, perennial portion northeast of Montgomery Road (west of Grindstone Mountain), Westfield to mouth at confluence with Westfield River, Westfield.	8.4	MILES	5
Roaring Brook	MA32-30	Headwaters (perennial portion), north of Horse Hill in Huntington State Forest, east of County Road, Huntington to mouth at confluence with Westfield River, Montgomery.	4.3	MILES	2
ROARING BROOK	MA32-61	Headwaters, outlet small unnamed pond north of Lyman Road, Chester to mouth at confluence with West Branch Westfield River, Huntington.	4.5	MILES	2
Robin Hood Lake	MA32057	Becket.	63	ACRES	3
Rudd Pond	MA32060	Becket.	72	ACRES	3
Russell Pond	MA32061	Russell.	82	ACRES	3
Sanderson Brook	MA32-31	Headwaters (perennial portion), in the Chester/Blandford State Forest, north of Chester Road, Blandford to mouth at confluence with West Branch Westfield River, Chester.	2.7	MILES	2
Scout Pond	MA32063	Chesterfield.	37	ACRES	3
Shaker Mill Brook	MA32-18	Headwaters, west of Watson Road, Washington to mouth at confluence with Depot Brook, Becket.	4.1	MILES	2
SHAW BROOK	MA32-52	Headwaters, north of Shaw Road, Windsor to mouth at confluence with Westfield Brook, Windsor.	2.2	MILES	2
STAGE BROOK	MA32-60	Headwaters, confluence of Freeland Brook and Wigwam Brook, Russell to mouth at confluence with Black Brook (forming headwaters Bradley Brook), Russell.	1	MILES	2
STEEP BANK BROOK	MA32-53	Headwaters (perennial portion), northeast of Bates Road, Windsor to mouth at confluence with Westfield River, Windsor.	1	MILES	3
STONES BROOK	MA32-48	Headwaters, outlet small unnamed pond north of Dyers Road, Ashfield to mouth at confluence with Swift River, Goshen.	4.7	MILES	2
Swift River	MA32-12	Headwaters, west of Plainfield Road, Hawley to mouth at confluence with Westfield River at village of Swift River, Cummington.	11.3	MILES	2

Appendix 1
Assessment units and integrated list categories presented alphabetically by major watershed

WATER BODY	SEGMENT ID	DESCRIPTION	SIZE	UNITS	CATEGORY
TOWER BROOK	MA32-47	Headwaters, north of Dodwells Road, Cummington to mouth at confluence with Westfield River, Chesterfield.	4.1	MILES	2
Walker Brook	MA32-20	Headwaters, outlet Center Pond (north of YMCA Road), Becket to mouth at confluence with West Branch Westfield River, Chester.	7.1	MILES	2
Wards Stream	MA32-15	Headwaters, south of Cold Street, Worthington to mouth at confluence with Watts Stream (forming headwaters Little River), Ringville (locality in Worthington).	5.1	MILES	2
Watts Stream	MA32-14	Headwaters, north of Buffington Hill Road, Worthington to mouth at confluence with Wards Stream (forming headwaters Little River), Ringville (locality in Worthington).	5.2	MILES	2
West Branch Westfield River	MA32-01	Headwaters, confluence of Depot Brook and Yokum Brook, Becket to mouth at confluence with Westfield River, Huntington (HQW qualifier applies to portion of river upstream of Chester Center).	17.2	MILES	2
West Falls Branch	MA32-13	Headwaters (perennial portion), at confluence with Bronson Brook, northeast at the intersection of Dingle Road and Route 143, Worthington to mouth at confluence with Westfield River near the village of West Chesterfield, Chesterfield. (formerly identified by the Massachusetts Stream Classification Program as West Branch).	2.9	MILES	5
WESTFIELD BROOK	MA32-51	Headwaters, outlet wetland north of Hill Cemetery Road, Windsor to mouth at confluence with Westfield River, Cummington.	8.6	MILES	2
Westfield Reservoir	MA32074	Montgomery.	40	ACRES	3
Westfield River	MA32-04	Headwaters, confluence of Drowned Land Brook and Center Brook, Savoy to confluence with Middle Branch Westfield River, Huntington.	33.1	MILES	5
Westfield River	MA32-05	Confluence with Middle Branch Westfield River, Huntington to Route 20 bridge, Westfield.	17.7	MILES	2
Westfield River	MA32-06	Route 20 bridge, Westfield to Westfield city boundary with West Springfield and Agawam.	1.9	MILES	2
Westfield River	MA32-07	Westfield/West Springfield/Agawam city line to mouth at confluence with Connecticut River, Agawam.	8.5	MILES	2
White Brook	MA32-28	Source just north of Route 147, Agawam to mouth at confluence with Westfield River, Agawam.	0.9	MILES	5
Windsor Pond	MA32076	Windsor.	46	ACRES	5
Wright Pond	MA32078	Holyoke.	28	ACRES	3
Yokum Brook	MA32-19	Headwaters, outlet Buckley-Dunton Lake, south of County Road, Becket to mouth at confluence with Depot Brook (forming headwaters of West Branch Westfield River), Becket.	4	MILES	2
Yokum Pond	MA32079	Becket.	98	ACRES	3

Appendix 2
Impairments *added* to categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	Explanation
Blackstone					
Blackstone River	MA51-04	5	5	(Aquatic Plants (Macrophytes)*)	Impairment added based on new data/assessment.
				(Non-Native Aquatic Plants*)	Impairment added based on new data/assessment.
				DDT in Fish Tissue	Impairment changed from "DDT" to "DDT in Fish Tissue".
Blackstone River	MA51-05	5	5	(Aquatic Plants (Macrophytes)*)	Impairment added based on new data/assessment.
				(Non-Native Aquatic Plants*)	Impairment added based on new data/assessment.
Blackstone River	MA51-06	5	5	DDT in Fish Tissue	Impairment changed from "DDT" to "DDT in Fish Tissue".
				Escherichia coli	Impairment added based on new data/assessment.
Coal Mine Brook	MA51-27	5	5	Escherichia coli	Impairment added based on new data/assessment.
CRONIN BROOK	MA51-45	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.
FOX BROOK	MA51-39	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.
Kettle Brook	MA51-01	5	5	Escherichia coli	Impairment added based on new data/assessment.
Lake Quinsigamond	MA51125	4A	5	Enterococcus	Impairment added based on new data/assessment.
MUDDY BROOK	MA51-40	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.
Poor Farm Brook	MA51-17	5	5	Escherichia coli	Impairment added based on new data/assessment.
Singletary Brook	MA51-31	5	5	Escherichia coli	Impairment added based on new data/assessment.
Sutton Falls	MA51163	5	5	Harmful Algal Bloom	Impairment added based on new data/assessment.
Tatnuck Brook	MA51-15	5	5	Escherichia coli	Impairment added based on new data/assessment.
Unnamed Tributary	MA51-08	5	5	Escherichia coli	Impairment added based on new data/assessment.
Boston Harbor: Mystic					
Clay Pit Pond	MA71011	5	5	Chlordane in Fish Tissue	Impairment changed from "Chlordane" to "Chlordane in Fish Tissue".
Cummings Brook	MA71-10	3	5	Escherichia coli	Impairment added based on new data/assessment.
Ell Pond	MA71014	5	5	Harmful Algal Bloom	Impairment added based on new data/assessment.
Fellsmere Pond	MA71016	--	5	Harmful Algal Bloom	New segment - Impairment added based on new data/assessment.
Horn Pond	MA71019	5	5	Harmful Algal Bloom	Impairment changed from "Excess Algal Growth" to "Harmful Algal Bloom".
Little Pond	MA71024	--	5	Harmful Algal Bloom	New segment - Impairment added based on new data/assessment.
Lower Mystic Lake	MA71027	5	5	DDT in Fish Tissue	Impairment changed from "DDT" to "DDT in Fish Tissue".
Malden River	MA71-05	5	5	Chlordane in Fish Tissue	Impairment changed from "Chlordane" to "Chlordane in Fish Tissue".
				DDT in Fish Tissue	Impairment changed from "DDT" to "DDT in Fish Tissue".
MUNROE BROOK	MA71-15	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.

Appendix 2
Impairments *added* to categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	Explanation
Mystic River	MA71-02	5	5	(Non-Native Aquatic Plants*)	Impairment added based on new data/assessment.
				Chlordane in Fish Tissue	Impairment changed from "Chlordane" to "Chlordane in Fish Tissue".
				DDT in Fish Tissue	Impairment changed from "DDT" to "DDT in Fish Tissue".
Shaker Glen Brook	MA71-11	3	5	Escherichia coli	Impairment added based on new data/assessment.
Spy Pond	MA71040	5	5	Chlordane in Fish Tissue	Impairment changed from "Chlordane" to "Chlordane in Fish Tissue".
				DDT in Fish Tissue	Impairment changed from "DDT" to "DDT in Fish Tissue".
				Harmful Algal Bloom	Impairment changed from "Excess Algal Growth" to "Harmful Algal Bloom".
Upper Mystic Lake	MA71043	5	5	Enterococcus	Impairment added based on new data/assessment.
Wedge Pond	MA71045	5	5	Harmful Algal Bloom	Impairment added based on new data/assessment.
Boston Harbor: Neponset					
East Branch	MA73-05	5	5	DDT in Fish Tissue	Impairment changed from "DDT" to "DDT in Fish Tissue".
Mother Brook	MA73-28	5	5	(Debris/Floatables/Trash*)	Impairment added based on new data/assessment.
				DDT in Fish Tissue	Impairment changed from "DDT" to "DDT in Fish Tissue".
Neponset River	MA73-01	5	5	DDT in Fish Tissue	Impairment changed from "DDT" to "DDT in Fish Tissue".
Neponset River	MA73-02	5	5	DDT in Fish Tissue	Impairment changed from "DDT" to "DDT in Fish Tissue".
Neponset River	MA73-03	5	5	DDT in Fish Tissue	Impairment changed from "DDT" to "DDT in Fish Tissue".
Pinewood Pond	MA73039	4C	4C	(Aquatic Plants (Macrophytes)*)	Impairment added based on new data/assessment.
Plantingfield Brook	MA73-23	4C	5	Escherichia coli	Impairment added based on new data/assessment.
Purgatory Brook	MA73-24	4A	4A	(Debris/Floatables/Trash*)	Impairment added based on new data/assessment.
Steep Hill Brook	MA73-18	3	5	Escherichia coli	Impairment added based on new data/assessment.
Unnamed Tributary	MA73-34	2	4C	(Debris/Floatables/Trash*)	Impairment added based on new data/assessment.
Boston Harbor: Weymouth & Weir					
Cochato River	MA74-06	5	5	Chlordane in Fish Tissue	Impairment changed from "Chlordane" to "Chlordane in Fish Tissue".
				DDT in Fish Tissue	Impairment changed from "DDT" to "DDT in Fish Tissue".
				Escherichia coli	Impairment added based on new data/assessment.
CRANBERRY BROOK	MA74-22	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.
Farm River	MA74-07	3	5	Escherichia coli	Impairment added based on new data/assessment.
Furnace Brook	MA74-10	5	5	Escherichia coli	Impairment added based on new data/assessment.
Hingham Harbor	MA74-18	5	5	Escherichia coli	Impairment added based on new data/assessment.
MARY LEE BROOK	MA74-23	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.
Mill River	MA74-04	5	5	Escherichia coli	Impairment added based on new data/assessment.
Monatiquot River	MA74-08	5	5	Escherichia coli	Impairment added based on new data/assessment.

Appendix 2
Impairments *added* to categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	Explanation
Old Swamp River	MA74-03	5	5	Escherichia coli	Impairment added based on new data/assessment.
PLYMOUTH RIVER	MA74-20	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.
Sylvan Lake	MA74021	5	5	Chlordane in Fish Tissue	Impairment changed from "Chlordane" to "Chlordane in Fish Tissue".
				DDT in Fish Tissue	Impairment changed from "DDT" to "DDT in Fish Tissue".
Town Brook	MA74-09	5	5	Escherichia coli	Impairment added based on new data/assessment.
Town River Bay	MA74-15	5	5	Enterococcus	Impairment added based on new data/assessment.
Weymouth Back River	MA74-05	5	5	Escherichia coli	Impairment added based on new data/assessment.
Weymouth Fore River	MA74-14	5	5	Enterococcus	Impairment added based on new data/assessment.
Whitmans Pond	MA74025	5	5	DDT in Fish Tissue	Impairment changed from "DDT" to "DDT in Fish Tissue".
Buzzards Bay					
Acushnet River	MA95-32	5	5	Aquatic Macroinvertebrate Bioassessments	Impairment added based on new data/assessment.
Acushnet River	MA95-33	5	5	Nutrient/Eutrophication Biological Indicators	Impairment added based on new data/assessment.
ANGELINE BROOK	MA95-83	--	5	Enterococcus	New segment - Impairment added based on new data/assessment.
Apponagansett Bay	MA95-39	5	5	Estuarine Bioassessments	Impairment added based on new data/assessment.
				Nutrient/Eutrophication Biological Indicators	Impairment added based on new data/assessment.
Dunham Pond	MA95044	3	5	Chlorophyll-a	Impairment added based on new data/assessment.
				Secchi disk transparency	Impairment added based on new data/assessment.
East Branch Westport River	MA95-41	5	5	Nutrient/Eutrophication Biological Indicators	Impairment added based on new data/assessment.
Fiddlers Cove	MA95-79	5	5	Estuarine Bioassessments	Impairment added based on new data/assessment.
				Fecal Coliform	Impairment added based on new data/assessment.
				Oxygen, Dissolved	Impairment added based on new data/assessment.
Halfway Pond	MA95178	3	5	Harmful Algal Bloom	Impairment added based on new data/assessment.
Inner Sippican Harbor	MA95-70	5	5	Estuarine Bioassessments	Impairment added based on new data/assessment.
KIRBY BROOK	MA95-82	--	5	Enterococcus	New segment - Impairment added based on new data/assessment.
Leonards Pond	MA95080	3	5	(Aquatic Plants (Macrophytes)*)	Impairment added based on new data/assessment.
				(Non-Native Aquatic Plants*)	Impairment added based on new data/assessment.
				Chlorophyll-a	Impairment added based on new data/assessment.
				Secchi disk transparency	Impairment added based on new data/assessment.
Mattapoisett River	MA95-36	3	5	Enterococcus	Impairment added based on new data/assessment.
				Escherichia coli	Impairment added based on new data/assessment.
Megansett Harbor	MA95-19	5	5	Fecal Coliform	Impairment added based on new data/assessment.

Appendix 2
Impairments *added* to categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	Explanation
New Bedford Inner Harbor	MA95-42	5	5	Nutrient/Eutrophication Biological Indicators	Impairment added based on new data/assessment.
New Bedford Reservoir	MA95110	5	5	(Aquatic Plants (Macrophytes)*)	Impairment added based on new data/assessment.
				DDT in Fish Tissue	Impairment changed from "DDT" to "DDT in Fish Tissue".
				Nutrient/Eutrophication Biological Indicators	Impairment added based on new data/assessment.
Paskamanset River	MA95-11	3	5	Combined Biota/Habitat Bioassessments	Impairment added based on new data/assessment.
				Enterococcus	Impairment added based on new data/assessment.
				Escherichia coli	Impairment added based on new data/assessment.
Queen Sewell Pond	MA95180	2	5	Harmful Algal Bloom	Impairment added based on new data/assessment.
Quissett Harbor	MA95-25	4A	5	Estuarine Bioassessments	Impairment added based on new data/assessment.
				Nitrogen (Total)	Impairment added based on new data/assessment.
				Nutrient/Eutrophication Biological Indicators	Impairment added based on new data/assessment.
Rands Harbor	MA95-78	5	5	Estuarine Bioassessments	Impairment added based on new data/assessment.
				Fecal Coliform	Impairment added based on new data/assessment.
Sampson Pond	MA95125	5	5	(Nonnative Fish, Shellfish, or Zooplankton*)	Impairment added based on new data/assessment.
				DDT in Fish Tissue	Impairment changed from "DDT" to "DDT in Fish Tissue".
Shingle Island River	MA95-12	3	5	Enterococcus	Impairment added based on new data/assessment.
Sippican River	MA95-06	5	5	Enterococcus	Impairment added based on new data/assessment.
Slocums River	MA95-34	5	5	Nutrient/Eutrophication Biological Indicators	Impairment added based on new data/assessment.
West Branch Westport River	MA95-37	5	5	Nutrient/Eutrophication Biological Indicators	Impairment added based on new data/assessment.
Weweantic River	MA95-04	2	5	(Non-Native Aquatic Plants*)	Historic impairment from former segment (MA95150) transferred to this segment.
				Enterococcus	Impairment added based on new data/assessment.
Wild Harbor	MA95-20	4A	5	Estuarine Bioassessments	Impairment added based on new data/assessment.
				Nutrient/Eutrophication Biological Indicators	Impairment added based on new data/assessment.
Cape Cod					
Allens Harbor	MA96-95	--	5	Fecal Coliform	New segment - Impairment added based on new data/assessment.
CHASE GARDEN CREEK	MA96-103	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.
Cliff Pond	MA96039	3	5	Harmful Algal Bloom	Impairment added based on new data/assessment.
Hamblin Pond	MA96126	5	5	Harmful Algal Bloom	Impairment added based on new data/assessment.
HAWES RUN	MA96-101	--	4C	(Debris/Floatables/Trash*)	New segment - Impairment added based on new data/assessment.
LITTLE RIVER	MA96-99	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.
Lovells Pond	MA96185	5	5	Harmful Algal Bloom	Impairment changed from "Excess Algal Growth" to "Harmful Algal Bloom".

Appendix 2
Impairments *added* to categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	Explanation
				Turbidity	Impairment added based on new data/assessment.
Middle Pond	MA96198	5	5	Harmful Algal Bloom	Impairment added based on new data/assessment.
Moll Pond	MA96355	--	5	Harmful Algal Bloom	New segment - Impairment added based on new data/assessment.
Red Lily Pond	MA96257	5	5	(Aquatic Plants (Macrophytes)*)	Impairment added based on new data/assessment.
RED RIVER	MA96-107	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.
Round Cove	MA96-75	4A	5	Fecal Coliform	Impairment added based on new data/assessment.
Santuit Pond	MA96277	5	5	Harmful Algal Bloom	Impairment changed from "Excess Algal Growth" to "Harmful Algal Bloom".
Uncle Harvey Pond	MA96319	--	5	Harmful Algal Bloom	New segment - Impairment added based on new data/assessment.
Unnamed Tributary	MA96-100	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.
Unnamed Tributary	MA96-104	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.
Unnamed Tributary	MA96-108	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.
Unnamed Tributary	MA96-97	--	5	Nitrogen (Total)	New segment - Impairment added based on new data/assessment.
Walkers Pond	MA96331	5	5	Chlorophyll-a	Impairment added based on new data/assessment.
				Harmful Algal Bloom	Impairment added based on new data/assessment.
WHITES BROOK	MA96-102	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.
Wychmere Harbor	MA96-96	--	5	Fecal Coliform	New segment - Impairment added based on new data/assessment.
Charles					
Charles River	MA72-03	5	5	DDT in Fish Tissue	Impairment changed from "DDT" to "DDT in Fish Tissue".
Charles River	MA72-04	5	5	Chlordane in Fish Tissue	Impairment changed from "Chlordane" to "Chlordane in Fish Tissue".
				DDT in Fish Tissue	Impairment changed from "DDT" to "DDT in Fish Tissue".
Charles River	MA72-05	5	5	Chlordane in Fish Tissue	Impairment changed from "Chlordane" to "Chlordane in Fish Tissue".
				DDT in Fish Tissue	Impairment changed from "DDT" to "DDT in Fish Tissue".
Charles River	MA72-06	5	5	DDT in Fish Tissue	Impairment changed from "DDT" to "DDT in Fish Tissue".
Charles River	MA72-07	5	5	DDT in Fish Tissue	Impairment changed from "DDT" to "DDT in Fish Tissue".
Charles River	MA72-36	5	5	DDT in Fish Tissue	Impairment changed from "DDT" to "DDT in Fish Tissue".
Charles River	MA72-38	5	5	DDT in Fish Tissue	Impairment changed from "DDT" to "DDT in Fish Tissue".
Chicken Brook	MA72-34	2	5	Escherichia coli	Impairment added based on new data/assessment.
Crystal Lake	MA72030	3	5	Harmful Algal Bloom	Impairment added based on new data/assessment.
Hopping Brook	MA72-35	2	5	Escherichia coli	Impairment added based on new data/assessment.
Mine Brook	MA72-14	5	5	Escherichia coli	Impairment added based on new data/assessment.
Muddy River	MA72-11	5	5	DDT in Fish Tissue	Impairment changed from "DDT" to "DDT in Fish Tissue".

Appendix 2
Impairments *added* to categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	Explanation
Populatic Pond	MA72096	5	5	Chlordane in Fish Tissue	Impairment changed from "Chlordane" to "Chlordane in Fish Tissue".
				DDT in Fish Tissue	Impairment changed from "DDT" to "DDT in Fish Tissue".
SEAVERNS BROOK	MA72-44	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.
Unnamed Tributary	MA72-31	5	5	(Debris/Floatables/Trash*)	Impairment added based on new data/assessment.
				Turbidity	Impairment added based on new data/assessment.
Unnamed Tributary	MA72-41	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.
Unnamed Tributary	MA72-43	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.
Chicopee					
Abbey Brook	MA36-40	5	5	Escherichia coli	Impairment added based on new data/assessment.
Chicopee Brook	MA36-21	3	5	Escherichia coli	Impairment added based on new data/assessment.
Chicopee River	MA36-24	5	5	Escherichia coli	Impairment added based on new data/assessment.
DANFORTH BROOK	MA36-50	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.
Forget-Me-Not Brook	MA36-18	2	5	Escherichia coli	Impairment added based on new data/assessment.
Lake Lorraine	MA36084	4C	5	Enterococcus	Impairment added based on new data/assessment.
Prince River	MA36-08	3	5	Escherichia coli	Impairment added based on new data/assessment.
Quaboag River	MA36-15	2	5	Escherichia coli	Impairment added based on new data/assessment.
Quaboag River	MA36-16	5	5	Escherichia coli	Impairment added based on new data/assessment.
Sevenmile River	MA36-11	2	5	Escherichia coli	Impairment added based on new data/assessment.
Sevenmile River	MA36-12	2	5	Escherichia coli	Impairment added based on new data/assessment.
Unnamed Tributary	MA36-39	5	5	(Bacterial Slimes*)	Impairment added based on new data/assessment.
				(Debris/Floatables/Trash*)	Impairment added based on new data/assessment.
Ware River	MA36-06	5	5	Escherichia coli	Impairment added based on new data/assessment.
Concord (SuAsCo)					
Assabet River	MA82B-02	5	5	(Aquatic Plants (Macrophytes)*)	Impairment added based on new data/assessment.
				Escherichia coli	Impairment added based on new data/assessment.
Assabet River	MA82B-03	5	5	Escherichia coli	Impairment added based on new data/assessment.
Assabet River	MA82B-04	5	5	Escherichia coli	Impairment added based on new data/assessment.
Assabet River	MA82B-05	5	5	Escherichia coli	Impairment added based on new data/assessment.
Assabet River	MA82B-07	5	5	Escherichia coli	Impairment added based on new data/assessment.
Assabet River Reservoir	MA82004	5	5	Dissolved oxygen saturation	TMDL [CN 201.0; 9/23/2004] removed from this impairment due to clerical error.
				Oxygen, Dissolved	TMDL [CN 201.0; 9/23/2004] removed from this impairment due to clerical error.
BEAVER BROOK	MA82A-34	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.

Appendix 2
Impairments *added* to categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	Explanation
Coles Brook	MA82B-22	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.
Concord River	MA82A-07	5	5	Escherichia coli	Impairment added based on new data/assessment.
Concord River	MA82A-09	5	5	Escherichia coli	Impairment added based on new data/assessment.
				Turbidity	Impairment added based on new data/assessment.
Dean Park Pond	MA82026	--	5	Harmful Algal Bloom	New segment - Impairment added based on new data/assessment.
Elizabeth Brook	MA82B-12	5	5	Escherichia coli	Impairment added based on new data/assessment.
Fort Meadow Reservoir	MA82042	5	5	Chlordane in Fish Tissue	Impairment changed from "Chlordane" to "Chlordane in Fish Tissue".
Hop Brook	MA82A-05	5	5	(Non-Native Aquatic Plants*)	Historic impairment from former segment (MA82104) transferred to this segment.
				Aquatic Plants (Macrophytes)	Historic impairment from former segment (MA82104) transferred to this segment.
				Escherichia coli	Impairment added based on new data/assessment.
				Turbidity	Historic impairment from former segment (MA82104) transferred to this segment.
Nashoba Brook	MA82B-14	5	5	Escherichia coli	Impairment added based on new data/assessment.
River Meadow Brook	MA82A-10	5	5	Escherichia coli	Impairment added based on new data/assessment.
Sudbury River	MA82A-03	5	5	Escherichia coli	Impairment added based on new data/assessment.
Sudbury River	MA82A-25	5	5	Escherichia coli	Impairment added based on new data/assessment.
Unnamed Tributary	MA82A-22	5	5	(Debris/Floatables/Trash*)	Impairment added based on new data/assessment.
				Escherichia coli	Impairment added based on new data/assessment.
Unnamed Tributary	MA82A-31	--	4C	(Non-Native Aquatic Plants*)	New segment - Historic impairment from former segment (MA82096) transferred to this segment.
				(Other flow regime alterations*)	New segment - Historic impairment from former segment (MA82096) transferred to this segment.
Connecticut					
Bachelor Brook	MA34-07	4A	5	Escherichia coli	Impairment added based on new data/assessment.
Connecticut River	MA34-03	5	5	Escherichia coli	Impairment added based on new data/assessment.
Longmeadow Brook	MA34-21	3	5	(Debris/Floatables/Trash*)	Impairment added based on new data/assessment.
				Escherichia coli	Impairment added based on new data/assessment.
				Phosphorus (Total)	Impairment added based on new data/assessment.
				Turbidity	Impairment added based on new data/assessment.
Mill River	MA34-29	5	5	(Debris/Floatables/Trash*)	Impairment added based on new data/assessment.
				Taste and Odor	Impairment added based on new data/assessment.
Scantic River	MA34-30	2	5	Escherichia coli	Impairment added based on new data/assessment.
Unnamed Tributary	MA34-60	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.
Deerfield					

Appendix 2
Impairments *added* to categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	Explanation
Bear River	MA33-17	2	5	Temperature, water	Impairment added based on new data/assessment.
CHERRY RUM BROOK	MA33-97	--	5	Aquatic Macroinvertebrate Bioassessments	New segment - Impairment added based on new data/assessment.
Davis Mine Brook	MA33-18	5	5	Fishes Bioassessments	Impairment added based on new data/assessment.
Deerfield River	MA33-01	2	4C	(Other flow regime alterations*)	Impairment added based on new data/assessment.
Deerfield River	MA33-03	2	5	Escherichia coli	Impairment added based on new data/assessment.
Deerfield River	MA33-04	2	5	Escherichia coli	Impairment added based on new data/assessment.
Dragon Brook	MA33-20	3	5	Temperature, water	Impairment added based on new data/assessment.
East Branch North River	MA33-19	2	5	Escherichia coli	Impairment added based on new data/assessment.
Green River	MA33-30	5	5	Escherichia coli	Impairment added based on new data/assessment.
				Turbidity	Impairment added based on new data/assessment.
Hinsdale Brook	MA33-21	3	5	Escherichia coli	Impairment added based on new data/assessment.
JOHNSON BROOK	MA33-131	--	4C	(Low flow alterations*)	New segment - Impairment added based on new data/assessment.
MILL BROOK	MA33-70	--	5	Aquatic Macroinvertebrate Bioassessments	New segment - Impairment added based on new data/assessment.
South River	MA33-07	2	5	Temperature, water	Impairment added based on new data/assessment.
SOUTH RIVER	MA33-101	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.
				Fecal Coliform	New segment - Historic impairment from former segment (MA33-08) transferred to this segment.
SOUTH RIVER	MA33-102	--	5	(Physical substrate habitat alterations*)	New segment - Historic impairment from former segment (MA33-08) transferred to this segment.
				Escherichia coli	New segment - Impairment added based on new data/assessment.
				Fecal Coliform	New segment - Historic impairment from former segment (MA33-08) transferred to this segment.
Farmington					
Benton Brook	MA31-11	2	5	Aquatic Macroinvertebrate Bioassessments	Impairment added based on new data/assessment.
CRANBERRY POND BROOK	MA31-21	--	5	Lack of a coldwater assemblage	New segment - Impairment added based on new data/assessment.
PALMER BROOK	MA31-29	--	5	Lack of a coldwater assemblage	New segment - Impairment added based on new data/assessment.
POND BROOK	MA31-33	--	5	Lack of a coldwater assemblage	New segment - Impairment added based on new data/assessment.
SPECTACLE POND BROOK	MA31-27	--	5	Lack of a coldwater assemblage	New segment - Impairment added based on new data/assessment.
Thomas Brook	MA31-06	3	5	Lack of a coldwater assemblage	Impairment added based on new data/assessment.
West Branch Farmington River	MA31-01	5	5	Temperature, water	Impairment added based on new data/assessment.
French					
Carbuncle Pond	MA42008	3	5	Harmful Algal Bloom	Impairment added based on new data/assessment.
Webster Lake	MA42064	4C	5	(Nonnative Fish, Shellfish, or Zooplankton*)	Impairment added based on new data/assessment.

Appendix 2
Impairments *added* to categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	Explanation
				Oxygen, Dissolved	Impairment added based on new data/assessment.
Wellington Brook	MA42-11	2	5	Escherichia coli	Impairment added based on new data/assessment.
Housatonic					
East Branch Housatonic River	MA21-02	5	5	Escherichia coli	Impairment added based on new data/assessment.
Housatonic River	MA21-04	5	5	Escherichia coli	Impairment added based on new data/assessment.
KARNER BROOK	MA21-38	--	4C	(Low flow alterations*)	New segment - Historic impairment from former segment (MA21-16) transferred to this segment.
KARNER BROOK	MA21-39	--	4C	(Low flow alterations*)	New segment - Historic impairment from former segment (MA21-16) transferred to this segment.
Southwest Branch Housatonic River	MA21-17	5	5	Escherichia coli	Impairment added based on new data/assessment.
West Branch Housatonic River	MA21-18	5	5	Escherichia coli	Impairment added based on new data/assessment.
Hudson: Hoosic					
Hoosic River	MA11-03	5	5	(Other anthropogenic substrate alterations*)	Impairment changed from "(Physical substrate habitat alterations*)" to "(Other anthropogenic substrate alterations*)".
				Escherichia coli	Impairment added based on new data/assessment.
Hoosic River	MA11-05	5	5	Escherichia coli	Impairment added based on new data/assessment.
				Nutrient/Eutrophication Biological Indicators	Impairment added due to clerical error/earlier omission.
North Branch Hoosic River	MA11-01	2	5	Temperature, water	Impairment added based on new data/assessment.
North Branch Hoosic River	MA11-02	5	5	Escherichia coli	Impairment added based on new data/assessment.
Paull Brook	MA11-20	5	4C	(Low flow alterations*)	Impairment added based on new data/assessment.
Ipswich					
Fish Brook	MA92-14	2	5	Escherichia coli	Impairment added based on new data/assessment.
Gravelly Brook	MA92-18	2	5	Aquatic Macroinvertebrate Bioassessments	Impairment added based on new data/assessment.
Howlett Brook	MA92-17	5	5	Escherichia coli	Impairment added based on new data/assessment.
Kimball Brook	MA92-21	5	5	Escherichia coli	Impairment added based on new data/assessment.
Lubbers Brook	MA92-05	2	5	(Low flow alterations*)	Impairment added based on new data/assessment.
				Escherichia coli	Impairment added based on new data/assessment.
				Oxygen, Dissolved	Impairment added based on new data/assessment.
Maple Meadow Brook	MA92-04	4C	5	Oxygen, Dissolved	Impairment added based on new data/assessment.
Martins Brook	MA92-08	5	5	Escherichia coli	Impairment added based on new data/assessment.
Silver Lake	MA92059	5	5	DDT in Fish Tissue	Impairment changed from "DDT" to "DDT in Fish Tissue".
Unnamed Tributary	MA92-09	3	5	Fishes Bioassessments	Impairment added based on new data/assessment.
Unnamed Tributary	MA92-12	5	5	Escherichia coli	Impairment added based on new data/assessment.
				Foam/Flocs/Scum/Oil Slicks	Impairment added based on new data/assessment.

Appendix 2
Impairments *added* to categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	Explanation
Wenham Lake	MA92073	5	5	DDT in Fish Tissue	Impairment changed from "DDT" to "DDT in Fish Tissue".
Islands					
Chilmark Pond	MA97-05	5	5	Enterococcus	Impairment added based on new data/assessment.
				Estuarine Bioassessments	Impairment added based on new data/assessment.
				Nitrogen (Total)	Impairment added based on new data/assessment.
				Nutrient/Eutrophication Biological Indicators	Impairment added based on new data/assessment.
Head of Hummock Pond	MA97035	--	5	Harmful Algal Bloom	New segment - Impairment added based on new data/assessment.
Lake Tashmoo	MA97-12	5	5	Nitrogen (Total)	Impairment added based on new data/assessment.
				Nutrient/Eutrophication Biological Indicators	Impairment added based on new data/assessment.
				Oxygen, Dissolved	Impairment added based on new data/assessment.
Oak Bluffs Harbor	MA97-07	5	5	(Other anthropogenic substrate alterations*)	Impairment added based on new data/assessment.
Sengekontacket Pond	MA97-10	2	5	Fecal Coliform	Impairment added based on new data/assessment.
Tisbury Great Pond	MA97-18	5	5	Estuarine Bioassessments	Impairment added based on new data/assessment.
				Nitrogen (Total)	Impairment added based on new data/assessment.
				Nutrient/Eutrophication Biological Indicators	Impairment added based on new data/assessment.
				Oxygen, Dissolved	Impairment added based on new data/assessment.
Vineyard Haven Harbor	MA97-09	5	5	Estuarine Bioassessments	Impairment added based on new data/assessment.
Merrimack					
Lake Attitash	MA84002	5	5	Harmful Algal Bloom	Impairment added based on new data/assessment.
Long Pond	MA84032	5	5	Harmful Algal Bloom	Impairment added based on new data/assessment.
Lowell Canals	MA84A-29	5	5	DDT in Fish Tissue	Impairment changed from "DDT" to "DDT in Fish Tissue".
Merrimack River	MA84A-01	5	5	Escherichia coli	Impairment added based on new data/assessment.
Nabnasset Pond	MA84044	4A	5	Harmful Algal Bloom	Impairment added based on new data/assessment.
South Branch Souhegan River	MA84A-31	2	5	Escherichia coli	Impairment added based on new data/assessment.
Stevens Pond	MA84064	5	5	Harmful Algal Bloom	Impairment added based on new data/assessment.
Millers					
BEAVER BROOK	MA35-28	--	5	PCB in Fish Tissue	New segment - Impairment added based on existing DPH fish consumption advisory.
EAST BRANCH TULLY RIVER	MA35-29	--	5	PCB in Fish Tissue	New segment - Historic impairment from former segment (MA35-12) transferred to this segment.
EAST BRANCH TULLY RIVER	MA35-30	--	5	PCB in Fish Tissue	New segment - Historic impairment from former segment (MA35-12) transferred to this segment.
ELLINWOOD BROOK	MA35-22	--	5	PCB in Fish Tissue	New segment - Impairment added based on existing DPH fish consumption advisory.
JACKS BROOK	MA35-31	--	5	PCB in Fish Tissue	New segment - Impairment added based on existing DPH fish consumption advisory.

Appendix 2
Impairments *added* to categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	Explanation
Keyup Brook	MA35-16	5	5	Escherichia coli	Impairment added based on new data/assessment.
MAHONEY BROOK	MA35-27	--	5	PCB in Fish Tissue	New segment - Impairment added based on existing DPH fish consumption advisory.
Millers River	MA35-01	5	5	Lack of a coldwater assemblage	Impairment added based on new data/assessment.
				Temperature, water	Impairment added based on new data/assessment.
Millers River	MA35-20	3	5	Lack of a coldwater assemblage	Impairment added based on new data/assessment.
				Temperature, water	Impairment added based on new data/assessment.
NORTH POND BROOK	MA35-23	--	5	PCB in Fish Tissue	New segment - Impairment added based on existing DPH fish consumption advisory.
Otter River	MA35-06	2	5	Ambient Bioassays -- Chronic Aquatic Toxicity	Impairment added based on new data/assessment.
				Oxygen, Dissolved	Impairment added based on new data/assessment.
STOCKWELL BROOK	MA35-25	--	5	PCB in Fish Tissue	New segment - Impairment added based on existing DPH fish consumption advisory.
Tully Lake	MA35111	3	5	Harmful Algal Bloom	Impairment added based on new data/assessment.
Unnamed Tributary	MA35-26	--	5	Copper	New segment - Impairment added based on new data/assessment.
West Branch Tully River	MA35-11	5	5	Temperature, water	Impairment added based on new data/assessment.
WEST GULF BROOK	MA35-24	--	5	PCB in Fish Tissue	New segment - Impairment added based on existing DPH fish consumption advisory.
Mount Hope Bay (Shore)					
LEWIN BROOK	MA61-09	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.
Quequechan River	MA61-05	4C	5	(Debris/Floatables/Trash*)	Impairment added based on new data/assessment.
				Escherichia coli	Impairment added based on new data/assessment.
				Excess Algal Growth	Impairment added based on new data/assessment.
				Nutrient/Eutrophication Biological Indicators	Impairment added based on new data/assessment.
				Oxygen, Dissolved	Impairment added based on new data/assessment.
Narragansett Bay (Shore)					
BLISS BROOK	MA53-19	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.
Clear Run Brook	MA53-13	4A	5	Oxygen, Dissolved	Impairment added based on new data/assessment.
PALMER RIVER	MA53-22	--	5	Temperature, water	New segment - Impairment added based on new data/assessment.
RUNNINS RIVER	MA53-20	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.
Shad Factory Pond	MA53005	--	5	(Low flow alterations*)	New segment - Historic impairment from former segment (MA53-04) transferred to this segment.
				Nutrient/Eutrophication Biological Indicators	New segment - Historic impairment from former segment (MA53-04) transferred to this segment.
Torrey Creek	MA53-14	3	4A	(Alteration in stream-side or littoral vegetative covers*)	Impairment added based on new data/assessment.
				(Habitat Assessment (Streams)*)	Impairment added based on new data/assessment.
Unnamed Tributary	MA53-21	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.

Appendix 2
Impairments *added* to categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	Explanation
Nashua					
Baker Brook	MA81-62	3	5	Escherichia coli	Impairment added based on new data/assessment.
CATACOONAMUG BROOK	MA81-74	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.
Fall Brook	MA81-39	2	5	Escherichia coli	Impairment added based on new data/assessment.
FALULAH BROOK	MA81-63	3	5	Escherichia coli	Impairment added based on new data/assessment.
Lake Shirley	MA81122	5	5	Harmful Algal Bloom	Impairment changed from "Excess Algal Growth" to "Harmful Algal Bloom".
PEARL HILL BROOK	MA81-80	--	5	Enterococcus	New segment - Impairment added based on new data/assessment.
Stillwater River	MA81-31	2	5	Escherichia coli	Impairment added based on new data/assessment.
WEKEPEKE BROOK	MA81-72	--	5	Escherichia coli	New segment - Historic impairment from former segment (MA81-61) transferred to this segment.
WILLARD BROOK	MA81-79	--	5	Enterococcus	New segment - Impairment added based on new data/assessment.
North Coastal					
Beaver Brook	MA93-37	5	5	Escherichia coli	Impairment added based on new data/assessment.
Crane River	MA93-38	2	5	Escherichia coli	Impairment added based on new data/assessment.
Flax Pond	MA93023	5	5	Chlordane in Fish Tissue	Impairment changed from "Chlordane" to "Chlordane in Fish Tissue".
				DDT in Fish Tissue	Impairment changed from "DDT" to "DDT in Fish Tissue".
Foster Pond	MA93026	5	5	DDT in Fish Tissue	Impairment changed from "DDT" to "DDT in Fish Tissue".
Hawkes Brook	MA93-33	4A	4A	(Debris/Floatables/Trash*)	Impairment added based on new data/assessment.
Lake Quannapowitt	MA93060	5	5	DDT in Fish Tissue	Impairment changed from "DDT" to "DDT in Fish Tissue".
				Harmful Algal Bloom	Impairment changed from "Excess Algal Growth" to "Harmful Algal Bloom".
Unnamed Tributary	MA93-58	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.
Unnamed Tributary	MA93-59	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.
Quinebaug					
Cady Brook	MA41-06	5	5	Escherichia coli	Impairment added based on new data/assessment.
Quinebaug River	MA41-03	5	5	Escherichia coli	Impairment added based on new data/assessment.
West Brook	MA41-17	2	5	Escherichia coli	Impairment added based on new data/assessment.
Shawsheen					
Content Brook	MA83-09	2	5	Aquatic Macroinvertebrate Bioassessments	Impairment added based on new data/assessment.
ELM BROOK	MA83-24	--	5	(Physical substrate habitat alterations*)	New segment - Historic impairment from former segment (MA83-05) transferred to this segment.
				Sedimentation/Siltation	New segment - Impairment added based on new data/assessment.
Shawsheen River	MA83-08	5	5	Oxygen, Dissolved	Impairment added based on new data/assessment.
Unnamed Tributary	MA83-15	5	5	(Low flow alterations*)	Impairment added based on new data/assessment.
Vine Brook	MA83-06	4A	5	Oxygen, Dissolved	Impairment added based on new data/assessment.

Appendix 2
Impairments *added* to categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	Explanation
				Turbidity	Historic impairment from former segment (MA83003) transferred to this segment.
WEBB BROOK	MA83-22	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.
South Coastal					
CUSHING BROOK	MA94-40	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.
Drinkwater River	MA94-21	5	5	(Debris/Floatables/Trash*)	Historic impairment from former segment (MA94037) transferred to this segment.
				(Non-Native Aquatic Plants*)	Historic impairment from former segment (MA94037) transferred to this segment.
				Chlorophyll-a	Historic impairment from former segment (MA94037) transferred to this segment.
				Dissolved oxygen saturation	Historic impairment from former segment (MA94037) transferred to this segment.
EEL RIVER	MA94-37	--	4C	(Fish-Passage Barrier*)	New segment - Historic impairment from former segment (MA94-23) transferred to this segment.
				(Non-Native Aquatic Plants*)	New segment - Historic impairment from former segment (MA94-23) transferred to this segment.
EEL RIVER	MA94-38	--	4C	(Fish-Passage Barrier*)	New segment - Historic impairment from former segment (MA94-23) transferred to this segment.
				(Non-Native Aquatic Plants*)	New segment - Historic impairment from former segment (MA94-23) transferred to this segment.
Indian Head Pond	MA94071	3	5	Harmful Algal Bloom	Impairment added based on new data/assessment.
Indian Head River	MA94-04	5	5	Escherichia coli	Impairment added based on new data/assessment.
LONGWATER BROOK	MA94-39	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.
Oldham Pond	MA94114	4C	5	Harmful Algal Bloom	Impairment added based on new data/assessment.
Savery Pond	MA94136	2	5	Harmful Algal Bloom	Impairment added based on new data/assessment.
Wampatuck Pond	MA94168	5	5	Harmful Algal Bloom	Impairment changed from "Excess Algal Growth" to "Harmful Algal Bloom".
Taunton					
Glue Factory Pond	MA62078	--	5	(Physical substrate habitat alterations*)	New segment - Historic impairment from former segment (MA62-39) transferred to this segment.
				Aquatic Macroinvertebrate Bioassessments	New segment - Historic impairment from former segment (MA62-39) transferred to this segment.
				Fishes Bioassessments	New segment - Historic impairment from former segment (MA62-39) transferred to this segment.
				Sedimentation/Siltation	New segment - Historic impairment from former segment (MA62-39) transferred to this segment.
Mill River	MA62-29	3	4C	(Non-Native Aquatic Plants*)	Historic impairment from former segment (MA62228) transferred to this segment.
Monponsett Pond, East Basin	MA62218	4A	5	Chlorophyll-a	Impairment added based on new data/assessment.
				Harmful Algal Bloom	Impairment added based on new data/assessment.
Monponsett Pond, West Basin	MA62119	5	5	Chlorophyll-a	Impairment added based on new data/assessment.
				Harmful Algal Bloom	Impairment changed from "Excess Algal Growth" to "Harmful Algal Bloom".

Appendix 2
Impairments *added* to categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	Explanation
QUESET BROOK	MA62-67	--	4C	(Non-Native Aquatic Plants*)	New segment - Historic impairment from former segment (MA62172) transferred to this segment.
Reservoir (White Oak Reservoir)	MA62157	3	5	Nutrient/Eutrophication Biological Indicators	Impairment added based on new data/assessment.
RUMFORD RIVER	MA62-62	--	5	(Non-Native Aquatic Plants*)	New segment - Historic impairment from former segment (MA62112) transferred to this segment.
				(Physical substrate habitat alterations*)	New segment - Historic impairment from former segment (MA62-39) transferred to this segment.
				Aquatic Macroinvertebrate Bioassessments	New segment - Historic impairment from former segment (MA62-39) transferred to this segment.
				Fishes Bioassessments	New segment - Historic impairment from former segment (MA62-39) transferred to this segment.
				Sedimentation/Siltation	New segment - Historic impairment from former segment (MA62-39) transferred to this segment.
RUMFORD RIVER	MA62-63	--	5	(Physical substrate habitat alterations*)	New segment - Historic impairment from former segment (MA62-39) transferred to this segment.
				Aquatic Macroinvertebrate Bioassessments	New segment - Historic impairment from former segment (MA62-39) transferred to this segment.
				Dioxin (including 2,3,7,8-TCDD)	New segment - Historic impairment from former segment(s) (MA62029, MA62091, MA62075) transferred to this segment.
				Fishes Bioassessments	New segment - Historic impairment from former segment (MA62-39) transferred to this segment.
				Pentachlorophenol (PCP)	New segment - Historic impairment from former segment(s) (MA62029, MA62091, MA62075) transferred to this segment.
				Sedimentation/Siltation	New segment - Historic impairment from former segment (MA62-39) transferred to this segment.
Salisbury Brook	MA62-08	5	5	(Debris/Floatables/Trash*)	Impairment added based on new data/assessment.
				Excess Algal Growth	Impairment added based on new data/assessment.
Salisbury Plain River	MA62-05	5	5	(Debris/Floatables/Trash*)	Impairment added based on new data/assessment.
Sassaquin Pond	MA62232	5	5	Harmful Algal Bloom	Impairment added based on new data/assessment.
Shumatuscacant River	MA62-33	5	5	(Non-Native Aquatic Plants*)	Historic impairment from former segment (MA62090) transferred to this segment.
Stetson Pond	MA62182	5	5	Harmful Algal Bloom	Impairment added based on new data/assessment.
Taunton River	MA62-01	2	5	Escherichia coli	Impairment added based on new data/assessment.
Taunton River	MA62-04	5	5	Enterococcus	Impairment added based on new data/assessment.
Wading River	MA62-47	5	5	Excess Algal Growth	Impairment added based on new data/assessment.
WADING RIVER	MA62-60	--	4C	(Non-Native Aquatic Plants*)	New segment - Historic impairment from former segment (MA62185) transferred to this segment.
Watson Pond	MA62205	5	5	Enterococcus	Impairment added based on new data/assessment.
Ten Mile					

Appendix 2
Impairments *added* to categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	Explanation
Bungay River	MA52-06	5	5	Aquatic Macroinvertebrate Bioassessments	Impairment added based on new data/assessment.
				Oxygen, Dissolved	Impairment added based on new data/assessment.
Coles Brook	MA52-11	4C	5	Escherichia coli	Impairment added based on new data/assessment.
				Oxygen, Dissolved	Impairment added based on new data/assessment.
James V. Turner Reservoir	MA52022	5	5	Harmful Algal Bloom	Impairment added based on new data/assessment.
Scotts Brook	MA52-09	4C	5	Escherichia coli	Impairment added based on new data/assessment.
Sevenmile River	MA52-07	2	5	Escherichia coli	Impairment added based on new data/assessment.
Sevenmile River	MA52-08	5	5	Escherichia coli	Impairment added based on new data/assessment.
Speedway Brook	MA52-05	5	5	Escherichia coli	Impairment added based on new data/assessment.
Ten Mile River	MA52-02	5	5	Escherichia coli	Impairment added based on new data/assessment.
Ten Mile River	MA52-03	5	5	Aquatic Macroinvertebrate Bioassessments	Impairment added based on new data/assessment.
				Chlordane in Fish Tissue	Impairment changed from "Chlordane" to "Chlordane in Fish Tissue".
				Escherichia coli	Impairment added based on new data/assessment.
				Nutrient/Eutrophication Biological Indicators	Impairment added based on new data/assessment.
Westfield					
Buck Pond	MA32012	4C	5	Chlorophyll-a	Impairment added based on new data/assessment.
				Oxygen, Dissolved	Impairment added based on new data/assessment.
Congamond Lakes	MA32021	5	5	(Nonnative Fish, Shellfish, or Zooplankton*)	Impairment added based on new data/assessment.
				Harmful Algal Bloom	Impairment added based on new data/assessment.
DEAD BRANCH (BROOK)	MA32-63	--	5	Lack of a coldwater assemblage	New segment - Impairment added based on new data/assessment.
Horse Pond	MA32043	4C	5	Chlorophyll-a	Impairment added based on new data/assessment.
				Oxygen, Dissolved	Impairment added based on new data/assessment.
Little River	MA32-16	2	5	Temperature, water	Impairment added based on new data/assessment.
MIDDLE BRANCH WESTFIELD RIVER	MA32-65	--	5	Temperature, water	New segment - Impairment added based on new data/assessment.
Miller Brook	MA32-27	2	5	Escherichia coli	Impairment added based on new data/assessment.
MOOSE MEADOW BROOK	MA32-41	--	5	Escherichia coli	New segment - Impairment added based on new data/assessment.
				Fecal Coliform	New segment - Historic impairment from former segment (MA32-23) transferred to this segment.
Pequot Pond	MA32055	5	5	Chlorophyll-a	Impairment added based on new data/assessment.
				Enterococcus	Impairment added based on new data/assessment.
Powdermill Brook	MA32-09	5	5	Escherichia coli	Impairment added based on new data/assessment.

Appendix 2
Impairments *added* to categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	Explanation
West Falls Branch	MA32-13	3	5	Temperature, water	Impairment added based on new data/assessment.
Westfield River	MA32-04	2	5	Enterococcus	Impairment added based on new data/assessment.
				Temperature, water	Impairment added based on new data/assessment.
White Brook	MA32-28	2	5	Escherichia coli	Impairment added based on new data/assessment.

Appendix 3
Impairments *removed* from categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	EPA TMDL No.	Explanation
Blackstone						
Beaver Brook	MA51-07	5	5	(Debris/Floatables/Trash*)		Applicable WQS attained; reason for recovery unspecified.
				Taste and Odor		Applicable WQS attained; reason for recovery unspecified.
Blackstone River	MA51-04	5	5	DDT		Impairment changed from "DDT" to "DDT in Fish Tissue".
Blackstone River	MA51-06	5	5	DDT		Impairment changed from "DDT" to "DDT in Fish Tissue".
Brierly Pond	MA51010	4A	4C	Aquatic Plants (Macrophytes)	175	Not caused by a pollutant, impairment still exists.
Dark Brook	MA51-16	5	5	Aquatic Plants (Macrophytes)	2377	Applicable WQS attained; reason for recovery unspecified.
Eddy Pond	MA51043	4A	4A	Aquatic Plants (Macrophytes)	2382	Not caused by a pollutant, impairment still exists.
				Nutrient/Eutrophication Biological Indicators	2382	New impairment, covered under existing TMDL [CN 070.1, 5/2/2002], added to this segment for 2016.
Flint Pond	MA51050	4A	4A	Aquatic Plants (Macrophytes)	444	Not caused by a pollutant, impairment still exists.
				Nutrient/Eutrophication Biological Indicators	444	New impairment, covered under existing TMDL [CN 115.0, 6/28/2002], added to this segment for 2016.
Flint Pond	MA51188	4A	4A	Aquatic Plants (Macrophytes)	444	Not caused by a pollutant, impairment still exists.
				Nutrient/Eutrophication Biological Indicators	444	New impairment, covered under existing TMDL [CN 115.0, 6/28/2002], added to this segment for 2016.
Howe Reservoirs	MA51071	4A	4A	Aquatic Plants (Macrophytes)	550	Not caused by a pollutant, impairment still exists.
				Nutrient/Eutrophication Biological Indicators	550	New impairment, covered under existing TMDL [CN 070.1, 5/2/2002], added to this segment for 2016.
Indian Lake	MA51073	4A	4A	Aquatic Plants (Macrophytes)	2323	Applicable WQS attained; according to new assessment method.
				Harmful Algal Bloom	2323	New impairment, covered under existing TMDL [CN 116.0, 6/28/2002], added to this segment for 2016.
				Nutrient/Eutrophication Biological Indicators	2323	New impairment, covered under existing TMDL [CN 116.0, 6/28/2002], added to this segment for 2016.
Jordan Pond	MA51078	4A	4A	Harmful Algal Bloom	2385	New impairment, covered under existing TMDL [CN 070.1, 5/2/2002], added to this segment for 2016.
Kettle Brook	MA51-01	5	5	(Debris/Floatables/Trash*)		Applicable WQS attained; reason for recovery unspecified.

Appendix 3
Impairments *removed* from categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	EPA TMDL No.	Explanation
				Aquatic Plants (Macrophytes)	2391	Applicable WQS attained; reason for recovery unspecified.
				Turbidity	2389	Applicable WQS attained; reason for recovery unspecified.
Mill River	MA51-36	5	5	Aquatic Plants (Macrophytes)		Applicable WQS attained; according to new assessment method.
Newton Pond	MA51110	4A	4C	Aquatic Plants (Macrophytes)	862	Applicable WQS attained; according to new assessment method.
Shirley Street Pond	MA51196	4A	4A	Aquatic Plants (Macrophytes)	2392	Not caused by a pollutant, impairment still exists.
				Nutrient/Eutrophication Biological Indicators	2392	New impairment, covered under existing TMDL [CN 070.1, 5/2/2002], added to this segment for 2016.
Singletary Brook	MA51-31	5	5	Aquatic Plants (Macrophytes)		Original basis for listing was incorrect.
Southwick Pond	MA51157	4A	4A	Aquatic Plants (Macrophytes)	2390	Not caused by a pollutant, impairment still exists.
				Nutrient/Eutrophication Biological Indicators	2390	New impairment, covered under existing TMDL [CN 070.1, 5/2/2002], added to this segment for 2016.
Tatnuck Brook	MA51-15	5	5	(Debris/Floatables/Trash*)		Applicable WQS attained; reason for recovery unspecified.
				Turbidity		Applicable WQS attained; reason for recovery unspecified.
Unnamed Tributary	MA51-08	5	5	Aquatic Plants (Macrophytes)	2319	Applicable WQS attained; according to new assessment method.
Unnamed Tributary	MA51-20	5	5	Aquatic Plants (Macrophytes)	360, 361	Applicable WQS attained; according to new assessment method.
				Fecal Coliform		Applicable WQS attained; due to change in WQS.
WEST BROOK	MA51-43	--	2	Turbidity	804	New segment - Historic impairment from former segment (MA51105) transferred to this segment. Applicable WQS attained; reason for recovery unspecified.
West River	MA51-12	5	5	Aquatic Plants (Macrophytes)		Applicable WQS attained; according to new assessment method.
Boston Harbor (Proper)						
Dorchester Bay	MA70-03	5	5	Total Suspended Solids (TSS)		Applicable WQS attained; due to restoration activities.
				Turbidity		Applicable WQS attained; due to restoration activities.
Boston Harbor: Mystic						
Aberjona River	MA71-01	5	5	Turbidity		Applicable WQS attained; reason for recovery unspecified.
Clay Pit Pond	MA71011	5	5	Chlordane		Impairment changed from "Chlordane" to "Chlordane in Fish Tissue".

Appendix 3
Impairments *removed* from categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	EPA TMDL No.	Explanation
Horn Pond	MA71019	5	5	Excess Algal Growth		Impairment changed from "Excess Algal Growth" to "Harmful Algal Bloom".
Lower Mystic Lake	MA71027	5	5	DDT		Impairment changed from "DDT" to "DDT in Fish Tissue".
Malden River	MA71-05	5	5	Chlordane		Impairment changed from "Chlordane" to "Chlordane in Fish Tissue".
				DDT		Impairment changed from "DDT" to "DDT in Fish Tissue".
Mystic River	MA71-02	5	5	Chlordane		Impairment changed from "Chlordane" to "Chlordane in Fish Tissue".
				DDT		Impairment changed from "DDT" to "DDT in Fish Tissue".
Spy Pond	MA71040	5	5	Chlordane		Impairment changed from "Chlordane" to "Chlordane in Fish Tissue".
				DDT		Impairment changed from "DDT" to "DDT in Fish Tissue".
				Excess Algal Growth		Impairment changed from "Excess Algal Growth" to "Harmful Algal Bloom".
Boston Harbor: Neponset						
Beaver Meadow Brook	MA73-20	5	5	Escherichia coli	2592	New impairment, covered under existing TMDL [CN 121.0, 6/21/2002], added to this segment for 2016.
East Branch	MA73-05	5	5	DDT		Impairment changed from "DDT" to "DDT in Fish Tissue".
Germany Brook	MA73-15	5	5	(Debris/Floatables/Trash*)		Applicable WQS attained; reason for recovery unspecified.
				Color		Original basis for listing was incorrect.
Hawes Brook	MA73-16	5	5	(Debris/Floatables/Trash*)		Applicable WQS attained; reason for recovery unspecified.
Massapoag Brook	MA73-21	5	5	Turbidity		Applicable WQS attained; reason for recovery unspecified.
Mine Brook	MA73-09	5	5	Fecal Coliform	2592	Applicable WQS attained; due to change in WQS.
Mother Brook	MA73-28	5	5	DDT		Impairment changed from "DDT" to "DDT in Fish Tissue".
				Escherichia coli	2592	Applicable WQS attained; reason for recovery unspecified.
				Fecal Coliform	2592	Applicable WQS attained; due to change in WQS.
Neponset River	MA73-01	5	5	DDT		Impairment changed from "DDT" to "DDT in Fish Tissue".
				Excess Algal Growth		Applicable WQS attained; reason for recovery unspecified.

Appendix 3
Impairments *removed* from categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	EPA TMDL No.	Explanation
				Sedimentation/Siltation		Applicable WQS attained; reason for recovery unspecified.
				Total Suspended Solids (TSS)		Applicable WQS attained; reason for recovery unspecified.
				Turbidity		Applicable WQS attained; reason for recovery unspecified.
Neponset River	MA73-02	5	5	DDT		Impairment changed from "DDT" to "DDT in Fish Tissue".
Neponset River	MA73-03	5	5	DDT		Impairment changed from "DDT" to "DDT in Fish Tissue".
Pecunit Brook	MA73-25	4A	2	Escherichia coli	54842	Applicable WQS attained; reason for recovery unspecified.
School Meadow Brook	MA73-06	4A	2	Fecal Coliform	2592	Applicable WQS attained; due to change in WQS.
Traphole Brook	MA73-17	4A	2	Fecal Coliform	2592	Applicable WQS attained; due to change in WQS.
Unnamed Tributary	MA73-33	5	5	Color		Applicable WQS attained; reason for recovery unspecified.
				Taste and Odor		Applicable WQS attained; reason for recovery unspecified.
Unquity Brook	MA73-26	5	5	(Debris/Floatables/Trash*)		Applicable WQS attained; reason for recovery unspecified.
Boston Harbor: Weymouth & Weir						
Cochato River	MA74-06	5	5	Chlordane		Impairment changed from "Chlordane" to "Chlordane in Fish Tissue".
				DDT		Impairment changed from "DDT" to "DDT in Fish Tissue".
Mill River	MA74-04	5	5	Nutrient/Eutrophication Biological Indicators		Applicable WQS attained; according to new assessment method.
Sylvan Lake	MA74021	5	5	Chlordane		Impairment changed from "Chlordane" to "Chlordane in Fish Tissue".
				DDT		Impairment changed from "DDT" to "DDT in Fish Tissue".
Weir River	MA74-02	5	5	Fecal Coliform		Applicable WQS attained; due to change in WQS.
Whitmans Pond	MA74025	5	5	DDT		Impairment changed from "DDT" to "DDT in Fish Tissue".
Buzzards Bay						
Acushnet River	MA95-31	5	5	Enterococcus	36170	New impairment, covered under existing TMDL [CN 251.1, 5/15/2009], added to this segment for 2016.
				Escherichia coli	36170	New impairment, covered under existing TMDL [CN 251.1, 5/15/2009], added to this segment for 2016.

Appendix 3
Impairments *removed* from categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	EPA TMDL No.	Explanation
				Other		Applicable WQS attained; reason for recovery unspecified.
				Sedimentation/Siltation		Applicable WQS attained; reason for recovery unspecified.
Acushnet River	MA95-32	5	5	Enterococcus	36170	New impairment, covered under existing TMDL [CN 251.1, 5/15/2009], added to this segment for 2016.
				Escherichia coli	36170	New impairment, covered under existing TMDL [CN 251.1, 5/15/2009], added to this segment for 2016.
				Other		Applicable WQS attained; reason for recovery unspecified.
				Oxygen, Dissolved		Applicable WQS attained; reason for recovery unspecified.
Acushnet River	MA95-33	5	5	Enterococcus	36171	New impairment, covered under existing TMDL [CN 251.1, 5/15/2009], added to this segment for 2016.
Agawam River	MA95-29	5	5	Ammonia (Un-ionized)		Applicable WQS attained; due to restoration activities.
				Whole Effluent Toxicity (WET)		Applicable WQS attained; due to restoration activities.
Bread and Cheese Brook	MA95-58	4A	4A	Enterococcus	36170	New impairment, covered under existing TMDL [CN 251.1, 5/15/2009], added to this segment for 2016.
Buttonwood Brook	MA95-13	4A	4A	Enterococcus	36170	New impairment, covered under existing TMDL [CN 251.1, 5/15/2009], added to this segment for 2016.
				Escherichia coli	36170	New impairment, covered under existing TMDL [CN 251.1, 5/15/2009], added to this segment for 2016.
Clarks Cove	MA95-38	5	5	Enterococcus	36172	New impairment, covered under existing TMDL [CN 251.1, 5/15/2009], added to this segment for 2016.
Crooked River	MA95-51	4A	4A	Enterococcus	36172	New impairment, covered under existing TMDL [CN 251.1, 5/15/2009], added to this segment for 2016.
East Branch Westport River	MA95-40	4A	4A	Enterococcus	36170	New impairment, covered under existing TMDL [CN 251.1, 5/15/2009], added to this segment for 2016.
Little River	MA95-66	5	2	Nitrogen (Total)		Original basis for listing was incorrect.
Nasketucket River	MA95-67	5	2	Nitrogen (Total)		Original basis for listing was incorrect.
New Bedford Inner Harbor	MA95-42	5	5	Enterococcus	36171	New impairment, covered under existing TMDL [CN 251.1, 5/15/2009], added to this segment for 2016.

Appendix 3
Impairments *removed* from categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	EPA TMDL No.	Explanation
New Bedford Reservoir	MA95110	5	5	DDT		Impairment changed from "DDT" to "DDT in Fish Tissue".
Outer New Bedford Harbor	MA95-63	5	5	Enterococcus	36172	New impairment, covered under existing TMDL [CN 251.1, 5/15/2009], added to this segment for 2016.
				Estuarine Bioassessments		Applicable WQS attained; reason for recovery unspecified.
				Nitrogen (Total)		Applicable WQS attained; reason for recovery unspecified.
				Other		Applicable WQS attained; reason for recovery unspecified.
				Oxygen, Dissolved		Applicable WQS attained; reason for recovery unspecified.
Phinneys Harbor	MA95-15	4A	4A	Estuarine Bioassessments	35069	New impairment, covered under existing TMDL [CN 247.0, 2/5/2008], added to this segment for 2016.
Sampson Pond	MA95125	5	5	DDT		Impairment changed from "DDT" to "DDT in Fish Tissue".
Sippican Harbor	MA95-69	4A	2	Fecal Coliform	36172	Applicable WQS attained; reason for recovery unspecified.
Sippican River	MA95-06	5	5	(Fish-Passage Barrier*)		Applicable WQS attained; due to restoration activities.
Snell Creek	MA95-44	4A	4A	Enterococcus	36170	New impairment, covered under existing TMDL [CN 251.1, 5/15/2009], added to this segment for 2016.
				Escherichia coli	36170	New impairment, covered under existing TMDL [CN 251.1, 5/15/2009], added to this segment for 2016.
Snell Creek	MA95-45	4A	4A	Enterococcus	36170	New impairment, covered under existing TMDL [CN 251.1, 5/15/2009], added to this segment for 2016.
				Escherichia coli	36170	New impairment, covered under existing TMDL [CN 251.1, 5/15/2009], added to this segment for 2016.
Westport River	MA95-54	5	4A	Estuarine Bioassessments		Applicable WQS attained; according to new assessment method.
				Nitrogen (Total)		Applicable WQS attained; according to new assessment method.
Weweantic River	MA95-05	5	5	Enterococcus	36172	New impairment, covered under existing TMDL [CN 251.1, 5/15/2009], added to this segment for 2016.
White Island Pond, East Basin	MA95166	4A	4C	Chlorophyll-a	38912	Applicable WQS attained; due to restoration activities.
				Excess Algal Growth	38912	Applicable WQS attained; due to restoration activities.

Appendix 3
Impairments *removed* from categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	EPA TMDL No.	Explanation
				Oxygen, Dissolved	38912	Applicable WQS attained; due to restoration activities.
				Phosphorus (Total)	38912	Applicable WQS attained; due to restoration activities.
				Secchi disk transparency	38912	Applicable WQS attained; due to restoration activities.
White Island Pond, West Basin	MA95173	4A	4C	Excess Algal Growth	38914	Applicable WQS attained; due to restoration activities.
				Oxygen, Dissolved	38914	Applicable WQS attained; due to restoration activities.
				Phosphorus (Total)	38914	Applicable WQS attained; due to restoration activities.
Wild Harbor River	MA95-68	5	4A	Nutrient/Eutrophication Biological Indicators		Applicable WQS attained; reason for recovery unspecified.
Cape Cod						
Great Pond	MA96-54	4A	4A	Enterococcus	36772	New impairment, covered under existing TMDL [CN 252.0, 8/28/2009], added to this segment for 2016.
				Fecal Coliform	36772	Impairment, covered under existing TMDL [CN 252.0, 8/28/2009], removed in earlier cycle and relisted in 2016 based on new assessment.
Hyannis Harbor	MA96-05	4A	2	Fecal Coliform	36771	Applicable WQS attained; according to new assessment method.
Hyannis Inner Harbor	MA96-82	5	4A	Nitrogen (Total)	64145	New TMDL [CN 314.0, 4/15/2015] applied for the 2016 cycle.
Lewis Bay	MA96-36	5	4A	Estuarine Bioassessments	64146, 64147	New TMDL [CN 314.0, 4/15/2015] applied for the 2016 cycle.
Little Pleasant Bay	MA96-78	4A	4A	Fecal Coliform	42358	Applicable WQS attained; according to new assessment method.
Lovells Pond	MA96185	5	5	Excess Algal Growth		Impairment changed from "Excess Algal Growth" to "Harmful Algal Bloom".
Lower Mill Pond	MA96188	5	5	Secchi disk transparency		Applicable WQS attained; reason for recovery unspecified.
Mill Creek	MA96-80	5	4A	Nitrogen (Total)	64148, 64149	New TMDL [CN 314.0, 4/15/2015] applied for the 2016 cycle.
Popponesset Creek	MA96-39	5	5	Fecal Coliform	36772	Impairment, covered under existing TMDL [CN 252.0, 8/28/2009], removed in earlier cycle and relisted in 2016 based on new assessment.
Santuit Pond	MA96277	5	5	Excess Algal Growth		Impairment changed from "Excess Algal Growth" to "Harmful Algal Bloom".
Town Cove	MA96-68	5	5	Fecal Coliform	36772	Applicable WQS attained; according to new assessment method.
Charles						
Beaver Brook	MA72-28	5	5	Taste and Odor		Applicable WQS attained; reason for recovery unspecified.

Appendix 3
Impairments *removed* from categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	EPA TMDL No.	Explanation
				Turbidity	40317	Applicable WQS attained; reason for recovery unspecified.
Bogastow Brook	MA72-16	4A	2	Fecal Coliform	32373	Applicable WQS attained; due to change in WQS.
Charles River	MA72-03	5	5	DDT		Impairment changed from "DDT" to "DDT in Fish Tissue".
Charles River	MA72-04	5	5	Chlordane		Impairment changed from "Chlordane" to "Chlordane in Fish Tissue".
				DDT		Impairment changed from "DDT" to "DDT in Fish Tissue".
Charles River	MA72-05	5	5	Chlordane		Impairment changed from "Chlordane" to "Chlordane in Fish Tissue".
				DDT		Impairment changed from "DDT" to "DDT in Fish Tissue".
Charles River	MA72-06	5	5	DDT		Impairment changed from "DDT" to "DDT in Fish Tissue".
				Other		Original basis for listing was incorrect.
Charles River	MA72-07	5	5	DDT		Impairment changed from "DDT" to "DDT in Fish Tissue".
				Harmful Algal Bloom	40317	New impairment, covered under existing TMDL [CN 272.0, 6/10/2011], added to this segment for 2016.
Charles River	MA72-36	5	5	DDT		Impairment changed from "DDT" to "DDT in Fish Tissue".
				Harmful Algal Bloom	33826	New impairment, covered under existing TMDL [CN 301.0, 10/17/2007], added to this segment for 2016.
Charles River	MA72-38	5	5	DDT		Impairment changed from "DDT" to "DDT in Fish Tissue".
				Dissolved oxygen saturation	33826	TMDL [CN 301.0, 10/17/2007] added due to clerical error/earlier omission.
				Escherichia coli	32371	TMDL [CN 156.0, 5/22/2007] added due to clerical error/earlier omission.
				Excess Algal Growth	33826	Impairment changed from "Excess Algal Growth" to "Harmful Algal Bloom".
				Harmful Algal Bloom	33826	New impairment, covered under existing TMDL [CN 301.0, 10/17/2007], added to this segment for 2016.
Muddy River	MA72-11	5	5	DDT		Impairment changed from "DDT" to "DDT in Fish Tissue".
Populatic Pond	MA72096	5	5	Chlordane		Impairment changed from "Chlordane" to "Chlordane in Fish Tissue".

Appendix 3
Impairments *removed* from categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	EPA TMDL No.	Explanation
				DDT		Impairment changed from "DDT" to "DDT in Fish Tissue".
Rock Meadow Brook	MA72-21	5	5	Aquatic Plants (Macrophytes)	40317	Applicable WQS attained; reason for recovery unspecified.
Stop River	MA72-10	5	5	Escherichia coli	32372	Applicable WQS attained; reason for recovery unspecified.
Chicopee						
Forget-Me-Not Brook	MA36-28	5	5	Escherichia coli		Applicable WQS attained; reason for recovery unspecified.
				Taste and Odor		Applicable WQS attained; according to new assessment method.
Wickaboag Pond	MA36166	4A	4A	Aquatic Plants (Macrophytes)	1332	Applicable WQS attained; according to new assessment method.
Concord (SuAsCo)						
Assabet River	MA82B-01	5	5	Fecal Coliform		Applicable WQS attained; due to change in WQS.
Assabet River	MA82B-02	5	5	Excess Algal Growth	35104	New impairment, covered under existing TMDL [CN 201.0, 9/23/2004], added to this segment for 2016.
Assabet River	MA82B-03	5	5	Nutrient/Eutrophication Biological Indicators	35105	New impairment, covered under existing TMDL [CN 201.0, 9/23/2004], added to this segment for 2016.
Assabet River	MA82B-06	5	5	(Debris/Floatables/Trash*)		Applicable WQS attained; due to restoration activities.
				Taste and Odor		Applicable WQS attained; due to restoration activities.
Concord River	MA82A-07	5	5	Phosphorus (Total)		Applicable WQS attained; due to restoration activities.
Concord River	MA82A-08	5	5	Phosphorus (Total)		Applicable WQS attained; due to restoration activities.
Concord River	MA82A-09	5	5	Phosphorus (Total)		Applicable WQS attained; due to restoration activities.
Fort Meadow Reservoir	MA82042	5	5	Chlordane		Impairment changed from "Chlordane" to "Chlordane in Fish Tissue".
Hop Brook	MA82A-06	5	5	Excess Algal Growth		Applicable WQS attained; reason for recovery unspecified.
				Fecal Coliform		Applicable WQS attained; due to change in WQS.
Connecticut						
Bachelor Brook	MA34-07	4A	5	Nutrient/Eutrophication Biological Indicators	5, 6	Applicable WQS attained; according to new assessment method.
Connecticut River	MA34-05	5	5	Total Suspended Solids (TSS)		Applicable WQS attained; reason for recovery unspecified.
Leaping Well Reservoir	MA34040	5	5	(Non-Native Aquatic Plants*)		Original basis for listing was incorrect.
Loon Pond	MA34045	4A	3	Nutrient/Eutrophication Biological Indicators	726	Original basis for listing was incorrect.
Mill River	MA34-28	5	2	Escherichia coli		Applicable WQS attained; reason for recovery unspecified.

Appendix 3
Impairments *removed* from categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	EPA TMDL No.	Explanation
Deerfield						
Chickley River	MA33-11	5	2	Fecal Coliform		Applicable WQS attained; due to change in WQS.
SOUTH RIVER	MA33-101	--	5	(Physical substrate habitat alterations*)		New segment - Historic impairment from former segment (MA33-08) transferred to this segment. Applicable WQS attained; reason for recovery unspecified.
Tannery Pond	MA33020	4C	3	(Low flow alterations*)		Original basis for listing was incorrect.
French						
Buffumville Lake	MA42005	4A	4A	Excess Algal Growth	2358	Applicable WQS attained; reason for recovery unspecified.
Cedar Meadow Pond	MA42009	4A	4C	Aquatic Plants (Macrophytes)	2359	Original basis for listing was incorrect.
French River	MA42-03	5	5	Aquatic Plants (Macrophytes)	2357	Applicable WQS attained; according to new assessment method.
				Phosphorus (Total)		Applicable WQS attained; due to restoration activities.
				Turbidity		Applicable WQS attained; due to restoration activities.
French River	MA42-05	5	5	(Debris/Floatables/Trash*)		Applicable WQS attained; reason for recovery unspecified.
				Fecal Coliform		Applicable WQS attained; due to change in WQS.
French River	MA42-06	5	5	(Debris/Floatables/Trash*)		Applicable WQS attained; reason for recovery unspecified.
				Fecal Coliform		Applicable WQS attained; due to change in WQS.
				Other		Original basis for listing was incorrect.
				Taste and Odor		Applicable WQS attained; reason for recovery unspecified.
				Turbidity		Applicable WQS attained; reason for recovery unspecified.
Granite Reservoir	MA42019	4A	4C	Aquatic Plants (Macrophytes)	2362	Applicable WQS attained; according to new assessment method.
Hudson Pond	MA42029	4A	4A	Aquatic Plants (Macrophytes)	2363	Not caused by a pollutant, impairment still exists.
				Nutrient/Eutrophication Biological Indicators	2363	New impairment, covered under existing TMDL [CN 110.0, 7/12/2002], added to this segment for 2016.
Jones Pond	MA42030	4A	4A	Aquatic Plants (Macrophytes)	2364	Not caused by a pollutant, impairment still exists.
				Nutrient/Eutrophication Biological Indicators	2364	New impairment, covered under existing TMDL [CN 110.0, 7/12/2002], added to this segment for 2016.
Larner Pond	MA42068	4A	4C	Aquatic Plants (Macrophytes)	2365	Not caused by a pollutant, impairment still exists.

Appendix 3
Impairments *removed* from categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	EPA TMDL No.	Explanation
Lowes Pond	MA42034	4A	4A	Aquatic Plants (Macrophytes)	2366	Applicable WQS attained; according to new assessment method.
				Nutrient/Eutrophication Biological Indicators	2366	New impairment, covered under existing TMDL [CN 110.0, 7/12/2002], added to this segment for 2016.
McKinstry Pond	MA42035	4A	4A	Aquatic Plants (Macrophytes)	2367	Applicable WQS attained; according to new assessment method.
				Nutrient/Eutrophication Biological Indicators	2367	New impairment, covered under existing TMDL [CN 110.0, 7/12/2002], added to this segment for 2016.
Mosquito Pond	MA42060	4A	4C	Aquatic Plants (Macrophytes)	2374	Not caused by a pollutant, impairment still exists.
New Pond	MA42037	4A	3	Aquatic Plants (Macrophytes)	2368	Applicable WQS attained; according to new assessment method.
Peter Pond	MA42042	4A	3	Oxygen, Dissolved	2369	Original basis for listing was incorrect.
				Phosphorus (Total)	2369	Original basis for listing was incorrect.
Pierpoint Meadow Pond	MA42043	4A	4C	Aquatic Plants (Macrophytes)	2370	Applicable WQS attained; reason for recovery unspecified.
Shepherd Pond	MA42051	4A	4C	Aquatic Plants (Macrophytes)	2373	Not caused by a pollutant, impairment still exists.
Wallis Pond	MA42062	4A	4A	Aquatic Plants (Macrophytes)	2375	Not caused by a pollutant, impairment still exists.
				Nutrient/Eutrophication Biological Indicators	2375	New impairment, covered under existing TMDL [CN 110.0, 7/12/2002], added to this segment for 2016.
Housatonic						
East Branch Housatonic River	MA21-01	5	5	Fecal Coliform		Applicable WQS attained; due to change in WQS.
Pontoosuc Lake	MA21083	5	4A	DDT		Original basis for listing was incorrect.
Wahconah Falls Brook	MA21-11	5	2	Fecal Coliform		Applicable WQS attained; due to change in WQS.
West Branch Housatonic River	MA21-18	5	5	Taste and Odor		Applicable WQS attained; reason for recovery unspecified.
Hudson: Hoosic						
Cheshire Reservoir, Middle Basin	MA11018	5	4C	Aquatic Plants (Macrophytes)		Applicable WQS attained; according to new assessment method.
Cheshire Reservoir, North Basin	MA11002	5	5	Aquatic Plants (Macrophytes)		Applicable WQS attained; according to new assessment method.
				Turbidity		Applicable WQS attained; according to new assessment method.
Green River	MA11-06	5	2	Fecal Coliform		Applicable WQS attained; due to change in WQS.
Hoosic River	MA11-03	5	5	(Physical substrate habitat alterations*)		Impairment changed from "(Physical substrate habitat alterations*)" to "(Other anthropogenic substrate alterations*)".

Appendix 3
Impairments *removed* from categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	EPA TMDL No.	Explanation
Hoosic River	MA11-04	5	4C	Fecal Coliform		Applicable WQS attained; due to change in WQS.
Hoosic River	MA11-05	5	5	Aquatic Macroinvertebrate Bioassessments		Applicable WQS attained; reason for recovery unspecified.
Mauserts Pond	MA11009	5	2	Enterococcus		Applicable WQS attained; due to restoration activities.
Paull Brook	MA11-20	5	4C	Fecal Coliform		Applicable WQS attained; due to change in WQS.
Ipswich						
Boston Brook	MA92-13	2	2	(Non-Native Aquatic Plants*)		Historic impairment from former segment (MA92031) transferred to this segment. Original basis for listing was incorrect.
Howlett Brook	MA92-17	5	5	Fishes Bioassessments		Applicable WQS attained; according to new assessment method.
Lubbers Brook	MA92-05	2	5	(Non-Native Aquatic Plants*)		Historic impairment from former segment(s) (MA92035, MA92036) transferred to this segment. Original basis for listing was incorrect.
				(Sedimentation/Siltation*)		Historic impairment from former segment(s) (MA92035, MA92036) transferred to this segment. Original basis for listing was incorrect.
Martins Brook	MA92-08	5	5	Fishes Bioassessments		Applicable WQS attained; according to new assessment method.
Miles River	MA92-03	5	5	Aquatic Macroinvertebrate Bioassessments		Applicable WQS attained; reason for recovery unspecified.
				Fecal Coliform		Applicable WQS attained; due to change in WQS.
Norris Brook	MA92-11	5	5	Total Suspended Solids (TSS)		Original basis for listing was incorrect.
				Turbidity		Original basis for listing was incorrect.
Silver Lake	MA92059	5	5	DDT		Impairment changed from "DDT" to "DDT in Fish Tissue".
Wenham Lake	MA92073	5	5	DDT		Impairment changed from "DDT" to "DDT in Fish Tissue".
Wills Brook	MA92-10	5	2	Fecal Coliform		Applicable WQS attained; due to change in WQS.
				Oxygen, Dissolved		Original basis for listing was incorrect.
Islands						
Edgartown Great Pond	MA97-17	5	4A	Estuarine Bioassessments	64380	New TMDL [CN 318.0, 6/24/2015] applied for the 2016 cycle.
				Fecal Coliform		Applicable WQS attained; reason for recovery unspecified.
				Nitrogen (Total)	64380	New TMDL [CN 318.0, 6/24/2015] applied for the 2016 cycle.

Appendix 3
Impairments *removed* from categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	EPA TMDL No.	Explanation
				Nutrient/Eutrophication Biological Indicators	64380	New TMDL [CN 318.0, 6/24/2015] applied for the 2016 cycle.
Farm Pond	MA97-30	--	4A	Estuarine Bioassessments	64662	New segment - New TMDL [CN 391.1, 10/2/2015] applied for the 2016 cycle.
				Nitrogen (Total)	64662	New segment - New TMDL [CN 391.1, 10/2/2015] applied for the 2016 cycle.
				Nutrient/Eutrophication Biological Indicators	64662	New segment - New TMDL [CN 391.1, 10/2/2015] applied for the 2016 cycle.
				Oxygen, Dissolved	64662	New segment - New TMDL [CN 391.1, 10/2/2015] applied for the 2016 cycle.
Hither Creek	MA97-28	5	4A	Estuarine Bioassessments	64480	New TMDL [CN 283.0, 7/30/2015] applied for the 2016 cycle.
				Nitrogen (Total)	64480	New TMDL [CN 283.0, 7/30/2015] applied for the 2016 cycle.
				Nutrient/Eutrophication Biological Indicators	64480	New TMDL [CN 283.0, 7/30/2015] applied for the 2016 cycle.
				Oxygen, Dissolved	64480	New TMDL [CN 283.0, 7/30/2015] applied for the 2016 cycle.
Lagoon Pond	MA97-11	5	4A	Estuarine Bioassessments	64583, 64584	New TMDL [CN 390.1, 9/2/2015] applied for the 2016 cycle.
				Fecal Coliform		Applicable WQS attained; according to new assessment method.
				Nitrogen (Total)	64583, 64584	New TMDL [CN 390.1, 9/2/2015] applied for the 2016 cycle.
				Nutrient/Eutrophication Biological Indicators	64583, 64584	New TMDL [CN 390.1, 9/2/2015] applied for the 2016 cycle.
				Oxygen, Dissolved	64583, 64584	New TMDL [CN 390.1, 9/2/2015] applied for the 2016 cycle.
Long Pond	MA97-29	5	5	Dissolved oxygen saturation	64482	New TMDL [CN 283.0, 7/30/2015] applied for the 2016 cycle.
				Estuarine Bioassessments	64482	New TMDL [CN 283.0, 7/30/2015] applied for the 2016 cycle.
				Nitrogen (Total)	64482	New TMDL [CN 283.0, 7/30/2015] applied for the 2016 cycle.
				Nutrient/Eutrophication Biological Indicators	64482	New TMDL [CN 283.0, 7/30/2015] applied for the 2016 cycle.
				Oxygen, Dissolved	64482	New TMDL [CN 283.0, 7/30/2015] applied for the 2016 cycle.
				Secchi disk transparency	64482	New TMDL [CN 283.0, 7/30/2015] applied for the 2016 cycle.

Appendix 3
Impairments *removed* from categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	EPA TMDL No.	Explanation
Madaket Harbor	MA97-27	5	2	Fecal Coliform		Applicable WQS attained; reason for recovery unspecified.
Nantucket Harbor	MA97-01	5	5	Estuarine Bioassessments	36011	New impairment, covered under existing TMDL [CN 249.0, 5/12/2009], added to this segment for 2016.
				Nitrogen (Total)	36011	New impairment, covered under existing TMDL [CN 249.0, 5/12/2009], added to this segment for 2016.
				Nutrient/Eutrophication Biological Indicators	36011	Applicable WQS attained; reason for recovery unspecified.
North Head Long Pond	MA97-34	--	4A	Nutrient/Eutrophication Biological Indicators	64481	New segment - New TMDL [CN 283.0, 7/30/2015] applied for the 2016 cycle.
Polpis Harbor	MA97-26	5	5	Nitrogen (Total)	36012	New impairment, covered under existing TMDL [CN 249.0, 5/12/2009], added to this segment for 2016.
Sengekontacket Pond	MA97-10	2	5	Estuarine Bioassessments	65320	New TMDL [CN 310.1, 1/7/2016] applied for the 2016 cycle.
				Nitrogen (Total)	65320	New TMDL [CN 310.1, 1/7/2016] applied for the 2016 cycle.
				Nutrient/Eutrophication Biological Indicators	65320	New TMDL [CN 310.1, 1/7/2016] applied for the 2016 cycle.
				Oxygen, Dissolved	65320	New TMDL [CN 310.1, 1/7/2016] applied for the 2016 cycle.
Trapps Pond	MA97-32	--	4A	Estuarine Bioassessments	65321	New segment - New TMDL [CN 310.1, 1/7/2016] applied for the 2016 cycle.
				Nitrogen (Total)	65321	New segment - New TMDL [CN 310.1, 1/7/2016] applied for the 2016 cycle.
				Nutrient/Eutrophication Biological Indicators	65321	New segment - New TMDL [CN 310.1, 1/7/2016] applied for the 2016 cycle.
				Oxygen, Dissolved	65321	New segment - New TMDL [CN 310.1, 1/7/2016] applied for the 2016 cycle.
Westend Pond	MA97-20	5	2	Fecal Coliform		Applicable WQS attained; reason for recovery unspecified.
Merrimack						
Forest Lake	MA84014	5	5	Aquatic Plants (Macrophytes)		Applicable WQS attained; according to new assessment method.
Johnson Creek	MA84A-15	5	2	Escherichia coli		Applicable WQS attained; reason for recovery unspecified.
Long Pond	MA84032	5	5	Aquatic Plants (Macrophytes)		Applicable WQS attained; according to new assessment method.
Lowell Canals	MA84A-29	5	5	DDT		Impairment changed from "DDT" to "DDT in Fish Tissue".

Appendix 3
Impairments *removed* from categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	EPA TMDL No.	Explanation
Spicket River	MA84A-10	5	5	Mercury in Water Column		Original basis for listing was incorrect.
Millers						
Beaver Brook	MA35-09	5	5	Fecal Coliform		Applicable WQS attained; due to change in WQS.
Bourn-Hadley Pond	MA35008	4A	4C	Aquatic Plants (Macrophytes)	4117	Not caused by a pollutant, impairment still exists.
Brazell Pond	MA35010	4A	4C	Aquatic Plants (Macrophytes)	4118	Not caused by a pollutant, impairment still exists.
Depot Pond	MA35018	4A	4C	Aquatic Plants (Macrophytes)	4124	Not caused by a pollutant, impairment still exists.
Ellis Pond	MA35023	4A	4C	Aquatic Plants (Macrophytes)	4125	Not caused by a pollutant, impairment still exists.
Greenwood Pond	MA35026	4A	4C	Aquatic Plants (Macrophytes)	4127	Not caused by a pollutant, impairment still exists.
Lake Monomonac	MA35047	5	5	Aquatic Plants (Macrophytes)	4133	Original basis for listing was incorrect.
Millers River	MA35-01	5	5	Fecal Coliform		Applicable WQS attained; due to change in WQS.
				PCB in Fish Tissue		Applicable WQS attained; reason for recovery unspecified.
				Phosphorus (Total)		Applicable WQS attained; reason for recovery unspecified.
Millers River	MA35-03	5	5	Phosphorus (Total)		Applicable WQS attained; reason for recovery unspecified.
Millers River	MA35-04	5	5	Fecal Coliform		Applicable WQS attained; due to change in WQS.
				Phosphorus (Total)		Applicable WQS attained; reason for recovery unspecified.
Otter River	MA35-07	5	2	Aquatic Macroinvertebrate Bioassessments		Applicable WQS attained; reason for recovery unspecified.
				Fishes Bioassessments		Applicable WQS attained; reason for recovery unspecified.
				Nutrient/Eutrophication Biological Indicators		Applicable WQS attained; reason for recovery unspecified.
				Turbidity		Applicable WQS attained; reason for recovery unspecified.
Otter River	MA35-08	5	5	(Total Dissolved Solids*)		Applicable WQS attained; reason for recovery unspecified.
				Aquatic Macroinvertebrate Bioassessments		Applicable WQS attained; reason for recovery unspecified.
				Fecal Coliform		Applicable WQS attained; due to change in WQS.
				Fishes Bioassessments		Applicable WQS attained; reason for recovery unspecified.
				Nutrient/Eutrophication Biological Indicators		Applicable WQS attained; reason for recovery unspecified.
				Taste and Odor		Applicable WQS attained; reason for recovery unspecified.

Appendix 3
Impairments *removed* from categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	EPA TMDL No.	Explanation
				Turbidity		Applicable WQS attained; reason for recovery unspecified.
Parker Pond	MA35056	4A	4A	Aquatic Plants (Macrophytes)	4134	Not caused by a pollutant, impairment still exists.
				Nutrient/Eutrophication Biological Indicators	4134	New impairment, covered under existing TMDL [CN 123.2, 2/5/2003], added to this segment for 2016.
Ramsdall Pond	MA35062	4A	3	Aquatic Plants (Macrophytes)	4136	Applicable WQS attained; according to new assessment method.
Reservoir No. 1	MA35063	4A	4A	Aquatic Plants (Macrophytes)	4137	Not caused by a pollutant, impairment still exists.
				Nutrient/Eutrophication Biological Indicators	4137	New impairment, covered under existing TMDL [CN 123.2, 2/5/2003], added to this segment for 2016.
South Athol Pond	MA35078	4A	4C	Aquatic Plants (Macrophytes)	4140	Not caused by a pollutant, impairment still exists.
Stoddard Pond	MA35083	4A	4C	Aquatic Plants (Macrophytes)	4141	Not caused by a pollutant, impairment still exists.
Whites Mill Pond	MA35099	5	4A	Aquatic Plants (Macrophytes)	4144	Not caused by a pollutant, impairment still exists.
				Mercury in Fish Tissue		Original basis for listing was incorrect.
				Nutrient/Eutrophication Biological Indicators	4144	New impairment, covered under existing TMDL [CN 123.2, 2/5/2003], added to this segment for 2016.
Whitney Pond	MA35101	5	5	Aquatic Plants (Macrophytes)	4145	Not caused by a pollutant, impairment still exists.
Mount Hope Bay (Shore)						
Kickamuit River	MA61-08	4A	4A	Escherichia coli	30702	New impairment, covered under existing TMDL [CN 285.0, 9/29/2006], added to this segment for 2016.
Lee River	MA61-02	5	5	(Debris/Floatables/Trash*)		Original basis for listing was incorrect.
				Taste and Odor		Original basis for listing was incorrect.
Mount Hope Bay	MA61-06	5	5	Enterococcus	38908	New impairment, covered under existing TMDL [CN 351.0, 7/21/2010], added to this segment for 2016.
Mount Hope Bay	MA61-07	5	5	Enterococcus	38909	New impairment, covered under existing TMDL [CN 351.0, 7/21/2010], added to this segment for 2016.
Narragansett Bay (Shore)						
Clear Run Brook	MA53-13	4A	5	Escherichia coli	35097	New impairment, covered under existing TMDL [CN 182.0, 9/22/2004], added to this segment for 2016.
Fullers Brook	MA53-12	3	4A	Escherichia coli	35089	Impairment, covered under existing TMDL [CN 182.0, 9/22/2004], removed in earlier cycle and relisted in 2016 based on new assessment.

Appendix 3
Impairments *removed* from categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	EPA TMDL No.	Explanation
Oak Swamp Brook	MA53-15	3	4A	Escherichia coli	35091	Impairment, covered under existing TMDL [CN 182.0, 9/22/2004], removed in earlier cycle and relisted in 2016 based on new assessment.
PALMER RIVER	MA53-22	--	5	(Low flow alterations*)		New segment - Historic impairment from former segment (MA53-04) transferred to this segment. Original basis for listing was incorrect.
				Escherichia coli	35086	New segment - Historic impairment from former segment (MA53-04) transferred to this segment. Impairment covered under existing TMDL [CN 182.0, 9/22/2004].
				Nutrient/Eutrophication Biological Indicators		New segment - Historic impairment from former segment (MA53-04) transferred to this segment. Original basis for listing was incorrect.
Rocky Run	MA53-16	4A	4A	Escherichia coli	35096	New impairment, covered under existing TMDL [CN 182.0, 9/22/2004], added to this segment for 2016.
Runnins River	MA53-01	5	5	(Debris/Floatables/Trash*)		Applicable WQS attained; according to new assessment method.
				Escherichia coli	38903	New impairment, covered under existing TMDL [CN 351.0, 7/21/2010], added to this segment for 2016.
				Oil and Grease		Applicable WQS attained; reason for recovery unspecified.
Torrey Creek	MA53-14	3	4A	Escherichia coli	35088	Impairment, covered under existing TMDL [CN 182.0, 9/22/2004], removed in earlier cycle and relisted in 2016 based on new assessment.
Nashua						
Bare Hill Pond	MA81007	4A	4A	Nutrient/Eutrophication Biological Indicators	2615	Applicable WQS attained; according to new assessment method.
Gates Brook	MA81-24	5	2	Fecal Coliform		Applicable WQS attained; due to change in WQS.
Lake Shirley	MA81122	5	5	Excess Algal Growth		Impairment changed from "Excess Algal Growth" to "Harmful Algal Bloom".
Squannacook River	MA81-18	5	5	Escherichia coli		Applicable WQS attained; reason for recovery unspecified.
North Coastal						
Alewife Brook	MA93-45	4A	2	Fecal Coliform	50120	Applicable WQS attained; due to change in WQS.
Beaverdam Brook	MA93-30	5	5	Escherichia coli	50120	New impairment, covered under existing TMDL [CN 155.0, 10/25/2012], added to this segment for 2016.

Appendix 3
Impairments *removed* from categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	EPA TMDL No.	Explanation
Bennetts Pond Brook	MA93-48	4A	4A	Escherichia coli	50120	New impairment, covered under existing TMDL [CN 155.0, 10/25/2012], added to this segment for 2016.
Cat Brook	MA93-29	5	5	Fecal Coliform	50120	Applicable WQS attained; due to change in WQS.
Causeway Brook	MA93-47	4A	4A	Escherichia coli	50120	New impairment, covered under existing TMDL [CN 155.0, 10/25/2012], added to this segment for 2016.
Crane Brook	MA93-02	4A	4A	Escherichia coli	50120	New impairment, covered under existing TMDL [CN 155.0, 10/25/2012], added to this segment for 2016.
Flax Pond	MA93023	5	5	Chlordane		Impairment changed from "Chlordane" to "Chlordane in Fish Tissue".
				DDT		Impairment changed from "DDT" to "DDT in Fish Tissue".
Foster Pond	MA93026	5	5	DDT		Impairment changed from "DDT" to "DDT in Fish Tissue".
Frost Fish Brook	MA93-36	4A	4A	Escherichia coli	50120	New impairment, covered under existing TMDL [CN 155.0, 10/25/2012], added to this segment for 2016.
Gloucester Harbor	MA93-18	5	5	Enterococcus	50122	New impairment, covered under existing TMDL [CN 155.0, 10/25/2012], added to this segment for 2016.
Goldthwait Brook	MA93-05	5	5	(Debris/Floatables/Trash*)		Applicable WQS attained; reason for recovery unspecified.
				Escherichia coli	50120	New impairment, covered under existing TMDL [CN 155.0, 10/25/2012], added to this segment for 2016.
				Foam/Flocs/Scum/Oil Slicks		Applicable WQS attained; reason for recovery unspecified.
Hawkes Brook	MA93-32	4A	4A	Escherichia coli	50120	New impairment, covered under existing TMDL [CN 155.0, 10/25/2012], added to this segment for 2016.
Hawkes Brook	MA93-33	4A	4A	Escherichia coli	50120	New impairment, covered under existing TMDL [CN 155.0, 10/25/2012], added to this segment for 2016.
Lake Quannapowitt	MA93060	5	5	DDT		Impairment changed from "DDT" to "DDT in Fish Tissue".
				Excess Algal Growth		Impairment changed from "Excess Algal Growth" to "Harmful Algal Bloom".
Lynn Harbor	MA93-52	4A	4A	Enterococcus	50122	New impairment, covered under existing TMDL [CN 155.0, 10/25/2012], added to this segment for 2016.

Appendix 3
Impairments *removed* from categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	EPA TMDL No.	Explanation
Manchester Harbor	MA93-19	4A	4A	Enterococcus	50122	New impairment, covered under existing TMDL [CN 155.0, 10/25/2012], added to this segment for 2016.
Mill River	MA93-31	5	5	Escherichia coli	50120	New impairment, covered under existing TMDL [CN 155.0, 10/25/2012], added to this segment for 2016.
Nahant Bay	MA93-24	4A	4A	Enterococcus	50121	New impairment, covered under existing TMDL [CN 155.0, 10/25/2012], added to this segment for 2016.
Porter River	MA93-04	4A	4A	Enterococcus	50121	New impairment, covered under existing TMDL [CN 155.0, 10/25/2012], added to this segment for 2016.
Proctor Brook	MA93-39	5	5	Escherichia coli	50120	New impairment, covered under existing TMDL [CN 155.0, 10/25/2012], added to this segment for 2016.
				Foam/Flocs/Scum/Oil Slicks		Applicable WQS attained; reason for recovery unspecified.
				Taste and Odor		Applicable WQS attained; reason for recovery unspecified.
Salem Harbor	MA93-54	5	5	Enterococcus	50122	New impairment, covered under existing TMDL [CN 155.0, 10/25/2012], added to this segment for 2016.
Saugus River	MA93-34	5	5	Aquatic Plants (Macrophytes)		Original basis for listing was incorrect.
				Escherichia coli	50120	New impairment, covered under existing TMDL [CN 155.0, 10/25/2012], added to this segment for 2016.
Saugus River	MA93-35	4A	4A	Escherichia coli	50120	New impairment, covered under existing TMDL [CN 155.0, 10/25/2012], added to this segment for 2016.
Saugus River	MA93-44	5	5	Enterococcus	50122	New impairment, covered under existing TMDL [CN 155.0, 10/25/2012], added to this segment for 2016.
Shute Brook	MA93-50	4A	4A	Escherichia coli	50120	New impairment, covered under existing TMDL [CN 155.0, 10/25/2012], added to this segment for 2016.
Parker						
Pentucket Pond	MA91010	5	5	Fecal Coliform		Applicable WQS attained; reason for recovery unspecified.
Quinebaug						
Cady Brook	MA41-05	5	5	Fecal Coliform		Applicable WQS attained; due to change in WQS.
Hatchet Brook	MA41-14	5	2	Escherichia coli		Applicable WQS attained; reason for recovery unspecified.
Quinebaug River	MA41-01	5	5	Fecal Coliform		Applicable WQS attained; due to change in WQS.

Appendix 3
Impairments *removed* from categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	EPA TMDL No.	Explanation
Quinebaug River	MA41-03	5	5	(Debris/Floatables/Trash*)		Applicable WQS attained; reason for recovery unspecified.
				Taste and Odor		Applicable WQS attained; reason for recovery unspecified.
Shawsheen						
Content Brook	MA83-09	2	5	Escherichia coli	2587	New impairment, covered under existing TMDL [CN 122.0, 9/12/2002], added to this segment for 2016.
ELM BROOK	MA83-23	--	2	(Physical substrate habitat alterations*)		New segment - Historic impairment from former segment (MA83-05) transferred to this segment. Applicable WQS attained; according to new assessment method.
				Fecal Coliform	2587	New segment - Historic impairment from former segment (MA83-05) transferred to this segment. Original basis for listing was incorrect.
				Turbidity		New segment - Historic impairment from former segment (MA83-05) transferred to this segment. Original basis for listing was incorrect.
ELM BROOK	MA83-24	--	5	Escherichia coli	2587	New segment - Historic impairment from former segment (MA83-05) transferred to this segment. Impairment covered under existing TMDL [CN 122.0, 9/12/2002].
				Turbidity		New segment - Historic impairment from former segment (MA83-05) transferred to this segment. Original basis for listing was incorrect.
Long Meadow Brook	MA83-11	4A	4A	Escherichia coli	2587	New impairment, covered under existing TMDL [CN 122.0, 9/12/2002], added to this segment for 2016.
Rogers Brook	MA83-04	5	4A	Escherichia coli	2587	New impairment, covered under existing TMDL [CN 122.0, 9/12/2002], added to this segment for 2016.
				Turbidity		Applicable WQS attained; reason for recovery unspecified.
Sandy Brook	MA83-13	4A	4A	Escherichia coli	2587	New impairment, covered under existing TMDL [CN 122.0, 9/12/2002], added to this segment for 2016.
Shawsheen River	MA83-01	5	5	Escherichia coli	2587	New impairment, covered under existing TMDL [CN 122.0, 9/12/2002], added to this segment for 2016.

Appendix 3
Impairments *removed* from categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	EPA TMDL No.	Explanation
Shawsheen River	MA83-08	5	5	Escherichia coli	2587	New impairment, covered under existing TMDL [CN 122.0, 9/12/2002], added to this segment for 2016.
Shawsheen River	MA83-17	5	5	Escherichia coli	2587	New impairment, covered under existing TMDL [CN 122.0, 9/12/2002], added to this segment for 2016.
Shawsheen River	MA83-18	5	4A	Escherichia coli	2587	New impairment, covered under existing TMDL [CN 122.0, 9/12/2002], added to this segment for 2016.
				Mercury in Fish Tissue		Applicable WQS attained; reason for recovery unspecified.
				Oxygen, Dissolved		Applicable WQS attained; reason for recovery unspecified.
Shawsheen River	MA83-19	5	4A	Escherichia coli	2587	New impairment, covered under existing TMDL [CN 122.0, 9/12/2002], added to this segment for 2016.
				Oxygen, Dissolved		Applicable WQS attained; reason for recovery unspecified.
Spring Brook	MA83-14	4A	2	Fecal Coliform	2587	Applicable WQS attained; due to change in WQS.
Strong Water Brook	MA83-07	4A	4A	Escherichia coli	2587	New impairment, covered under existing TMDL [CN 122.0, 9/12/2002], added to this segment for 2016.
Unnamed Tributary	MA83-15	5	5	Escherichia coli	2587	New impairment, covered under existing TMDL [CN 122.0, 9/12/2002], added to this segment for 2016.
Unnamed Tributary	MA83-21	3	4A	Escherichia coli	2587	New impairment, covered under existing TMDL [CN 122.0, 9/12/2002], added to this segment for 2016.
Vine Brook	MA83-06	4A	5	Aquatic Plants (Macrophytes)		Historic impairment from former segment (MA83003) transferred to this segment. Applicable WQS attained; according to new assessment method.
				Fecal Coliform	2587	Applicable WQS attained; due to change in WQS.
South Coastal						
Bluefish River	MA94-30	5	4A	Fecal Coliform	61738	New TMDL [CN 255.0, 9/25/2014] applied for the 2016 cycle.
Cohasset Cove	MA94-32	5	4A	Fecal Coliform	61706, 61739	New TMDL [CN 255.0, 9/25/2014] applied for the 2016 cycle.
Cohasset Harbor	MA94-01	5	4A	Fecal Coliform	61708	New TMDL [CN 255.0, 9/25/2014] applied for the 2016 cycle.
Drinkwater River	MA94-21	5	5	Escherichia coli	61724	New TMDL [CN 255.0, 9/25/2014] applied for the 2016 cycle.

Appendix 3
Impairments *removed* from categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	EPA TMDL No.	Explanation
				Fecal Coliform	61724	New TMDL [CN 255.0, 9/25/2014] applied for the 2016 cycle.
Duxbury Bay	MA94-15	5	4A	Fecal Coliform	61735	New TMDL [CN 255.0, 9/25/2014] applied for the 2016 cycle.
Ellisville Harbor	MA94-34	5	4A	Fecal Coliform	61716	New TMDL [CN 255.0, 9/25/2014] applied for the 2016 cycle.
French Stream	MA94-03	5	5	Escherichia coli	61718	New TMDL [CN 255.0, 9/25/2014] applied for the 2016 cycle.
				Fecal Coliform	61718	New TMDL [CN 255.0, 9/25/2014] applied for the 2016 cycle.
Green Harbor	MA94-11	5	4A	Fecal Coliform	61731	New TMDL [CN 255.0, 9/25/2014] applied for the 2016 cycle.
Herring River	MA94-07	5	4A	Enterococcus	61727	New TMDL [CN 255.0, 9/25/2014] applied for the 2016 cycle.
				Fecal Coliform	61727	New TMDL [CN 255.0, 9/25/2014] applied for the 2016 cycle.
Iron Mine Brook	MA94-24	5	2	Fecal Coliform		Applicable WQS attained; due to change in WQS.
Jones River	MA94-14	5	4A	Fecal Coliform	61734	New TMDL [CN 255.0, 9/25/2014] applied for the 2016 cycle.
Musquashcut Pond	MA94-33	5	5	Fecal Coliform	61713	New TMDL [CN 255.0, 9/25/2014] applied for the 2016 cycle.
North River	MA94-05	5	5	Fecal Coliform	61725	New TMDL [CN 255.0, 9/25/2014] applied for the 2016 cycle.
North River	MA94-06	5	4A	Fecal Coliform	61730	New TMDL [CN 255.0, 9/25/2014] applied for the 2016 cycle.
Plymouth Harbor	MA94-16	5	5	Fecal Coliform	61737	New TMDL [CN 255.0, 9/25/2014] applied for the 2016 cycle.
Scituate Harbor	MA94-02	5	4A	Fecal Coliform	61715	New TMDL [CN 255.0, 9/25/2014] applied for the 2016 cycle.
Second Herring Brook	MA94-31	5	4A	Fecal Coliform	61721	New TMDL [CN 255.0, 9/25/2014] applied for the 2016 cycle.
South River	MA94-09	5	4A	Enterococcus	61728	New TMDL [CN 255.0, 9/25/2014] applied for the 2016 cycle.
				Fecal Coliform	61728	New TMDL [CN 255.0, 9/25/2014] applied for the 2016 cycle.
The Gulf	MA94-19	5	4A	Fecal Coliform	61710	New TMDL [CN 255.0, 9/25/2014] applied for the 2016 cycle.
Third Herring Brook	MA94-27	5	2	Fecal Coliform		Applicable WQS attained; due to change in WQS.
Wampatuck Pond	MA94168	5	5	Excess Algal Growth		Impairment changed from "Excess Algal Growth" to "Harmful Algal Bloom".
Taunton						

Appendix 3
Impairments *removed* from categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	EPA TMDL No.	Explanation
Beaver Brook	MA62-09	4A	4A	Escherichia coli	40308	New impairment, covered under existing TMDL [CN 256.0, 6/16/2011], added to this segment for 2016.
Glue Factory Pond	MA62078	--	5	Dioxin (including 2,3,7,8-TCDD)		New segment - Historic impairment from former segment (MA62-39) transferred to this segment. Original basis for listing was incorrect.
				Fecal Coliform	40308	New segment - Historic impairment from former segment (MA62-39) transferred to this segment. Applicable WQS attained; reason for recovery unspecified.
				Pentachlorophenol (PCP)		New segment - Historic impairment from former segment (MA62-39) transferred to this segment. Original basis for listing was incorrect.
Matfield River	MA62-32	5	5	Escherichia coli	40308	New impairment, covered under existing TMDL [CN 256.0, 6/16/2011], added to this segment for 2016.
Meadow Brook	MA62-38	4A	4A	Escherichia coli	40308	New impairment, covered under existing TMDL [CN 256.0, 6/16/2011], added to this segment for 2016.
Monponsett Pond, West Basin	MA62119	5	5	Excess Algal Growth		Impairment changed from "Excess Algal Growth" to "Harmful Algal Bloom".
RUMFORD RIVER	MA62-62	--	5	Dioxin (including 2,3,7,8-TCDD)		New segment - Historic impairment from former segment (MA62-39) transferred to this segment. Original basis for listing was incorrect.
				Fecal Coliform	40308	New segment - Historic impairment from former segment (MA62-39) transferred to this segment. Applicable WQS attained; due to change in WQS.
				Pentachlorophenol (PCP)		New segment - Historic impairment from former segment (MA62-39) transferred to this segment. Original basis for listing was incorrect.
RUMFORD RIVER	MA62-63	--	5	Fecal Coliform	40308	New segment - Historic impairment from former segment (MA62-39) transferred to this segment. Applicable WQS attained; due to change in WQS.
Salisbury Brook	MA62-08	5	5	Escherichia coli	40308	New impairment, covered under existing TMDL [CN 256.0, 6/16/2011], added to this segment for 2016.

Appendix 3
Impairments *removed* from categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	EPA TMDL No.	Explanation
Salisbury Plain River	MA62-05	5	5	Escherichia coli	40308	New impairment, covered under existing TMDL [CN 256.0, 6/16/2011], added to this segment for 2016.
Salisbury Plain River	MA62-06	5	5	(Debris/Floatables/Trash*)		Applicable WQS attained; reason for recovery unspecified.
				Escherichia coli	40308	New impairment, covered under existing TMDL [CN 256.0, 6/16/2011], added to this segment for 2016.
Shumatuscacant River	MA62-33	5	5	Turbidity		Historic impairment from former segment (MA62090) transferred to this segment. Applicable WQS attained; reason for recovery unspecified.
Taunton River	MA62-02	4A	4A	Enterococcus	40310	New impairment, covered under existing TMDL [CN 256.0, 6/16/2011], added to this segment for 2016.
Three Mile River	MA62-56	4A	2	Fecal Coliform	40308	Applicable WQS attained; due to change in WQS.
Trout Brook	MA62-07	5	5	Escherichia coli	40308	New impairment, covered under existing TMDL [CN 256.0, 6/16/2011], added to this segment for 2016.
				Total Suspended Solids (TSS)		Applicable WQS attained; reason for recovery unspecified.
				Turbidity		Applicable WQS attained; reason for recovery unspecified.
Wading River	MA62-47	5	5	Fecal Coliform	40307	Applicable WQS attained; due to change in WQS.
				Fecal Coliform	40307	Applicable WQS attained; due to change in WQS.
WADING RIVER	MA62-60	--	4C	Fecal Coliform	40308	New segment - Historic impairment from former segment (MA62-49) transferred to this segment. Applicable WQS attained; due to change in WQS.
WADING RIVER	MA62-61	--	2	Fecal Coliform	40308	New segment - Historic impairment from former segment (MA62-49) transferred to this segment. Applicable WQS attained; due to change in WQS.
Ten Mile						
Bungay River	MA52-06	5	5	Fecal Coliform		Applicable WQS attained; due to change in WQS.
Ten Mile River	MA52-02	5	5	Excess Algal Growth		Applicable WQS attained; reason for recovery unspecified.
				Phosphorus (Total)		Original basis for listing was incorrect.
				Turbidity		Applicable WQS attained; reason for recovery unspecified.
Ten Mile River	MA52-03	5	5	Aquatic Plants (Macrophytes)		Not caused by a pollutant, impairment still exists.

Appendix 3
Impairments *removed* from categories 4 or 5 of the integrated list in 2016
(waters listed alphabetically by major watershed)

Water Body	Segment ID	Category 2014	Category 2016	Impairment	EPA TMDL No.	Explanation
				Chlordane		Impairment changed from "Chlordane" to "Chlordane in Fish Tissue".
				Dissolved oxygen saturation		Applicable WQS attained; according to new assessment method.
Westfield						
MOOSE MEADOW BROOK	MA32-40	--	2	Fecal Coliform		New segment - Historic impairment from former segment (MA32-23) transferred to this segment. Original basis for listing was incorrect.
				Turbidity		New segment - Historic impairment from former segment (MA32-23) transferred to this segment. Original basis for listing was incorrect.
MOOSE MEADOW BROOK	MA32-41	--	5	Turbidity		New segment - Historic impairment from former segment (MA32-23) transferred to this segment. Applicable WQS attained; reason for recovery unspecified.
Westfield River	MA32-05	5	2	Aquatic Macroinvertebrate Bioassessments		Applicable WQS attained; due to restoration activities.
				Excess Algal Growth		Applicable WQS attained; reason for recovery unspecified.
				Taste and Odor		Applicable WQS attained; reason for recovery unspecified.
				Turbidity		Applicable WQS attained; reason for recovery unspecified.

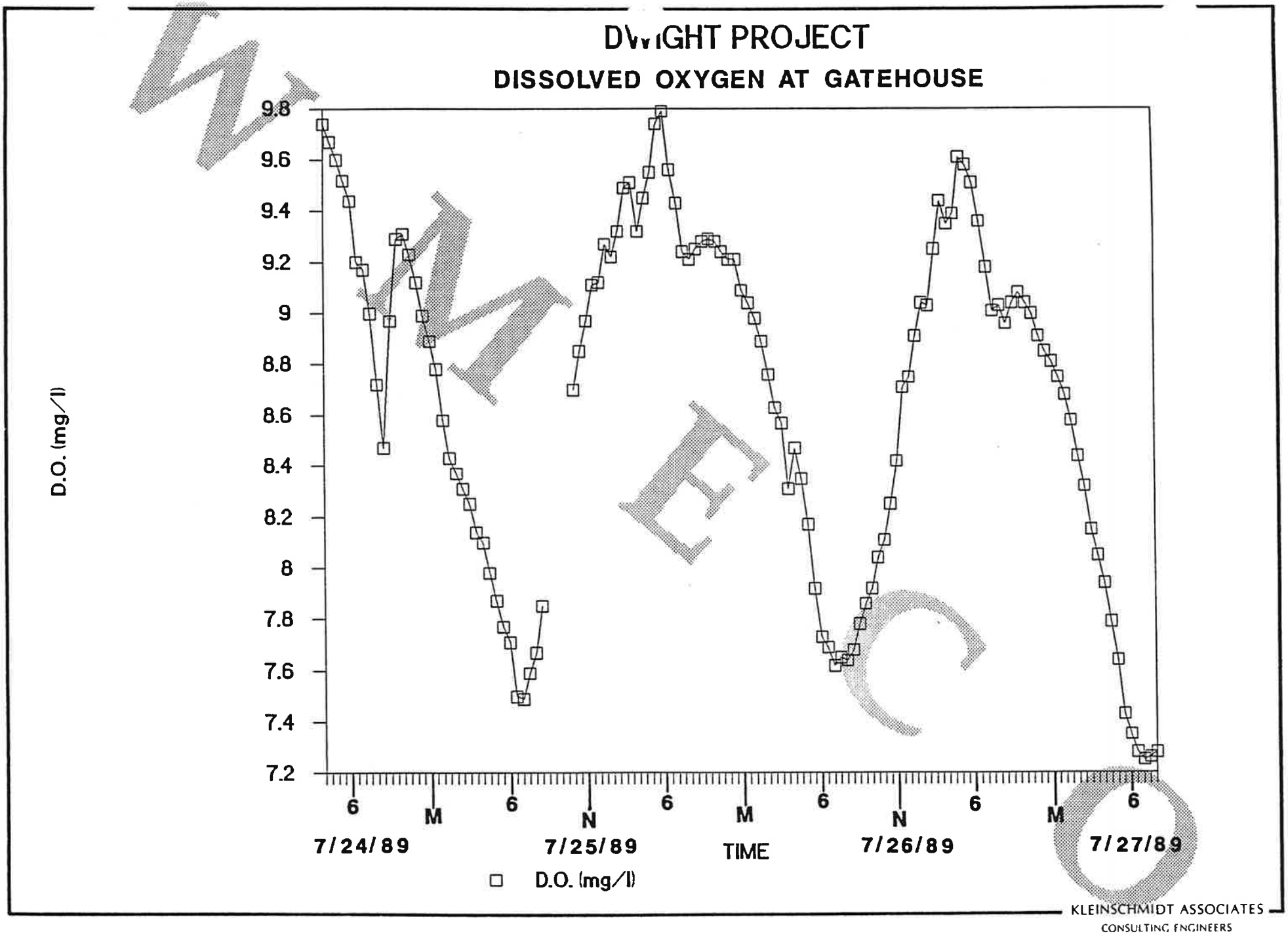

DWIGHT PROJECT
DISSOLVED OXYGEN AT GATEHOUSE
D.O. (mg/l)
9.8
9.6
9.4
9.2
9
8.8
8.6
8.4
8.2
8
7.8
7.6
7.4
7.2
6
M
6
N
6
M
6
N
6
M
6
7/24/89
7/25/89
TIME
7/26/89
7/27/89
D.O. (mg/l)
KLEINSCHMIDT ASSOCIATES
CONSULTING ENGINEERS

FIGURE E-2

EXHIBIT E

ENVIRONMENTAL REPORT

WMECO

File: 241-72-90

THE DWIGHT PROJECT
DOCKET UL88-29-000

WESTERN MASSACHUSETTS ELECTRIC COMPANY
BERLIN, CONNECTICUT

EXHIBIT E

ENVIRONMENTAL REPORT

INTRODUCTION

The Dwight Project consists of a dam, a canal headgate house, a power canal, three operating penstocks, a powerhouse with three generating units, a tailrace, and appurtenant facilities (see Exhibit A). The project is located at river mile 1.2 on the Chicopee River. The dam is approximately 1.8 miles downstream of the Chicopee Falls dam.

The Chicopee River basin is the largest contributing basin of the Connecticut River, with a total drainage area of 727 square miles. The 17-mile-long Chicopee River is formed by the confluence of the Quaboag and Ware Rivers. The Swift River flows into the Ware River approximately 1 mile upstream of the Chicopee River. Approximately 186 square miles of the Swift River's drainage area are contained in the Quabbin Reservoir, which is a major municipal water supply source in Massachusetts.

Topography of the Chicopee River basin varies from the upland plains of western Massachusetts to low rolling hills near the river's confluence with the Connecticut River. The upstream portions of the Chicopee RIver basin are rural, while the lower portions of the basin are highly developed by residences, commerce, and industry. Six hydroelectric power facilities harness the river's resources in its 17-mile course.

Terrain adjacent to the project impoundment is composed of lowlands in an urban and industrial setting. A narrow, forested buffer zone surrounds much of the project impoundment. The upstream portion of the southern impoundment bank is bordered by the floodwall of a large industrial complex, and the power canal flows through another industrial development. Downstream of the project, the river flows into an undeveloped, heavily vegetated floodplain near its confluence with the Connecticut River.

The project operates in a cycling mode with normal maximum pond fluctuations of one ft. The normal pond fluctuation may occasionally be exceeded during annual energy audits or during system emergencies. No changes in the current operating mode are being proposed at this time.

As a result of consultation with resource agencies in the course of preparing this application, WMECO proposes to discharge a continuous and reliable minimum flow of 258 cfs or inflow, if less into the bypassed reach upon completion of the proposed minimum flow facility.

WMECO investigated several alternatives for adding generating capacity to the project, both to meet the requirement for a minimum flow at the dam, and to increase capacity at the project. The proposed minimum flow turbine at the dam was the sole alternative that was economically and technically feasible.

1.0 ENVIRONMENTAL SETTING OF THE PROJECT

1.1 Vegetative Cover

In order to assess the vegetative cover in the Chicopee River region and the Dwight Project area, literature searches of pertinent documents were performed, aerial photographs and topographic maps were examined, resource agencies were contacted regarding rare and endangered species, and a field survey was conducted. The field survey covered a study area greater than the project area. A Vegetative Cover Map of the project was then prepared (see Figure E-1). A detailed report of the botanical resources in the project area is contained in Appendix B.

The Chicopee River Valley is located within the Appalachian oak forest of the Laurentian mixed forest province. Vegetative cover in this area is generally composed of tall broadleaf deciduous forest with the dominant species being white oak and northern red oak. Other components are red maple, sugar maple, yellow birch, bitternut hickory, pignut hickory, beech, tuliptree, white pine, scarlet oak, scrub oak, chinquapin oak, chestnut oak, black oak, and hemlock.

The Dwight Project contains five discrete cover types as follows: Deciduous Forest, Emergent Wetland, Shrub Wetland, Riprap, and Open Water.

Deciduous Forest covers approximately 44 percent of the study area. This cover type surrounds the entire north shore and about half the south shore of the Dwight impoundment, as well as the shore and the islands below Dwight dam. This cover type is dominated by red maple, red oak, green ash and American elm. Yellow birch, gray birch, beech, cottonwood, and silver maple are common species as well. Additionally, a few areas are dominated by Black Locust. Common shrubs are southern arrowwood, witchhazel, red elderberry, and spicebush. Common ground layer species are various ferns, wild lily-of-the-valley, various grasses, Virginia creeper, jack-in-the-pulpit, and sedges. A narrow fringe of this cover type along the shoreline of the Dwight impoundment

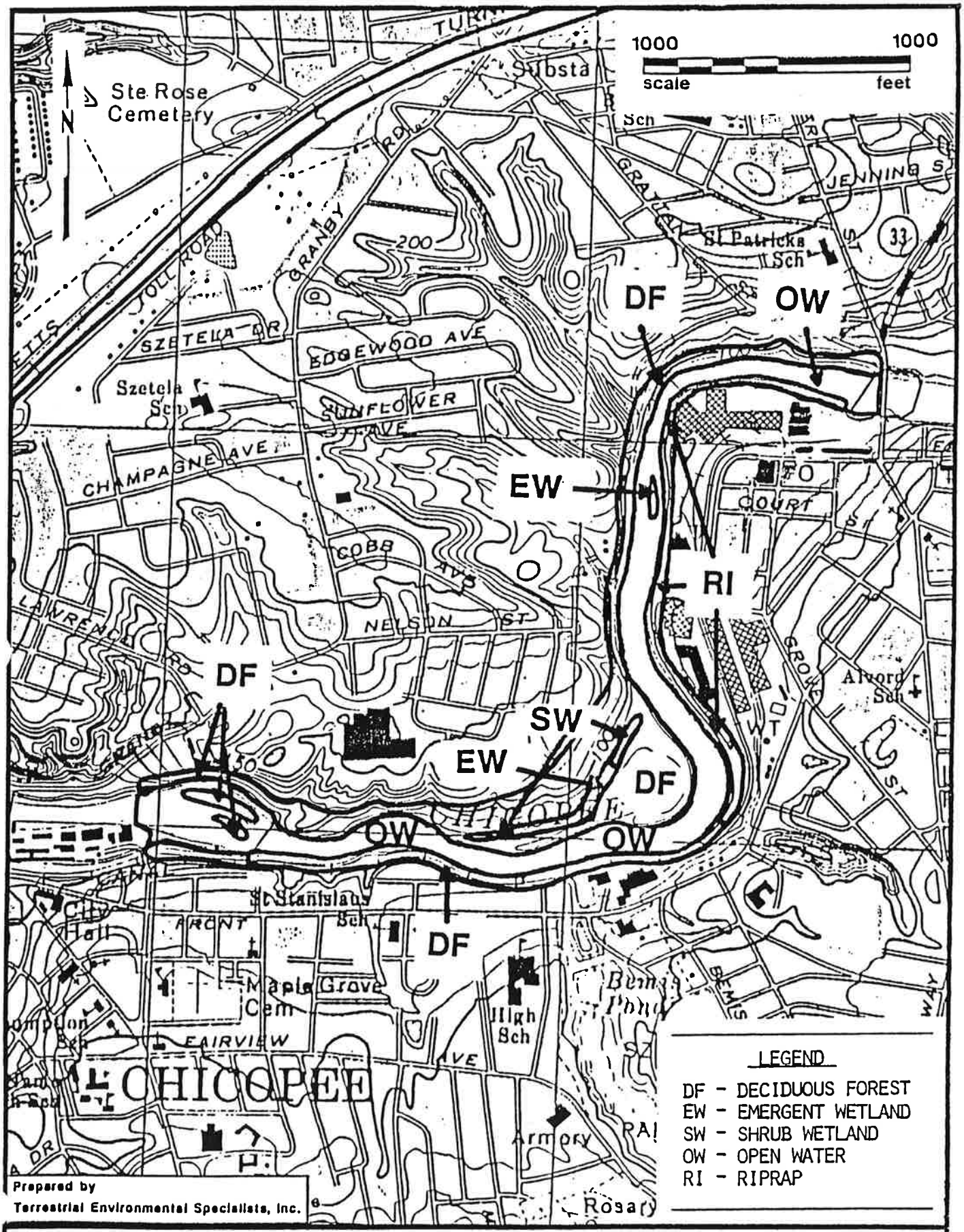


FIGURE E-1. Vegetation Cover, Dwight Hydroelectric Project.

is dominated by speckled alder and mountain laurel, with royal fern, interrupted fern, sensitive fern, skunk cabbage, jewelweed, and tall meadowrue in the lower layers.

Persistent Emergent Wetland covers about 3% of the study area, above the project dam. An island in the impoundment area contains meadowsweet and purple loosestrife. An area along the north shore also contains pickerel-weed, water-willow, arrow arum, and swamp dock.

Shrub Wetland covers approximately 1% of the study area. The shrub wetland is located along the north shore of the impoundment around the persistent emergent wetland. This area contains a dense stand of buttonbush, speckled alder, meadowsweet, and spicebush.

Riprap covers about 11% of the study area. This cover type occurs along the upstream half of the south shore of the impoundment. The riprap consists of large slabs of concrete on a sloped bank and extends below the surface of the water. There is no vegetation in this cover type.

Open Water covers 41% of the study area, and includes the project impoundment, tailrace and bypass. Aquatic vegetation in both the impoundment and below the project is sparse.

1.1.1 Endangered Threatened and Rare Species

By letters dated June 13, 1989 and June 21, 1989 respectively, the Massachusetts Natural Heritage Program and the USFWS reported that no known populations of endangered, threatened, or rare species occurred in the study area, and no evidence of any such species was found during the field survey.

1.2 Fish Resources

Fish habitat at the Dwight Project occurs in both the impoundment and the bypass channel areas of the project. A report on fish resources in the project area is contained in Appendix C. The tailrace of the Dwight Project discharges to the delta of the Chicopee River floodplain near the confluence with the Connecticut River.

Although no species distribution data exist for the Dwight impoundment, information is available from the Massachusetts Division of Fisheries and Wildlife (MDFW) describing the Red Bridge Project impoundment. This impoundment is also located on the Chicopee River, approximately 14 river miles upstream of the Dwight impoundment. A 1982 MDFW report indicates that the Red Bridge impoundment "for all practical purposes is warmwater (fish) habitat". In the case of the Dwight impoundment, this observation is also true, and is supported by impoundment mapping (see Appendix C, Figure 2) and water quality sampling (see Section 1.4.1) conducted by WMECO during July, 1989. The impoundment was found to be riverine and relatively shallow, with a predominantly sand/sediment substrate. The precise upstream boundary of the impoundment varies, depending on pond elevation and river stage, but is located slightly downstream from a hydraulic control formed by a pipeline crossing located in the southerly flowing river segment located upstream of the project in the Chicopee Falls area. The shoreline is vegetated primarily with hardwood and riparian species (see Section 1.1), which also provide cover for warmwater fish species such as largemouth bass, sunfish, and chain pickerel.

According to a June 23, 1981 survey of the Red Bridge impoundment conducted by the MDFW, the following fish species were observed, in declining order of abundance: yellow perch, white perch, pumpkinseed, white sucker, bluegill, golden shiner, fallfish, largemouth bass, yellow bullhead, chain pickerel, black crappie, and brown bullhead. These are species that would likewise be expected to be established in the Dwight impoundment. Since the 1981 survey, the MDFW has also introduced tiger muskie and northern pike to the Red Bridge impoundment; reports from anglers indicate that some of the pike and muskies have escaped the impoundment, and have been harvested

elsewhere in the watershed. It is therefore possible that these species now exist in the Dwight impoundment. A 1989 publication of the MDFW entitled "Best Bets for Bass" lists the Chicopee River as a largemouth bass fishery. The 1973 MDFW Performance Report also reports goldfish, carp, spottail shiner, and tesselated darter from this portion of the river basin. This same report characterizes this reach of the Chicopee in the project area as not suited to fishery management, containing ledge substrate and brown water color; the river segment above the project is described in the same report as polluted, with a sand and gravel bottom, and brown water color.

Although streams such as the Swift, Quaboag, and Ware Rivers, located upstream of the project in the headwater tributaries of the basin, are stocked seasonally with trout, there is no evidence of a coldwater fishery in the project area, and summer water temperatures (Section 1.4.1) appear to exceed the upper thermal limits for coldwater fish.

The riverine bypassed channel of the Dwight Project has the following characteristics: an extensive network of split channels with flat ledge substrate, extending from a pool at the base of the project spillway downstream a distance of approximately 500 ft; a wide, shallow run from the confluence of the split channels to a ledge falls at the site of an old dam, with cobble, rock and ledge substrate (see Appendix C); and two pools, including a pool the width of the dam at the base of the spillway, and a pool of moderate depth extending downstream from the ledge falls to the Route 116 bridge crossing, where another short ledge fall exists. Below the bridge, the tailrace enters the river in the delta area formed by the confluence of the Chicopee and Connecticut Rivers.

There are no existing anadromous fish runs involving the project waters. American shad presently ascend the Chicopee River to the Dwight Dam. "The Chicopee River is not a component of the Connecticut River Anadromous Fish Restoration Program because of limited habitat for Atlantic salmon and American shad" (USFWS letter, April 20, 1989).

1.2.1 Endangered, Threatened, and Rare Species

The shortnose sturgeon, the only federally listed endangered fish species in New England, is not known to exist in or near the project waters. There are no state-listed rare or endangered fish species or species of special consideration that are known to occur in or near the project waters (MDFW, personal communication).

1.3 Wildlife Resources

Wildlife resources in the Dwight Project area were determined from literature searches of pertinent documents, consultation with resource agencies, and from a field survey conducted to locate indications of wildlife. The field survey included a study area larger than the project area. Wildlife resources within the study area include amphibians, reptiles, birds and mammals. For a detailed description of the wildlife resources in the project area, see Appendix B.

Amphibian and reptile habitat consists of the narrow zone of deciduous forest along the banks and the small emergent wetland along the north bank. The only amphibian observed in the study area was the bullfrog. The only reptile observed in the study area was the eastern garter snake. Amphibian and reptile species are probably limited to those that can occupy narrow habitat banks adjacent to the industrial and residential areas.

Habitat for waterfowl, wading birds, and shore birds is limited due to steep rocky banks in most areas. The major habitat for birds in the study area is the narrow strip of deciduous forest, due to the developed nature of the rest of the study area and the surrounding areas. A total of 45 bird species were observed during the field survey, including species such as the northern flicker, eastern wood-peewee, eastern phoebe, blue jay, American crow, wood thrush, red-eyed vireo, northern cardinal, and northern oriole.

Habitat for mammals is also limited by the narrow strip of deciduous forest, and by the steep rocky shoreline. It is expected that wildlife such as white-tailed deer use the forest area as a corridor and many smaller species such as gray squirrels and raccoons probably use the deciduous forest for nesting and denning, and the adjacent developed areas for feeding.

1.3.1 Endangered, Threatened, and Rare Species

By letters dated June 13, 1989 and June 21, 1989 respectively, the Massachusetts Natural Heritage Program and the USFWS reported that no known populations of endangered, threatened, or rare species occurred in the study area, and no evidence of any such species was found during the field survey.

1.4 Water Quality and Quantity

1.4.1 Existing Water Quality

Existing water quality at the Dwight Project is classified by the Massachusetts Department of Environmental Quality Engineering (MDEQE) as Class "B", warmwater fishery. To meet this classification, the water must have a minimum of 5.0 mg/l D.O., temperature must be less than 83°F, pH must be between 6.5 and 8.0 standard units, and fecal coliform bacteria counts must not be more than 200 per 100 ml sample. Other general regulations govern levels of oil and grease, radioactive substances, color, odor, foam, turbidity, floating or suspended solids, nutrients, and aesthetics (314 CMR 4.03 (1988)).

According to the State of Massachusetts 1988 Section 305(b) report, the river is generally meeting these water quality standards. The only impediment to full support of the standards is from fecal coliform bacteria caused by surface runoff after storm events.

Water quality has improved since 1980, apparently as a result of the completion of a secondary wastewater treatment plant in Palmer, and the elimination of individual discharges in both Palmer and Monson. High-strength industrial wastes, previously discharged to the Chicopee, are now discharged to the Connecticut River via the Springfield Regional Wastewater Treatment Facility at Bondi Island (West Springfield, MA).

Existing water quality data, and current data has been studied. A water quality report detailing the data and the collection methods is contained in Appendix D.

Existing data consist of several water quality data reports published by MDEQE. The most recent were published in 1980 and 1985. Only these two recent reports were considered to have current data. Earlier reports contained data before some wastewater treatment plants were operational. The 1985 report only included sampling stations upstream of the project. The 1980 report contained data from several additional sample locations in the Chicopee basin. Sampling stations were located above the Chicopee Falls dam and below Dwight dam, and no stations were sampled between these two. Two dams separate the stations; therefore, results cannot be directly correlated to impacts from either project.

In 1980, data from these stations were collected for dissolved oxygen (D.O.), temperature, long-term and 5-day BOD, nitrogen and phosphorus, suspended and total solids, and pH. Algae (as Chlorophyll "a") and bacteria were also sampled. Individual data were collected for two periods: July 14-17, and August 18-21.

The results of the MDEQE investigations indicated water quality to be generally acceptable and meeting the Class "B" standards at both stations, with the only exception that bacteria levels exceeded the standard.

The average daily D.O. measured was generally in the upper 80% to low 90% saturation range. Since most these data were collected during the critical summer warm weather period, river water temperatures were in the low to mid-70°F range. BOD_5 values ranged from 2.1 to 5.1 mg/l at the station below Dwight. No changes in BOD were reported between the two stations.

Total and suspended solids tended to be about the same at both stations. Turbidity, measured in 1980, was about two Nephelometric Turbidity Units (NTU) below the Dwight Project.

Nitrogens (total Kjeldahl, Ammonia and Nitrate) showed no distinct pattern of change when passing from the Chicopee Falls impoundment to below the Dwight dam. Hardness and pH data displayed this same lack of pattern.

Bacteria data tended to be much higher at the station below the Dwight dam than at the Chicopee Falls impoundment station. This may be a result of an unlicensed discharge or combined sewer overflow, but was not explained by MDEQE in their data reports.

Chlorophyll "a" was measured at a station below the Dwight Project, just above the confluence with the Connecticut River, on August 19, 1980. The measurement there was 6.23 mg/m^3. This is not unusual for a river downstream of six dams.

Little water quality data, since the 1980 data described above, existed. As a result, it was necessary to conduct sampling at the project. Sampling provided current data to update and verify any changes since the 1980 data was collected.

From July 24 to 27, 1989, D.O. and temperature were sampled at the Dwight Project. These were measured immediately upstream of the gatehouse, from the bridge in the power canal, from another bridge location in the bypass, and below the river and bypass confluence. During the sampling period, there was always some flow passing over the dam and into the bypass.

Sampling of the impoundment was done with a Hydrolab recording D.O., temperature, and conductivity. Data recorded by the Hydrolab unit are shown graphically in Figure E-2 and are attached to the water quality report in Appendix D. Average D.O. was 8.7 mg/l at an average temperature of 24.6°C.

Based on this, average saturation would be 104.3%. During the sampling period, the temperatures measured by the probe ranged from 22.4°C to 27.8°C. Conductivity was almost constant at 0.13 mmhos/cm.

Sampling downstream of the impoundment consisted of discrete samples taken manually with a portable D.O./temperature meter. In the power canal, the D.O. samples measured approximately 0.6 mg/l lower than the D.O. measured by the Hydrolab unit upstream. These data demonstrate that there is little reaeration of water passing through the gates and the beginning of the canal. The fact that the measurements maintain this trend also verifies those of the Hydrolab unit.

Surface samples were taken from the bridge over the bypass. The results were very constant and averaged about 8.8 mg/l D.O. Temperature, however, ranged from 24°C to 28°C, causing the saturation value to range from 112.4% to 104.5%. Data from this manual sampling is also included in Appendix D.

All data collected in July, 1989 far exceeded the requirements of the Class B standards.

1.4.2 Existing Water Quantity

The average annual flow at the Dwight Project is approximately 946 cfs. At USGS Gage No. 01177000, located about 6 miles upstream, the maximum recorded flow was 45,200 cfs on September 21, 1938, the minimum flow was 16 cfs, recorded on several dates in 1929-31, and the average flow is 914 cfs. Further description of the flow regime is contained in Exhibit A, Section 5.0.

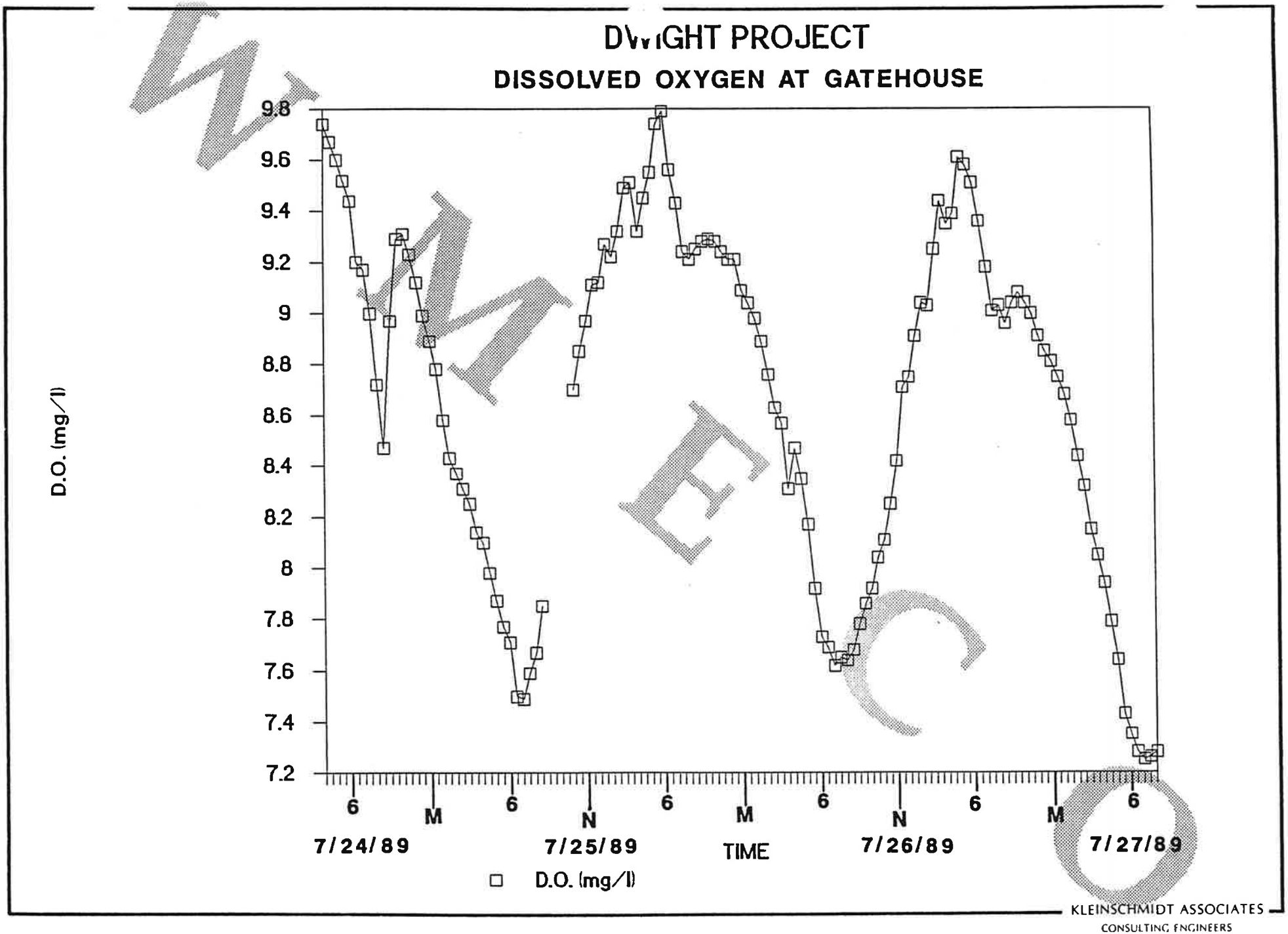

DWIGHT PROJECT
DISSOLVED OXYGEN AT GATEHOUSE
D.O. (mg/l)
9.8
9.6
9.4
9.2
9
8.8
8.6
8.4
8.2
8
7.8
7.6
7.4
7.2
6
M
6
N
6
M
6
N
6
M
6
7/24/89
7/25/89
TIME
7/26/89
7/27/89
D.O. (mg/l)
KLEINSCHMIDT ASSOCIATES
CONSULTING ENGINEERS

FIGURE E-2

1.5 Land and Water Uses

1.5.1 Land Uses

The area surrounding the Dwight Project is predominantly industrial and urban, with some suburban residences in the vicinity. Photographs of the project area can be found in Appendix G.

The dominant land use immediately around the impoundment is industrial, although there is a narrow buffer strip of trees encircling the impoundment. The industrial development along the south shore of the impoundment is intense. Along the north shore, there is industrial, commercial, and suburban development.

1.5.2 Water Uses

The primary uses of the waters of the Chicopee River are for hydroelectric generation, receiving waters for industrial and municipal discharges, and limited recreation. In the 17 miles between the river's confluence with the Connecticut River and its headwaters at the confluence of the Ware and Quaboag Rivers, there are six hydroelectric generating facilities. Numerous intake and discharge points exist above the Dwight Project as the river flows through the populated areas of Chicopee and Springfield, Massachusetts. Recreational use of the Chicopee River is described in Section 1.6.

1.6 Recreational Uses

The Dwight Project is located in an urban and industrial section of western Massachusetts. Recreational activities in the project area are limited to fishing and walking. Land ownership by WMECO is limited to the area immediately adjacent to the project facilities. Water contact recreation is limited by the water quality at the project. Fecal coliform counts are occasionally excessive because of combined sewage overflows and surface runoff upstream of the project (see Section 1.4).

Numerous informal footpaths over the property of others lead to fishing locations below the dam and in the impoundment. Additionally, an old railroad bed that is used by walkers parallels the south shore of the impoundment (see Figure E-3). There is currently no boating access to the impoundment, primarily because the impoundment is too small and shallow to encourage such activity.

The Chicopee River Enhancement Plan (see Appendix H) notes that, "great potential exists for a long-distance river trail along the north bank from the Ludlow line to the Connecticut River." See Section 2.6 for a discussion of WMECO's proposals regarding recreation.

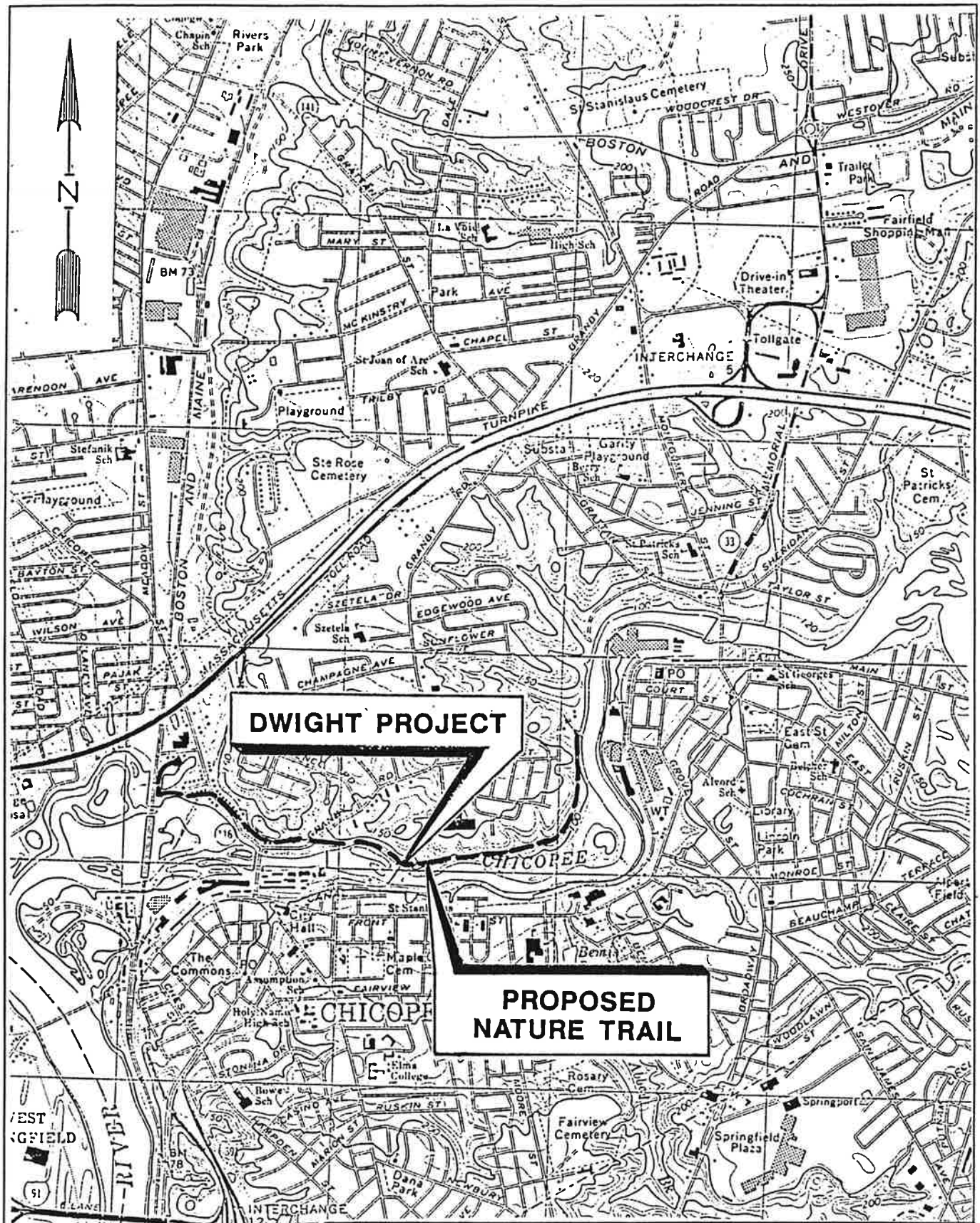
1.6.1 National Wild and Scenic Rivers and Wilderness Designations

No portions of the project area or areas affected by the project have been identified or included in the National Wild and Scenic Rivers in the Nationwide Rivers Inventory.

There are no areas along the project that have been identified under provisions of the Wilderness Act.

1.7 Historical and Archaeological Resources

The present waterpower facilities at the Dwight Project began to take shape in 1856, when Dwight Manufacturing Company, a textile producer, consolidated several earlier developed water privileges. Dwight constructed the masonry dam and brick-pier, gable-roofed powerhouse, and established the



DWIGHT PROJECT

WESTERN MASSACHUSETTS ELECTRIC COMPANY

MAP OF RECREATIONAL RESOURCES

FIGURE E-3

KLEINSCHMIDT ASSOCIATES
CONSULTING ENGINEERS

headrace canal in its present location. The canal, some 3,000 ft long, supplied not only the extensive Dwight mill complex, but several manufacturers located along the canal between the dam and Dwight.

In 1900, the existing power canal supplied water to ten turbines for hydromechanical power production. Two of the turbines were in the A.G. Spalding Brothers Manufacturing Company, and eight were in the Dwight Manufacturing Company complex. The waterwheels in the Dwight Mill Building No. 1 were replaced in 1911 with three 900 KW horizontal units. In 1920, the existing Dwight powerhouse was constructed. Three 480 KW vertical turbine/ generator units replaced the waterwheels in Dwight Mill Building No. 2.

In 1932, the development was purchased by the Quinnetuk Company and was operated by the Turners Falls Power and Electric Company, predecessor of WMECO. The development consisted of the existing powerhouse and one of the 900 KW units located in the No. 1 mill building. The 900 KW unit was dismantled in 1964, and the penstock was plugged. The existing powerhouse was closed down in 1973 until it was rehabilitated in 1980, when the three units were returned to service.

An archaeological survey of the site area consisted of a brief background survey to determine if any previously reported prehistoric sites are known in the area and a walkover survey and visual examination of the impact area. While no prehistoric sites are reported within or immediately adjacent to the project area, several have been recorded along the Chicopee River, including the Bircham Bend Site near Interchange 6 of I-90 and the Indian Crossing Site at the confluence of the Chicopee and Connecticut Rivers.

A visual examination of the project area indicated that the project area had been extensively disturbed by construction activities associated with the construction of and the operation of the Dwight facility. Although the impact area has no potential for yielding intact prehistoric sites, the surrounding area is considered to have a high potential for yielding intact prehistoric archaeological sites, based on the topography of the area and its proximity to the Chicopee River.

1.7.1 National Register Sites

The Ames Manufacturing Company, a part of the Dwight Manufacturing Complex, has been nominated in the National Register of Historic Places. There are no other structures or sites in the immediate project vicinity that are currently listed or eligible for listing in the National Register of Historic Places.

There are presently a number of registered sites in Hampden and Hampshire Counties. None of these sites are in the immediate vicinity of the Dwight Project, nor will any sites be affected by the project.

Appendix F contains the appropriate historical sites survey forms of the Massachusetts Historical Commission. These forms more fully describe the features and significance of the Dwight Project.

1.8 Scenic and Aesthetic Resources

The Chicopee River Valley is located in western Massachusetts. The headwaters to the Chicopee River are located in the rural upland plains to the east, while the downstream portion of the river flows into the highly developed and densely populated Connecticut River Valley. The downstream portion of the river was heavily industrialized during the late 19th and early 20th centuries, as shown by the predominance of power canals that are directed through industrial complexes. As such, the natural scenic and aesthetic resources of the river basin are concentrated toward the east. The Chicopee River in the vicinity of the City of Chicopee (near the confluence with the Connecticut River) provides diverse urban and industrial scenic resources.

The City of Chicopee, Massachusetts provides a diverse cityscape dominated by large industrial complexes, constructed in the mid- to late-1800s. Much of the industrial architecture of the area exhibits the masonry construction (particularly brownstone) that was popular during that era. The urban residential areas adjacent to the industrial complexes include typical mill housing that was frequently provided for employees, near the center of town. Residential development on the outskirts of town includes large houses

with sculptured lawns and ornamental trees. This residential development, and the small parks and city places interspersed throughout the city, complement the intense industrial development of the city center and provide the diverse scenic resources of the area.

The Dwight Project is located on the Chicopee River in the City of Chicopee. As noted above, this area is heavily industrialized. The Dwight power canal passes through an industrial complex that contains the powerhouse. A concrete floodwall extends along much of the south shore of the impoundment. However, there is a narrow strip of deciduous forest around much of the impoundment shoreline and virtually all of the bypass shoreline. This strip acts as a buffer zone between the project and the surrounding industrialization.

Photographs of the project area are contained in Appendix G.

W M E C O

2.0 PROJECT IMPACTS, AGENCY RECOMMENDATIONS, AND MEASURES PROPOSED BY THE APPLICANT

In compliance with §4.38(b)(1) of the Federal Energy Regulatory Commission's regulations, WMECO provided agencies with a document entitled Combined Initial Consultation Document on February 21, 1989. A copy of this document and all agency responses to it are included in Appendix A.

The following section discusses (for each resource category discussed in the sub-sections of Section 1.0 of this Exhibit) the anticipated impacts associated with the operation of the Dwight Project, the specific agency recommendations for studies or other measures, and WMECO's proposals in response to agency recommendations.

2.1 Vegetative Cover

2.1.1 Continuing and Incremental Impacts

The headpond of the Dwight Project will continue to experience a maximum daily fluctuation of one ft, except during periods of high flows. No adverse impacts to the botanical resources of the Dwight Project are expected to occur as a result of the continued operation of the project or as a result of the proposed modifications to the project.

2.1.2 Recommendations by Agencies

No recommendations by resource agencies were made during Initial Stage Consultation regarding the botanical resources of the project.

2.1.3 Measures Proposed by Applicant

Since no adverse impacts to botanical resources are expected to result from the project, no measures regarding these resources are proposed.

2.2 Fish Resources

Based on recommendations by resource agencies concerning the Dwight Project (see Section 2.2.2), WMECO evaluated the continuing and incremental impacts of instream flows, peak flow releases, and impoundment fluctuations on fish resources, and the impact of project operation on water quality as it relates to fishery management. WMECO submitted study plans for evaluating these potential impacts to USFWS and MDFW on June 5, 1989 (see Appendix A). The USFWS and MDFW approved the study plans in letters dated June 16 and June 14, 1989, respectively (see Appendix A). Whenever possible, resource agency personnel involved with review responsibilities participated in site visits and study activities.

2.2.1 Continuing and Incremental Impacts

At the recommendation of USFWS and MDFW, continuous minimum flow releases into the bypass and below the project were considered by WMECO for the protection of aquatic habitat; both agencies deemed the historic practice of diverting all river flow (up to maximum turbine capacity) through the powerhouse and stopping all flows during ponding as having a negative impact on fishery potential.

The potential impact of differing instream flows on fish resources in the bypass and below the project was evaluated, using methods that were consistent with methods established by the USFWS Aquatic Base Flow (ABF) policy. WMECO estimated the ABF flow at the Dwight Project, based on historic flow records, that would be sufficient to protect aquatic habitat and prevent adverse impacts (see Appendix C). The ABF flow at the Dwight Project is 258 cfs.

The potential impact of upramping on fish resources was evaluated by determining whether riverine reaches downstream of the project would be adversely affected by changes in flow as the turbines are cycled on and off. Details concerning the methods and results of the ramping studies are contained in Appendix C. Potential upramping impacts at the Dwight Project are limited by the backwater influence of the Connecticut River,

which backwaters to the project tailrace, abating the effects of flow increases. Therefore (as shown in Appendix C), upramping at the project has no impact on fish resources.

The potential impacts of impoundment fluctuations were evaluated by first performing a survey of the project to locate potential fish spawning habitat in the littoral zone. The level of impact was evaluated based on the amount of potential spawning habitat that might be exposed during normal operation of the project. The adverse impact at the Dwight Project is limited to one very small section of potential habitat, and is therefore not significant.

The potential effects of project operation on water quality as it relates to fishery management were evaluated in conjunction with other water quality studies at the project. Water quality parameters upstream and downstream of the project were measured to determine the impact of the project on water quality. Operation of the project does not have a significant adverse impact on water quality as it relates to fish resources (see Appendix C). The proposed modification of the project is expected to enhance water quality in the bypass by providing additional flow, increasing dissolved oxygen (D.O.), and decreasing temperature fluctuations in the bypassed reach (see Section 2.4.1 and Appendix D).

2.2.2 Recommendations by Agencies

The USFWS and MDFW both responded to WMECO's Initial Stage Consultation document with letters dated April 20, 1989 (see Appendix A). Both agencies recommended that WMECO evaluate the potential impacts of instream flows, peak flow releases, and impoundment fluctuations on fish resources, and the impact of project operation on water quality as it relates to fishery management. Additionally, they recommended that WMECO should plan to provide fish passage facilities at a time when such facilities are required.

MDFW also requested information concerning flow velocities at the trashracks. A number of other federal, state, and local resource agencies also recommended increasing minimum flows below the dam to enhance fishery resources, and evaluating the need for constructing fish passage facilities at the project.

2.2.3 Measures Proposed by the Applicant

Based on the ABF that is sufficient to protect aquatic habitat at the project (258 cfs), WMECO proposes to continuously provide the lesser of the ABF or inflow to the project at the base of the dam and downstream of the project. The flow will be discharged through a minimum flow turbine (see Exhibit G, Sheet 9).

WMECO proposes no measures concerning peak flows, because no significant impacts regarding upramping are expected.

WMECO proposes no measures regarding pond fluctuations at the Dwight Project, because the habitat that may be affected by the drawdown is limited, and additional habitat exists nearby that is not affected by project operation (see Appendix E).

WMECO proposes no additional measures regarding water quality, because no significant adverse impacts are expected to result from project operation.

The Chicopee River is not currently scheduled for the restoration of Atlantic salmon, American shad, or other anadromous fish species, because of limited available habitat for these species (see USFWS and MDFW letters dated April 20, 1989 in Appendix A). WMECO proposes to consult with appropriate resource agencies regarding fish passage facilities at such time as specific management data and schedules are developed that directly affect the project. No further measures regarding fish passage facilities are proposed at this time.

The trashracks at the project are located at the intake structure. The flow velocity at the trashracks is estimated to be a maximum of 1.17 fps when all units are operating. WMECO proposes no specific measures regarding this information, because the flow estimates indicate moderate velocities that would frequently be encountered under normal stream conditions.

2.3 Wildlife Resources

2.3.1 Continuing and Incremental Impacts

No adverse impacts to the wildlife resources of the Dwight Project are expected to occur as a result of the continued operation of the project or as a result of the proposed modifications to the project. The potential impacts of impoundment fluctuations on wildlife were evaluated in response to agency recommendations. Impoundment fluctuations were found to have insignificant adverse impact on wildlife because water level fluctuations at the project expose only narrow bands of shoreline and no critical wildlife habitat (see Appendix E).

2.3.2 Recommendations by Agencies

In response to WMECO's Initial Stage Consultation document, the USFWS by letter dated April 20, 1989, and the MDFW by letter dated April 20, 1989, recommended that WMECO evaluate the impacts of impoundment fluctuations on the fish and wildlife resources of the project. Both agencies reviewed study plans that were developed to address the potential impacts and were submitted on June 5, 1989. The study plans were approved by USFWS on June 16, 1989, and by MDFW on June 14, 1989. A discussion of the impacts to fish is contained in Section 2.2.

2.3.3 Measures Proposed by Applicant

Since no significant adverse impacts to wildlife resources are expected to result from the project, no measures regarding these resources are proposed.

2.4 Water Quality and Quantity

2.4.1 Continuing and Incremental Impacts

2.4.1.1 Impact of Continued Operation

Operational records were correlated with the D.O. measurements obtained by continuously recording D.O./temperature/ conductivity units (see Appendix D). During non-operating (ponding) periods, D.O. measured at the gatehouse averaged 8.85 mg/l, while average D.O. during project operation was 8.63 mg/l. Average temperature differed less than 0.2°C. This slight difference in D.O. levels and the insignificant change in temperatures due to project operation indicate that continued operation of the project in the current operating mode has no significant impact on water quality.

There will be no change in water quantity as a result of continued project operation.

2.4.1.2 Incremental Impacts

The only new development proposed at the Dwight Project is installation of a minimum flow turbine to provide a continuous flow into the bypassed reach. The flow proposed for this turbine is 258 cfs. Since water quality in the impoundment exceeds the minimum water quality criteria, the minimum flow release is expected to maintain water quality standards in the bypassed reach.

The bypassed reach is currently a series of riffles that receive flow over the dam most of the year. The proposed minimum flow turbine will increase inflow to these riffles.

Water passing through a turbine is not aerated when going through the turbine. Once through the proposed minimum flow turbine and into the bypass, however, shallow flow over rock and boulders as the water flows downstream would change oxygen levels. Supersaturated water from the impoundment would lose oxygen, and oxygen deficient waters would gain oxygen, bringing D.O. levels closer to their natural saturation level. This will slightly reduce the magnitude of any diurnal fluctuations in the bypass and downstream reaches. At Dwight, however, this change will not significantly change D.O., which was measured within 10% to 15% of saturation at most times (see Section 1.4.1).

Temperature fluctuations will probably increase slightly in the bypassed reach because of increased contact with ambient air temperature, and resulting water temperatures will be closer to ambient air temperature than they are now. In the power canal, there is less opportunity for this contact with the atmosphere. This will not significantly affect overall river temperature, however.

There should be no significant changes in other water quality constituents as a result of maintaining a minimum flow in the bypassed reach.

Based on monitoring and study of water quality concerns, it is not expected that the Class B, warmwater fishery water quality standards will be violated by continued project operation. The bacteria levels, cited by MDEQE as being the cause for only partial support of the standards, are not affected by the project. No significant adverse impact to water quality will result from the proposed changes to the project.

The only change in water quantity will be the addition of 258 cfs into the bypassed reach. No change to total water quantity will occur.

2.4.2 Agency Recommendations

Federal, state, and local resource agencies have recommended a minimum flow in the bypass that will maintain water quality sufficiently to protect fish and other aquatic biota. For the Dwight Project, this was calculated to be 258 cfs. This flow was viewed by agencies at a site visit on August 2, 1989, and was approved in letters from USFWS and MDFW dated August 8, and August 10, 1989, respectively.

Nutrient sampling was requested in an April 20, 1989 letter from the USFWS. However, preliminary review of the 1980 MDEQE data showed that ample data already exist. Therefore, USFWS agreed that nutrient sampling would not be necessary, because there had been no significant change in nutrient loading to the river that would cause a significant change from the existing 1980 data (See Appendix A). Nutrient levels showed no consistent change passing from above to below the project.

2.4.3 Measures Proposed by the Applicant

WMECO proposes no additional water quality measures beyond discharging a minimum flow release into the bypassed reach, since operation of the existing project and the proposed modification of the project are expected to have no adverse impact on water quality.

WMECO

2.5 Land and Water Uses

2.5.1 Continuing and Incremental Impacts

The existing land and water uses described in Section 1.5 will not be adversely affected by the project.

2.5.2 Recommendations by Agencies

With the exception of recreational uses (see Section 2.6), no recommendations regarding land or water uses were made by any consulting agencies during the Initial Stage of Consultation.

2.5.3 Measures Proposed by the Applicant

WMECO proposes no measures concerning land or water uses at this time, since no adverse impacts to these uses are expected to result from the project.

2.6 Recreational Uses

2.6.1 Continuing and Incremental Impacts

The continued operation of the Dwight Project will have no adverse effect on recreation. The proposed operation of the project is expected to enhance recreation at the project, because a 258 cfs minimum flow release will be discharged into the bypass. This flow release will increase fish habitat below the dam and should improve the existing fishery and aesthetics. Additionally, the measures proposed below will enhance recreational opportunities at the project.

2.6.2 Recommendations by Agencies

The USFWS in a letter dated April 20, 1989, and the MDFW in a letter dated April 20, 1989, recommended that WMECO evaluate the adequacy of existing recreational access given the project's proximity to an urban environment. The USFWS also stated that an additional recreational opportunities may be required, based on the outcome of instream flow and reservoir studies.

The Massachusetts Riverways Programs (MRP) responded on May 12, 1989 and June 23, 1989 with general comments regarding resource protection, recreational access, and aesthetics. MRP also commented that they support more specific recommendations made by other resource agencies. MRP specifically requested that WMECO address recommendations made on March 15, 1989 by the Chicopee Office of Community Development requesting WMECO to address the issues of conservation easements for foot and boat access to the project area. WMECO notes that these parcels are presently open to public use. Finally, the Chicopee River Enhancement Plan notes that an opportunity for a trail along the northerly shore of the Chicopee River exists (see Appedix H).

2.6.3 Measures Proposed by Applicant

WMECO does not own any land bordering the project impoundment, although WMECO does own flowage rights to all lands necessary to operate the project. WMECO's ability to propose measures for recreational enhancement at the project is therefore limited.

Although WMECO owns no land that can be dedicated to the nature trail, they propose to use their experience and resources to assist the City of Chicopee toward development of the riverside nature trail along the river below Dwight dam and on the north shore of the impoundment (see Figure E-3). WMECO proposes to provide expertise in the details of constructing the trail and to work with the City of Chicopee in procuring a conservation easement along the proposed riverside nature trail. WMECO realizes that this effort requires the cooperation of other land owners. However, WMECO believes that this cooperative effort is the most effective concept to realize a portion of the trail system in the vicinity of the project suggested in the Chicopee River Enhancement Plan.

As discussed in Section 2.6.1, the increased flow in the bypass may improve the existing fishery, as well as aesthetics. As noted in Section 1.6, an informal network of footpaths already leads to the bypass. WMECO proposes no additional recreational facilities.

2.7 Historical and Archaeological Resources

2.7.1 Continuing and Incremental Impacts

The proposed new minimum flow facility will have a limited structural impact on the angled canal wall between the headgate house and the canal spillway, where the wall will be altered to allow flow from the canal into the new powerhouse. Some visual impact will also result from the new powerhouse, although the site is not visible from any public rights-of-way. The new powerhouse will be consistent with the original waterpower purpose of the site.

Based on a site survey by the project archaeologist, there are no indications that construction activities associated with the proposed new facility will have any effect on archaeological resources that may be present in the project area. The immediate area is highly disturbed by earlier construction activity.

2.7.2 Recommendations by Agencies

During the Initial Stage of Consultation, WMECO provided the Massachusetts Historical Commission (MHC) (acting as the Massachusetts State Historic Preservation Officer) with a description of the project, noting its operation and history. At the time, WMECO did not propose any new construction or operational changes. The MHC responded that WMECO's proposal to license the project without any changes would not affect significant cultural, historical, or archaeological resources.

During Phase II studies, and in response to recommendations of fishery agencies, WMECO gave consideration to the installation of a small turbine at the dam to discharge a continuous minimum flow into the bypassed segment of the river. WMECO immediately contacted the MHC by telephone to discuss the need for studies to address potential impacts resulting from installation of a new turbine. MHC staff requested that WMECO conduct a survey of the project sufficient to permit an assessment of its eligibility for inclusion in the National Register of Historic Places; based on the project's eligibility, an assessment of the impacts of the proposed turbine on historical and archaeological resources would be needed, together with mitigative proposals, if necessary, to minimize or eliminate impacts.

2.7.3 Survey and Salvage Measures Proposed by the Applicant

WMECO proposes to consult with the MHC regarding appropriate mitigation measures to minimize the impacts associated with the proposed new powerhouse. WMECO anticipates that site documentation to standards of the Historic American Building Survey will be appropriate. Additionally, WMECO proposes to consult with the MHC regarding design details that should be employed to make the new powerhouse compatible with the characteristics of the Dwight Manufacturing Company complex. Additionally, WMECO will consult with the MHC to institute measures to be used during construction activities so that previously unidentified resources are adequately protected.

2.8 Scenic and Aesthetic Resources

2.8.1 Continuing and Incremental Impacts

Since no major development of the project is proposed, no adverse impacts to scenic and aesthetic resources are expected to occur. The addition of a continuous minimum flow in the bypass, which is visible from a number of points, will have a positive effect on scenic resources.

2.8.2 Recommendations by Agencies

Federal, state, and local resource agencies recommended that WMECO provide increased flow discharges into the bypassed reach to enhance the aesthetic resources of the project.

2.8.3 Measures Proposed by the Applicant

WMECO proposes to discharge an instantaneous minimum flow release of 258 cfs, or inflow if less, into the bypassed reach. Since no major changes to project structures are being proposed, WMECO is proposing no additional specific measures concerning the scenic and aesthetic resources of the project.

WMECO

3.0 AGENCY CONSULTATION

3.1 Initial Stage Consultation

On February 21, 1989, WMECO provided 37 agencies with the Combined Initial Consultation Document. A copy of this document is attached in Appendix A (Agency Consultation). Comments and recommendations from reviewing agencies were requested within 30 days. Eleven agencies responded (see Appendix A), some with specific recommendations regarding studies, surveys, and materials to be included in the draft application. Agencies that responded during the Initial Stage Consultation were asked to participate with WMECO in the development of study plans to evaluate potential impacts to resources. Those recommendations have been addressed in Section 2.0 of this Exhibit.

The following agencies received the Initial Stage Consultation Document:

National Marine Fisheries Service
National Park Service, Division of Environmental Compliance
National Park Service, Mid-Atlantic Region
National Park Service, North Atlantic Region
U.S. Army Corps of Engineers
U.S. Department of Interior (DOI)
U.S. DOI, Environmental Project Review
U.S. Environmental Protection Agency
U.S. Fish and Wildlife Service (FWS)
U.S. FWS Connecticut River Atlantic Salmon Commission
U.S. FWS Endangered Species Specialist
U.S. FWS New England Region
U.S. FWS Regional Director
MA Cooperative Fisheries Research Unit
MA Environmental Protection Agency Unit
MA Department of Community Affairs
MA Department of Environmental Management

MA Department of Environmental Quality Engineering (DEQE)
MA DEQE Regional Environmental Engineer
MA Department of Public Utilities
MA Division of Fisheries and Wildlife (DFW)
MA DFW Natural Heritage Program
MA DFW Program Coordinator
MA Division of Marine Fisheries
MA Energy Facilities Siting Council
MA Executive Office of Environmental Affairs
MA Historical Commission
City of Chicopee, MA, Mayor
City of Chicopee, MA, Conservation Commission
City of Chicopee, MA, Office of Community Development
City of Chicopee, MA, Watershed Council
City of Springfield, MA, Mayor
Connecticut River Watershed Council
Pioneer Valley Planning Commission
Town of Belchertown, MA, Board of Selectmen
Town of Ludlow, MA, Board of Selectmen
Town of Palmer, MA, Board of Selectmen
Town of Wilbraham, MA, Board of Selectmen

3.1.1 Agency Meetings

Date	Agencies	Location	Topic
March 29, 1989	USFWS, MDFW	At Project	Preliminary site visit
May 12, 1989	USFWS, MDFW	Westboro, MA	Discuss study plans
June 20, 1989	City of Chicopee Office of Community Development MA Riverways Program Chicopee River Watershed Council	Chicopee	River Flows Wildlife Protection
Late July, 1989	City of Chicopee Office of Community Development	Chicopee	Chicopee Enhancement Plan

August 2, 1989	USFWS, MDFW	At Project	View ABF
August 23, 19089	Ludlow Conservation Commission Wilbraham Conservation Commission	Ludlow	Maintenance of Public Facilities
August 30, 1989	USFWS, MDFW	Concord, NH	Review study results

W M E C

APPENDIX D

WATER QUALITY REPORT

WESTERN MASSACHUSETTS ELECTRIC COMPANY
DWIGHT PROJECT

WATER QUALITY REPORT

1.0 Introduction

This report summarizes work performed in the summer of 1989 to evaluate water quality in the Chicopee River in the area of the Dwight Project.

The project is owned and operated by Western Massachusetts Electric Company (WMECO) of Berlin, Connecticut. The stone masonry spillway is 306 ft long. The dam impounds approximately 32 acres, forming the Dwight impoundment.

Below the dam and headworks, a 3,000-ft-long stone masonry power canal conveys water to the powerhouse. The intake to the powerhouse contains three 7-ft-diameter penstocks that run to three equally sized Francis turbines. Combined, the units are capable of generating 1,390 KW of power at a full plant hydraulic capacity of 761 cfs. River flows exceeding this amount are currently passed over the dam and through the bypass.

The bypass is a series of pools that currently receives only leakage from the dam structure when flows in the river do not exceed 761 cfs. The bypass rejoins the tailrace several hundred feet below the powerhouse.

The Dwight Project is operated in a peaking mode. During daily peak periods, both turbines operate and may draw the impoundment down as much as one ft. Due to the limited storage capacity of the impoundment, peak outputs have a short duration.

WMECO proposes to install another turbine at the dam to provide a constant flow of 258 cfs to the bypassed reach. Flow for this turbine will be from an open, vertical flume connecting to a new powerhouse and a vertical Francis turbine. The intake will be located just downstream of the existing canal headworks and will replace the existing deep waste gates. A tailrace will be constructed through the rock by blasting a channel back to the main river channel just below the project headworks.

As part of the studies recommended by the U.S. Fish and Wildlife Service (USFWS) and the Massachusetts Division of Fisheries and Wildlife (MaDFW), WMECO studied the existing water quality. The study was divided into two phases: research of existing data, and collection of current data. The purpose of the study is to correlate water quality data with operational data to determine the impacts, if any, of project operation on water quality, and to determine if project waters meet or exceed the Class B water quality standards.

2.0 Massachusetts Water Quality Standards

The Chicopee River at the Dwight Project is classified by the Massachusetts Department of Environmental Quality Engineering (MaDEQE) as a Class B, warmwater fishery. This classification requires that the water have a minimum of 5.0 mg/l dissolved oxygen (D.O.). Temperature must be less than 83°F; pH must be between 6.5 and 8.0 standard units; and fecal coliform bacteria counts must not be more than 200 per 100ml sample. Other general regulations govern levels of oil and grease, radioactive substances, color, odor, foam, turbidity, floating or suspended solids, nutrients, and aesthetics (314 CMR 4.03 (1988)). Pertinent excerpts of Massachusetts Water Quality Standards are presented in Tables 1 and 2.

According to the State of Massachusetts 1988 Section 305(b) report to the USEPA, the river is generally meeting these water quality standards. The only impediment to full support of the standards is from fecal coliform bacteria caused by surface runoff after storm events. It is likely that some combined sewer overflows and untreated individual discharges add to the bacteria problem.

Water quality has improved dramatically since 1980 as a result of completion of a secondary wastewater treatment plant in Palmer and the elimination of individual discharges in Palmer and Monson, both of which are located upstream of the Dwight Project. High-strength industrial wastes previously discharged to the Chicopee are now discharged to the Connecticut River via the Springfield Regional Wastewater Treatment Facility at Bondi Island.

TABLE 1 MASSACHUSETTS WATER QUALITY CRITERIA-STANDARDS FOR ALL WATERS

Parameter	Criteria
1. Aesthetics	All waters shall be free from pollutants in concentrations or combinations that: (a) Settle to form objectionable deposits; (b) Float as debris, scum or other matter for form nuisances; (c) Produce objectionable odor, color, taste or turbidity; or (d) Result in the dominance of nuisance species.
2. Radioactive Substances	Shall not exceed the recommended limits of the United States Environmental Protection Agency's National Drinking Water Regulations.
3. Tainting Substances	Shall not be concentrations or combinations that produce undesirable flavors in the edible portions of aquatic organisms.
4. Color, Turbidity, Total Suspended Solids	Shall not be in concentrations or combinations that would exceed the recommended limits on the most sensitive receiving water use.
5. Oil and Grease	The water surface shall be free from floating oils, grease and petrochemicals and any concentrations or combinations in the water column or sediments that are aesthetically objectionable or deleterious to the biota are prohibited. For oil and grease of petroleum origin the maximum allowable discharge concentrations is 15 mg/l.
6. Nutrients	Shall not exceed the site-specific limits necessary to control accelerated or cultural eutrophication.

TABLE 1 (Continued)
MASSACHUSETTS WATER QUALITY CRITERIA-STANDARDS
FOR ALL WATERS

Parameter	Criteria
7. Other Constituents	Waters shall be free from pollutants in concentrations or combinations that: (a) Exceed the recommended limits on the most sensitive receiving water use: (b) Injure, are toxic to, or produce adverse physiological or behavioral responses in humans or aquatic life; or (c) Exceed site-specific safe exposure levels determined by bioassay using sensitive species.

Source: Massachusetts State Regulation 314 CMR 4.03 (1988).

TABLE 2. MASSACHUSETTS WATER QUALITY CRITERIA-STANDARDS
FOR CLASS B WATERS

Parameter	Criteria
1. Dissolved Oxygen	Shall be a minimum of 5.0 mg/l in warm water fisheries and a minimum of 6.0 mg/l in cold water fisheries.
2. Temperature	Shall not exceed 83°F (28.3°C) in warm water fisheries or 68°F (20°C) in cold water fisheries nor shall the rise resulting from artificial origin exceed 4.0°F (2.2°C).
3. pH	Shall be in the range of 6.5-8.0 standard units and not more than 0.2 units outside of the naturally occurring range.
4. Fecal Coliform Bacteria	Shall not exceed a log mean for a set of samples of 200 per 100 ml, nor shall more than 10% of the total samples exceed 400 per 100 ml during any monthly sampling period, except as provided in 314 CMR 4.02(1).

Source: Massachusetts State Regulation 314 CMR 4.03 (1988).

3.0 Existing MaDEQE Data, Analysis, and Results

Existing data consist of several water quality data reports published by MaDEQE. The most recent were published in 1980 and 1985. Only these latter two reports were considered to have current data. Earlier reports contained data collected before some wastewater treatment plants were operational. The two remaining reports contain data from several sample locations in the Chicopee basin. Stations CH08A and CH09 are, respectively, above the Chicopee Falls Project (operated by New England Power) and below Dwight dam. There were no MaDEQE stations sampled between these two. Because there are two stations that separate these stations, results cannot be directly compared.

In 1985, data were collected only as far down the river as the Miller Street Bridge in Wilbraham. Consequently, no current data from this sampling were available for the Dwight Project.

In 1980, data from stations CH08A and CH09 were collected for dissolved oxygen (D.O.), temperature, 2-, 5-, 7-, 14-, and 21-day biochemical oxygen demand (BOD), nitrogen and phosphorus, suspended and total solids, and pH. Algae (as Chlorophyll "a") and bacteria were also sampled. Individual data were collected for two periods: July 14-17, and August 18-21.

The results of MaDEQE sampling are reported in "Chicopee River Basin - 1980 Water Quality Data and Wastewater Discharge Data." These investigations indicated water quality to be generally acceptable and meeting the Class B standards. The only exception to full attainment of standards was caused by bacteria levels.

The lowest D.O. measured at the station below the Dwight dam was 7.2 mg/l (82.6% saturation) on August 18, 1980. The average daily D.O. measured, however, was generally in the upper 80% to low 90% saturation range; actual D.O. measurements varied with temperature. A slight diurnal fluctuation in D.O. was noted at stations near the Dwight Project.

Since most of these data were collected during the critical summer warm weather period, river water temperatures were in the low to mid-70°F (21-24°C) range. BOD_5 values measured ranged from 2.1 to 5.1 mg/l. Long-term BOD measurements were taken in July at station CH08A above the Chicopee Falls dam, where the BOD_{21} was 3.3 mg/l. As expected, no changes in BOD were noted as the water passed between the stations.

Total and suspended solids tended to be slightly higher at station CH09, below the impoundment, than at station CH08A. The results were all in the 55-70 mg/l range for total solids, and 5 to 9 mg/l for suspended solids. The only exception was on July 14, when the station below the dam measured 766 mg/l. This is not explained in the MaDEQE report. Turbidity was also slightly lower in the impoundment.

Nitrogen (total Kjeldahl, ammonia, and nitrate) and phosphorus data all showed no distinct pattern of change when passing from above the impoundment to below the dam. Hardness and pH data displayed this same lack of pattern.

Bacteria tended to be much higher at station CH09 than at the upper station. This may be a result of an unlicensed discharge or combined sewer overflow, but was not explained by MaDEQE in their data reports. No significant changes were noted at the Dwight dam.

Chlorophyll "a" was measured at MaDEQE station CH08A, above Chicopee Falls dam, on July 15 and August 19. The measured Chlorophyll "a" was 11.32 mg/m^3 and 3.32 mg/m^3, respectively. The decrease in the August sample was similar to August data all along the river.

4.0 July 1989 Data

At the Dwight Project, there were little existing water quality data as described above. As a result, it was necessary to conduct sampling at the project. Additional sampling was performed to provide current data to update and verify any changes since the 1980 data were collected.

From July 24 to 27, 1989, D.O. and temperature were sampled from three locations at the Dwight Project. These were measured at the headworks, from the bridge in the power canal and at another bridge location in the bypass. During the sampling period, there was always some flow passing over the dam and into the bypass.

4.1 Impoundment Sampling

The impoundment was sampled with a Hydrolab monitor recording D.O., temperature, and conductivity. This sonde unit was installed about 1.5 to 2 meters (m) below the water surface at the Dwight gatehouse. Flow was maintained past the unit by a partially open gate several feet downstream. The sonde was calibrated and programmed to record water temperature, D.O., and conductivity every 30 minutes.

The sonde was installed at the gatehouse at 1620 hrs on July 24. The next morning at 0930 hrs, the unit was retrieved. The data it had collected overnight were downloaded to verify that the unit was operating correctly and that data were able to be transferred. Once this was verified, the unit was reinstalled at about 1115 hrs. This quality control check accounts for the one gap in collected data. The unit was left in place until 0900 hrs on Thursday, July 27, when it was retrieved, and all data were downloaded.

Data recorded by the Hydrolab unit are shown graphically in Figure 1, and are attached in Appendix A. The minimum D.O. measured was 7.25 mg/l at 0738 hrs on July 27. The temperature at that time was 24.4°C (75.9°F), yielding a saturation of 86.7%. The highest recorded

DWIGHT PROJECT

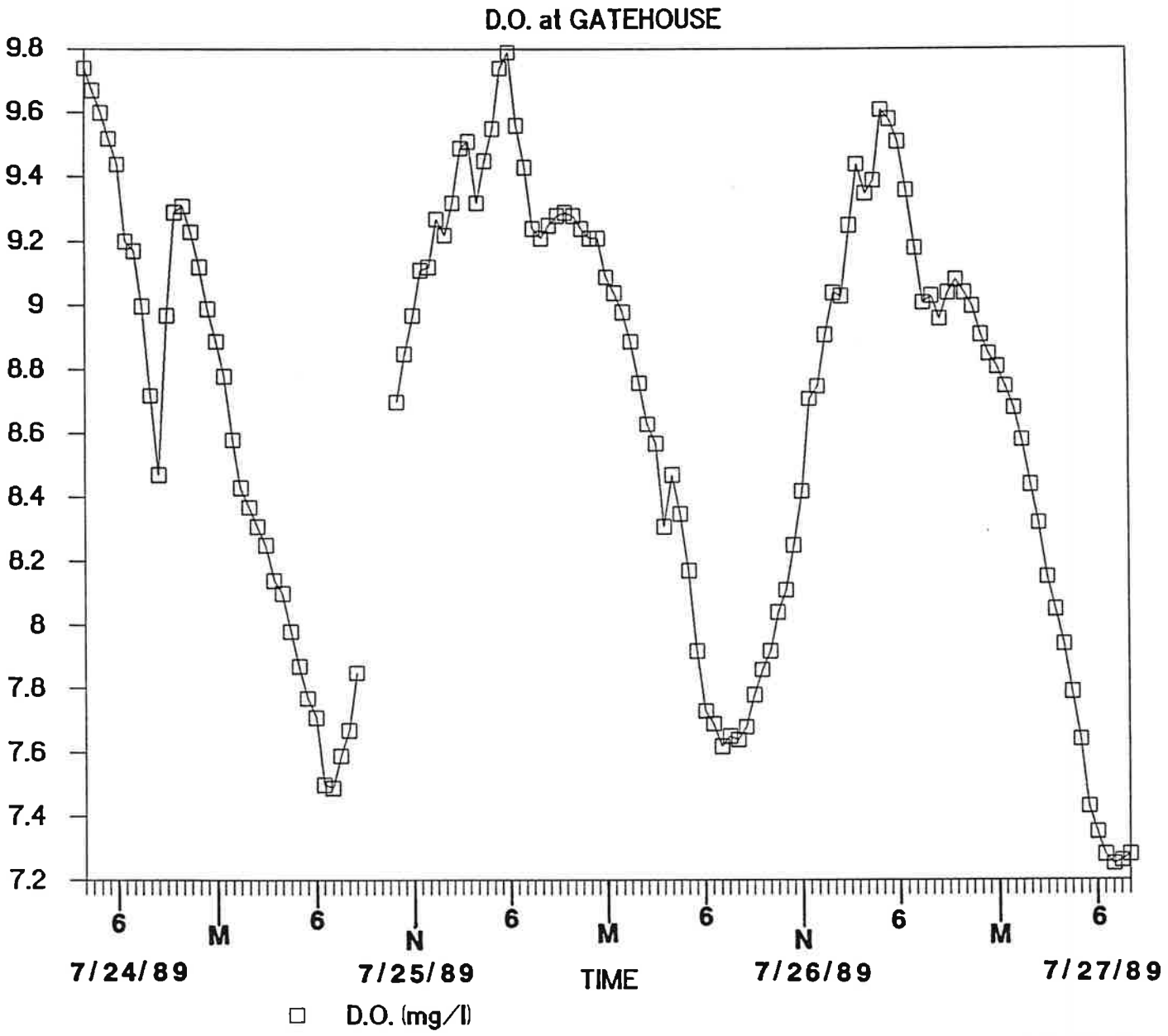


FIGURE 1

KLEINSCHMIDT ASSOCIATES
CONSULTING ENGINEERS

D.O. was 9.8 mg/l, measured at 1838 hrs on July 25. The temperature at that time was 25.1°C (77.2°F), yielding a saturation of 118.8%. Average D.O. was 8.7 mg/l at an average temperature of 24.6°C (76.3°F). Based on this, average saturation would be 104.3%.

During the sampling period, the temperatures measured ranged from 22.4°C (72.3°F) to 27.8°C (82.0°F), and averaged 24.6°C (76.3°F). Conductivity was almost constant at 0.13 mmhos/cm, indicating no that concentrated pollutant plumes passed the probe during the sampling.

4.2 Downstream Sampling

Sampling downstream of the impoundment consisted of discrete samples taken manually with a YSI model 51B portable D.O./temperature meter. Sampling was done three times during the afternoon of July 25, and several times from 0830 hrs to 1630 hrs on July 26. The first sampling location was from a road bridge over the power canal between the headworks and powerhouse. Sampling was also conducted from the State Route 116 bridge located over the bypass.

In the power canal, the samples measured on July 26 ranged from 7.4 to 8.7 mg/l D.O., and temperatures were 23.8°C (74.8°F) to 26.0°C (78.8°F). These were all about 0.6 mg/l lower than the D.O. measured by the Hydrolab units upstream. This correlation indicates that water in the canal was from a different strata than the flow passing the monitor. These data also demonstrate that there is little aeration of water passing through the gates and the beginning of the canal. The fact that the measurements maintain this trend also verifies those of the Hydrolab unit.

Surface samples were taken from the bridge over the bypass. The results were very constant and averaged about 8.8 mg/l D.O. Temperature, however, ranged from 24°C (75°F) to 28°C (82°F), causing the per cent saturation value to range from 104.5% to 112.7%. Data from this manual sampling is also included in Appendix A beside Hydrolab data taken at the same approximate time.

4.3 Project Operations During Sampling

Records were obtained for project operations during the July 1989 sampling. These data show that the project was operating two of its three turbines almost continuously during the time of the sampling (see Figure 2 and Appendix B). The third unit was not operated, due to relatively low river flows. On July 26, when many of the manual samples were collected, operations ranged from full operation of two turbines (590 cfs) to about 300 cfs. The remainder of the estimated total 600+ cfs flow was spilled over the dam. This allowed data to be collected for both conditions.

4.4 Impacts of Project Operation

The impoundment data collected during automatic sampling were correlated with this operation, comparing the average D.O. and temperature between the generating and non-generating modes. With the increased flow required for generation, there would be additional mixing, drawing water from different depths. Water from deeper depths may not contain as much oxygen as shallower waters. The comparison, as shown in Table 3 below, results in only an insignificant change in both parameters.

TABLE 3

Comparison of D.O. and Temperature and Generating Mode

Mode	D.O. (mg/l)	Temperature (°C)
Generating	8.63	24.41
Non-generating	8.85	25.79
All data	8.68	24.62

Data from downstream manual sampling tended to be about the same or slightly lower in D.O than that measured at the headworks. The slight decrease is from aeration received in the bypass relieving the

OPERATIONS AT DWIGHT STATION

7/24/89 to 7/27/89

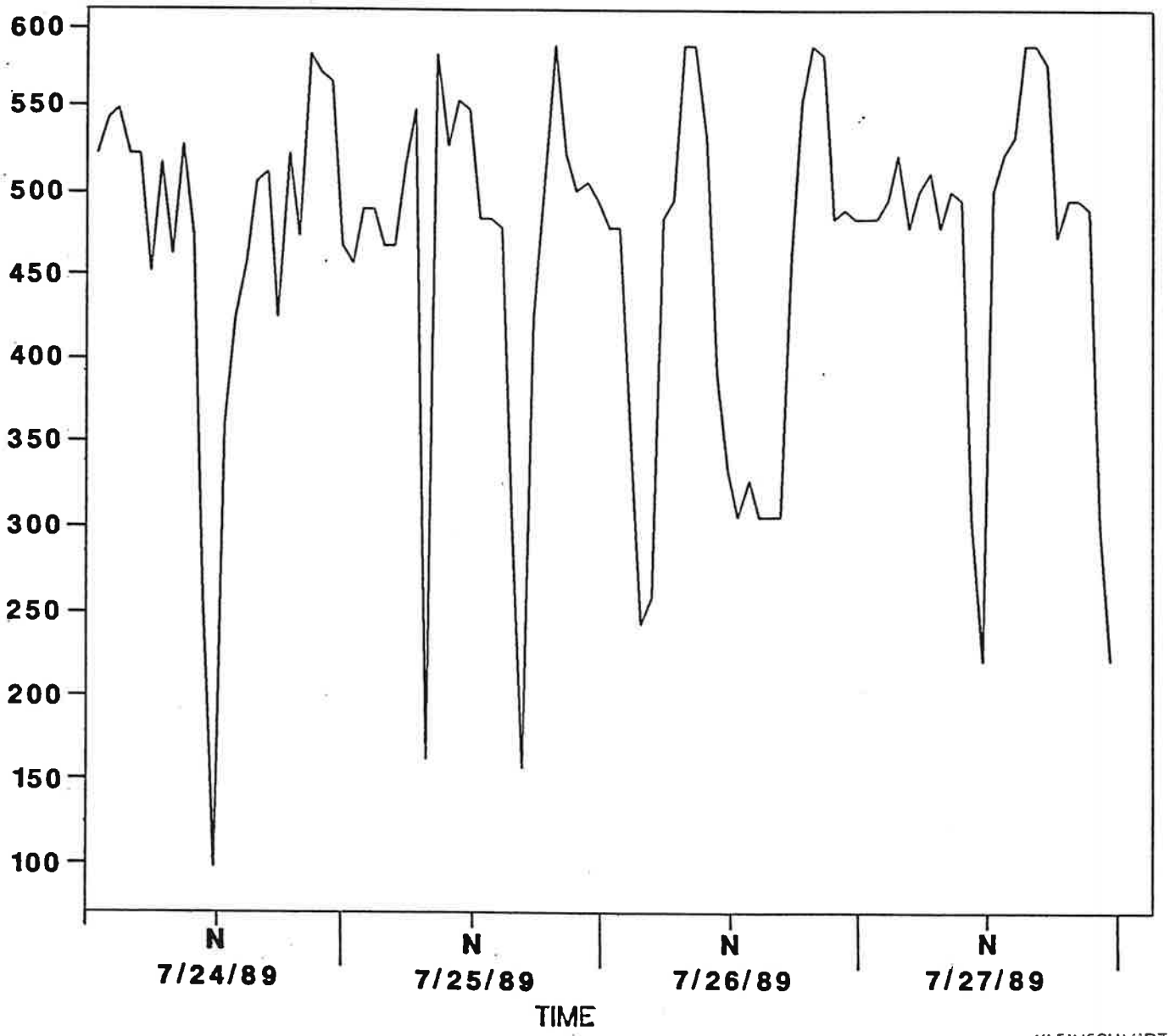


FIGURE 2

KLEINSCHMIDT ASSOCIATES
CONSULTING ENGINEERS

supersaturation of oxygen from the impoundment. Temperatures in the bypass were typically only slightly higher than those measured in the impoundment. This is a function of the water in the bypass having increased contact with the atmosphere. Air temperatures during sampling were in the 90°+F range.

5.0 Impacts of Proposed Minimum Flow Turbine

WMECO proposes to install a minimum flow turbine passing 258 cfs at the Dwight dam. Flow will be drawn from the power canal at the deep gates, as described earlier. This flow will increase the amount of water passing through the bypass, which now receives only river flows greater than 761 cfs, the hydraulic capacity of the station. The increase in flow through the pools and riffles in the bypass will likely bring the water in the river closer to natural D.O. saturation levels. Water from the impoundment that is below saturation will have more opportunity to come in contact with the atmosphere and aerate, and supersaturated water will lose excess oxygen through contact with the atmosphere.

The minimum flow turbine provides more opportunity for atmospheric contact and aeration than the existing deep power canal and turbine system. It can be assumed that installation of a minimum flow turbine at the dam will have a net positive effect on water quality in the Chicopee River.

6.0 Summary and Conclusions

All data collected in July 1989, and data from previous sampling by MaDEQE in 1980, indicate that water quality at the Dwight project is consistent with the state's classification goals for a Class B, warmwater fishery. These data also show that the operation of the project had no significant adverse impact on the water quality of the Chicopee River. Installation of the proposed minimum flow turbine to provide flow in the bypass can only further enhance the river's condition.

APPENDIX A

1989 WATER QUALITY SAMPLING DATA

DWIGHT PROJECT

	TEMP.	COND.	D.O.	BATTERY	DATE	OTHER MANUAL SAMPLING CANAL TIME	D.O.	TEMP.	BRIDGE D.O.	TEMP.
1638	23.66	0.14	9.74	11.76	72489					
1708	23.53	0.13	9.67	11.76						
1738	23.47	0.14	9.60	11.74						
1808	23.47	0.13	9.52	11.75						
1838	23.47	0.13	9.44	11.76						
1908	23.48	0.13	9.20	11.75						
1938	23.50	0.13	9.17	11.73						
2008	23.51	0.13	9.00	11.71						
2038	23.57	0.13	8.72	11.69						
2108	23.66	0.13	8.47	11.67						
2138	23.75	0.13	8.97	11.66						
2208	23.79	0.13	9.29	11.64						
2238	23.75	0.13	9.31	11.63						
2308	23.69	0.13	9.23	11.61						
2338	23.66	0.13	9.12	11.60						
8	23.60	0.13	8.99	11.59	72589					
38	23.53	0.13	8.89	11.57						
108	23.44	0.13	8.78	11.56						
138	23.35	0.14	8.58	11.55						
208	23.28	0.14	8.43	11.53						
238	23.22	0.14	8.37	11.52						
308	23.10	0.14	8.31	11.51						
338	23.06	0.14	8.25	11.50						
408	22.94	0.13	8.14	11.48						
438	22.78	0.14	8.10	11.47						
508	22.68	0.13	7.98	11.46						
538	22.54	0.13	7.87	11.45						
608	22.44	0.13	7.77	11.44						
638	22.38	0.14	7.71	11.43						
708	22.37	0.13	7.50	11.42						
738	22.38	0.14	7.49	11.41						
808	22.43	0.13	7.59	11.40						
838	22.49	0.13	7.67	11.39						
908	22.59	0.13	7.85	11.38						
938				11.30						
1008				11.31						
1038										
1108				11.40	72589	1031				
1138	23.50	0.13	8.70	11.35						
1208	23.55	0.13	8.85	11.34		1220	8.2	23.8	8.8	24.5
1238	23.80	0.13	8.97	11.32						
1308	24.07	0.13	9.11	11.31						
1338	24.10	0.13	9.12	11.30						
1408	24.20	0.13	9.27	11.29						
1438	24.52	0.13	9.22	11.28		1439	8.6	24.8	8.8	25.3
1508	24.90	0.13	9.32	11.28						
1538	24.59	0.13	9.49	11.27						
1608	24.59	0.13	9.51	11.26						
1638	25.50	0.13	9.32	11.25		1639	8.7	24.7	8.8	25.5
1708	25.39	0.13	9.45	11.25						
1738	25.52	0.13	9.55	11.24						
1808	25.33	0.13	9.74	11.23						
1838	25.12	0.13	9.79	11.23						

1908	25.15	0.13	9.56	11.22						
1938	24.92	0.13	9.43	11.21						
2008	24.86	0.13	9.24	11.20						
2038	24.87	0.13	9.21	11.20						
2108	24.95	0.13	9.25	11.19						
2138	25.03	0.13	9.28	11.18						
2208	25.12	0.13	9.29	11.18						
2238	25.24	0.13	9.28	11.17						
2308	25.37	0.13	9.24	11.16						
2338	25.44	0.13	9.21	11.16						
0	25.44	0.13	9.21	11.15	72689					
30	25.39	0.13	9.09	11.14						
100	25.28	0.13	9.04	11.14						
130	25.17	0.13	8.98	11.13						
200	24.99	0.13	8.89	11.12						
230	24.89	0.13	8.76	11.11						
300	24.74	0.13	8.63	11.10						
330	24.65	0.13	8.57	11.09						
400	24.58	0.13	8.31	11.09						
430	24.49	0.13	8.47	11.08						
500	24.18	0.13	8.35	11.07						
530	23.94	0.13	8.17	11.06						
600	23.75	0.14	7.92	11.06						
630	23.57	0.14	7.73	11.05						
700	23.54	0.14	7.69	11.04						
730	23.57	0.13	7.62	11.03						
800	23.63	0.13	7.65	11.02						
830	23.72	0.13	7.64	11.02	835	7.5	24	8.8	24	
900	23.83	0.13	7.68	11.01						
930	23.96	0.13	7.78	11.00						
1000	24.08	0.13	7.86	11.00						
1030	24.36	0.13	7.92	10.99	1019	7.4	24.3	8.8	25	
1100	24.80	0.13	8.04	10.99						
1130	25.05	0.14	8.11	10.99						
1200	25.52	0.14	8.25	10.98						
1230	26.70	0.14	8.42	10.98						
1300	25.00	0.13	8.71	10.97	1305	8	25.3	8.7	25.5	
1330	25.99	0.13	8.75	10.97						
1400	25.63	0.13	8.91	10.96						
1430	26.32	0.13	9.04	10.96	1446	8.2	26	8.9	27	
1500	27.52	0.13	9.03	10.96				2 SAMPLES HERE		
1530	26.00	0.13	9.25	10.95						
1600	25.90	0.13	9.44	10.95	1616	8.7	26	8.9	28	
1630	27.29	0.13	9.35	10.95						
1700	27.76	0.13	9.39	10.95						
1730	26.84	0.13	9.61	10.94						
1800	26.70	0.13	9.58	10.94						
1830	26.57	0.14	9.51	10.94						
1900	26.26	0.13	9.36	10.93						
1930	25.97	0.13	9.18	10.93						
2000	25.83	0.13	9.01	10.92						
2030	25.84	0.13	9.03	10.92						
2100	25.93	0.13	8.96	10.91						
2130	26.06	0.14	9.04	10.91						
2200	26.19	0.14	9.08	10.90						
2230	26.32	0.13	9.04	10.90						

2308	26.41	0.14	9.00	10.89						
2338	26.41	0.14	8.91	10.89						
8	26.40	0.14	8.85	10.88	72789					
38	26.32	0.14	8.81	10.88						
108	26.26	0.13	8.75	10.88						
138	26.10	0.13	8.68	10.87						
208	25.91	0.13	8.58	10.87						
238	25.74	0.13	8.44	10.86						
308	25.52	0.13	8.32	10.86						
338	25.30	0.13	8.15	10.85						
408	25.15	0.13	8.05	10.85						
438	24.93	0.13	7.94	10.84						
508	24.76	0.13	7.79	10.83						
538	24.57	0.13	7.64	10.83						
608	24.40	0.13	7.43	10.82						
638	24.36	0.13	7.35	10.81						
708	24.35	0.13	7.28	10.80						
738	24.35	0.13	7.25	10.80						
808	24.40	0.13	7.26	10.79						
838	24.48	0.13	7.28	10.79						
908					906	7.3	24	8.1	24.5	
938										
72789	1015		TOOK SINGLE SAMPLE		BELOW CONFLUENCE			7.8	24.5	
maximum	27.76	0.136	9.79			8.7	26.0	8.9	28.0	
minimum	22.37	0.13	7.25			7.4	23.8	0	24.0	
range	5.39	0.006	2.54			1.3	2.2	8.9	4.0	
average	24.62	0.13	8.68			8.16	24.9	7.83	25.6	

APPENDIX B

1989 OPERATION DATA

GENERATION AT DWIGHT STATION
PROJECT FLOW CALCULATIONS
BASED ON CAPACITY EXPANSION STUDY

DATE	TIME	KW	Q (cfs)
72489	1	940	523
	2	980	544
	3	990	550
	4	940	523
	5	940	523
	6	810	452
	7	930	517
	8	830	463
	9	950	528
	10	850	474
	11	450	257
	12	150	95
	13	640	360
	14	760	425
	15	820	458
	16	910	506
	17	920	512
	18	760	425
	19	940	523
	20	850	474
	21	1050	582
	22	1030	571
	23	1020	566
	24	840	468
72589	1	820	458
	2	880	490
	3	880	490
	4	840	468
	5	840	468
	6	930	517
	7	990	550
	8	270	160
	9	1050	582
	10	950	528
	11	1000	555
	12	990	550
	13	870	485
	14	870	485
	15	860	479
	16	530	300
	17	260	154
	18	760	425
	19	910	506
	20	1060	588
	21	940	523
	22	900	501
	23	910	506
	24	890	495
72689	1	860	479
	2	860	479
	3	640	360
	4	420	241
	5	450	257
	6	870	485
	7	890	495
	8	1060	588
	9	1060	588
	10	960	533
	11	700	393
	12	590	333
	13	540	306
	14	580	328
	15	540	306
	16	540	306
	17	540	306
	18	830	463
	19	1000	555
	20	1060	588
	21	1050	582
	22	870	485
	23	880	490
	24	870	485
72789	1	870	485
	2	870	485
	3	890	495
	4	940	523
	5	860	479
	6	900	501
	7	920	512
	8	860	479
	9	900	501
	10	890	495
	11	540	306
	12	380	219
	13	900	501
	14	940	523
	15	960	533
	16	1060	588
	17	1060	588
	18	1040	577
	19	850	474
	20	890	495
	21	890	495
	22	880	490
	23	530	300
	24	380	219
AVE.		827	461