

November 4, 2008

Betsey Wingfield, Chief
Bureau of Water Protection and Land Reuse
Connecticut Department of Environmental Protection
79 Elm Street
Hartford, CT 06106

Dear Ms. Wingfield:

Thank you for your submittal of the 2008 Clean Water Act Section 303(d) list, Connecticut's 2008 List of Water Bodies Not Meeting Water Quality Standards. In accordance with §303(d) of the Clean Water Act and 40 CFR §130.7, the U.S. Environmental Protection Agency (EPA) conducted a complete review of Connecticut's 2008 §303(d) list and supporting documentation. Based on this review, EPA has determined that Connecticut's list of water quality limited segments still requiring total maximum daily loads meets the requirements of §303(d) of the Clean Water Act ("CWA" or "the Act") and EPA's implementing regulations. Therefore, by this letter, EPA hereby approves Connecticut's 2008 §303(d) list.

The §303(d) list was submitted as Chapter 3 of the Connecticut's 2008 Integrated Water Quality Report. EPA commends the State for submitting a fully integrated §305(b) and §303(d) Report. Chapter 3 of the report includes a list of those waters for which technology based and other required controls for point and nonpoint sources are not stringent enough to attain or maintain compliance with the State's Water Quality Standards. The submittal presents Connecticut's total maximum daily load strategy which describes the priority setting approach and identifies those waters for which total maximum daily loads will be completed and submitted during the next two years and beyond. The statutory and regulatory requirements, and EPA New England's review of Connecticut's compliance with each requirement, are described in detail in the enclosed approval document.

The Connecticut Department of Environmental Protection has also successfully completed a public participation process during which the public was given the opportunity to review and comment on the §303(d) list. As a result of this effort, Connecticut has considered public comments in the development of the final list. A summary of the public comments and DEP's response to comments was included in the final submittal.

We are pleased with the quality of your submittal and appreciate the level of effort that CT DEP has devoted to preparing the 2008 §303(d) list. Your staff have done an excellent job of preparing a comprehensive and informative list, and providing EPA with supporting documentation and

assistance. My staff and I look forward to continued cooperation with DEP in implementing the requirements under §303(d) of the CWA. Please feel free to contact Steve Silva at 617-918-1561 or Mary Garren at 617-918-1322 if you have any questions or comments on our review.

Sincerely,

/s/

Stephen S. Perkins

Enclosure

cc: Paul Stacey, CT DEP
Lee Dunbar, CT DEP
Traci Iott, CT DEP
Stephen Silva, EPA
Lynne Hamjian, EPA
Ann Williams, EPA
Mary Garren, EPA
Steven Winnett, EPA

EPA NEW ENGLAND'S REVIEW OF CONNECTICUT'S 2008 CWA SECTION 303(d) LIST

I. INTRODUCTION

EPA has conducted a complete review of Connecticut's (CT) 2008 Section 303(d) list and supporting documentation and information and, based on this review, EPA has determined that Connecticut's list of water quality limited segments (WQLSs) still requiring total maximum daily loads (TMDLs) meets the requirements of Section 303(d) of the Clean Water Act ("CWA" or "the Act") and EPA implementing regulations. Therefore, by this order, EPA hereby approves Connecticut's 2008 final Section 303(d) list, included as part of the *2008 State of Connecticut Integrated Water Quality Report pursuant to Sections 305(b) and 303(d) of the Federal Clean Water Act* and received by EPA on September 4, 2008. The statutory and regulatory requirements, and EPA's review of Connecticut's compliance with each requirement, are described in detail below.

The purpose of this review document is to describe the rationale for EPA's approval of Connecticut's 2008 Section 303(d) list. The following sections identify key elements to be included in the Section 303(d) list submittal based on the Clean Water Act and EPA regulations. See 40 CFR Section 130.7. See also EPA's October 12, 2006 memorandum on *Information Concerning 2008 Clean Water Act Sections 303(d), 305(b), and 314 Integrated Reporting and Listing* Decisions which recommended that the 2008 integrated water quality reports follow the *Guidance for 2006 Assessment, Listing and Reporting Requirements Pursuant to Sections 303(d), 305(b) and 314 of the Clean Water Act* issued July 29, 2005 (US EPA, 2005)(available at <http://www.epa.gov/owow/tmdl/2006IRG/>) as supplemented by the October 12, 2006 memo and attachments. EPA reviewed Connecticut's 2008 *Connecticut Consolidated Assessment & Listing Methodology for 305(b) and 303(d) Reporting* (CT CALM) used to develop the Section 303(d) list and the State's description of the data and information it considered during preparation of the list. EPA's review of Connecticut's Section 303(d) list is based on an analysis of whether the State reasonably considered all existing and readily available water quality-related data and information, and reasonably identified waters required to be listed. EPA also closely examined all the requests made by the State to remove water bodies from the 2008 Section 303(d) list that had appeared on the previous list in 2006 to ensure that only those which had the proper justification were allowed to be removed. The paragraphs below are arranged to reflect the organization of guidance from EPA, titled, *Recommended Framework for EPA Approval Decisions on 2002 State Section 303(d) List Submissions*, transmitted in a memorandum from EPA Headquarters dated May 20, 2002.

II. STATUTORY AND REGULATORY BACKGROUND

Identification of WQLSs for Inclusion on Section 303(d) List

Section 303(d)(1) of the Act directs states to identify those waters within their jurisdiction for which effluent limitations required by Section 301(b)(1)(A) and (B) are not stringent enough to implement any applicable water quality standard (WQS) and to establish a priority ranking for such waters, taking into account the severity of the pollution and the uses to be made of such waters. The Section 303(d) listing requirement applies to waters impaired by point and/or nonpoint sources, pursuant to EPA's long-standing interpretation of Section 303(d).

EPA regulations provide that states do not need to list waters where the following controls are adequate to implement applicable standards: (1) technology-based effluent limitations required by the Act, (2) more stringent effluent limitations required by state or local authority, and (3) other pollution control requirements required by state, local, or federal authority. See 40 CFR Section 130.7(b)(1).

Consideration of Existing and Readily Available Water Quality-Related Data and Information

In developing Section 303(d) lists, states are required to assemble and evaluate all existing and readily available water quality-related data and information, including, at a minimum, consideration of existing and readily available data and information about the following categories of waters: (1) waters identified as partially meeting or not meeting designated uses, or as threatened, in the State's most recent Section 305(b) report; (2) waters for which dilution calculations or predictive modeling indicate non-attainment of applicable standards; (3) waters for which water quality problems have been reported by governmental agencies, members of the public, or academic institutions; and (4) waters identified as impaired or threatened in any Section 319 nonpoint assessment submitted to EPA. See 40 CFR Section 130.7(b)(5). In addition to these minimum categories, states are required to consider any other data and information that is existing and readily available. EPA guidance (U.S. EPA, 2005) describes categories of water quality-related data and information that may be existing and readily available. While states are required to evaluate all existing and readily available water quality-related data and information, states may decide to rely or not rely on particular data or information in determining whether to list particular waters.

In addition to requiring states to assemble and evaluate all existing and readily available water quality-related data and information, EPA regulations at 40 CFR Section 130.7(b)(6) require states to include as part of their submissions to EPA documentation to support decisions to rely or not rely on particular data and information and decisions to list or not list waters. Such documentation needs to include, at a minimum, the following information: (1) a description of the methodology used to develop the list; (2) a description of the data and information used to identify waters; and (3) any other reasonable information requested by the Region.

Priority Ranking

EPA regulations also codify and interpret the requirement in Section 303(d)(1)(A) of the Act that states establish a priority ranking for listed waters. The regulations at 40 CFR Section 130.7(b)(4) require states to prioritize waters on their Section 303(d) lists for TMDL development, and also to identify those WQLs targeted for TMDL development in the next two years. In prioritizing and targeting waters, states must, at a minimum, take into account the severity of the pollution and the uses to be made of such waters. See Section 303(d)(1)(A). As long as these factors are taken into account, the Act provides that states establish priorities. States may consider other factors relevant to prioritizing waters for TMDL development, including immediate programmatic needs, vulnerability of particular waters as aquatic habitats, recreational, economic, and aesthetic importance of particular waters, degree of public interest and support, and state or national policies and priorities. See 57 FR 33040, 33045 (July 24, 1992), and EPA guidance (U.S. EPA, 2005).

III. REVIEW OF CONNECTICUT'S SECTION 303(d) SUBMISSION

The Connecticut's Department of Environmental Protection (CT DEP) submitted a final 2008 Section 303(d) list to EPA, along with responses to comments, on September 4, 2008. The Section 303(d) list under review here was included as Chapter 3 of Connecticut's 2008 Integrated Report. The 2008 Section 303(d) list includes all waters that have been assigned to EPA Category 5 in accordance with the CT CALM. The Section 303(d) list contains decision ranking criteria for prioritizing EPA Category 5 waterbodies for TMDL development.

The State submitted the draft 2008 Integrated Report, including the draft Section 303(d) list, along with supporting documentation to EPA for its review on July 10, 2008. Enclosures included the draft CT CALM, notification letter of the public comment period, and the public notice. Notification letters were sent to interested parties representing a wide variety of stakeholder groups and to each of Connecticut's 169 town governments. Officials in other New England states and the State of New York were also notified. A press release was issued and a public notice was published in five Connecticut newspapers. A public informational meeting was held on July 28, 2008 at CT DEP headquarters in Hartford. CT DEP provided EPA with interim draft copies of the Section 303(d) list. EPA provided CT DEP with comments on the draft list throughout its preparation. Seventeen parties submitted comments during the public comment period. In its final submission, the State gave responses to all comments, and explained the revisions made to the list prior to its submission to EPA for final approval.

- 1.) The final 2008 State of Connecticut Integrated Water Quality Report to Congress includes the following components:

Chapter 1: Connecticut Consolidated Assessment and Listing Methodology

Chapter 2: 305(b) Assessment Results

Chapter 3: 2008 List of Connecticut Waterbodies Not Meeting Water Quality Standards

Table 3.1: EPA Categories for Waterbodies Not Meeting State WQS

Table 3.2: Decision Criteria for Prioritizing EPA Category 5 Waterbodies

Table 3.3: Connecticut 2008 Impaired Waters List

Table 3.4: Waterbodies with Adopted TMDLs

Table 3.5: Pollution Control Measures for Category 4-B Waterbody Segments

Table 3.6: Reconciliation List

References Cited

Connecticut has included all waters known or suspected not to be meeting water quality standards on the Section 303(d) list. Under its current listing approach, Connecticut keeps a waterbody on its impaired waters list until it is shown that water quality standards are being attained, criteria are met for its placement in EPA Category 4, or the initial listing was incorrect. TMDLs for listed waters will be completed in accordance with the schedule established for its specific group, which reflect priority rankings and other relevant factors.

EPA Category 4 includes waters that are currently not meeting water quality standards but do not need a TMDL completed due to one of three reasons. Category 4-A lists waters for which a TMDL has already been approved. Category 4-B includes waters for which a “functionally equivalent” control action has been developed. An impairment caused by a pollutant is being addressed through other pollution control requirements. Waters in Category 4-C are not attaining water quality standards but the cause is not associated with a pollutant. EPA reviews the Category 4 list to insure that the waters are categorized appropriately and do not belong in Category 5.

EPA Category 5 contains waters where available data and/or information indicates that the water is impaired or threatened by pollutants for one or more designated uses and a TMDL is required. Federal Regulations in 40 CFR Section 130.7 require EPA to review and approve or disapprove the Category 5 list of impaired waters.

- 2.) Response to public comments

CT DEP published a draft *2008 Integrated Water Quality Report* on July 3, 2008. The State’s *List of Connecticut Waterbodies Not Meeting Water Quality Standards* was included as Chapter 3 of the draft report. Stakeholders were notified by mail and by public notice in local newspapers.

A public informational meeting was held on July 28, 2008. Comments were accepted from the public until August 18, 2008. Seventeen parties submitted comments. The State provided a detailed Responsiveness Summary along with submission of the final impaired waters list on

September 4, 2008. CT DEP provided a copy of each comment letter attached to the Responsiveness Summary. The text of the Responsiveness Summary grouped the public comments and provided the State's responses to each question or issue raised.

CTDEP received a comment from Rivers Alliance of Connecticut requesting that Lees Pond and Poplar Plains Brook be listed for nutrient impairment based upon data collected by Richard Harris.

EPA requested additional information from CTDEP about these waters and CTDEP's basis for not listing them. DEP explained that Lee Pond is an impoundment of the Saugatuck River-01 (CT7200-00_01). The watershed is considered 80% forested. The Saugatuck is a Class AA water. The forested land is largely owned by water companies who maintain its rural character. There are no waste water treatment plants on the Saugatuck. CTDEP's nutrient loading reduction predicting software indicates that nutrient loads are within the range of what they consider to be predominately of natural origin. The data submitted by Mr. Harris was reviewed by CTDEP in making that assessment.

Poplar Plains Brook is a ½ mile long swampy brook that flows into the Saugatuck River where it empties into Lee Pond. There are no waste water treatment plants on the Poplar Plains Brook. For the reasons noted above and the swampy nature of the brook, the nutrient loads are within the range of what CTDEP considers to be predominately of natural origin. CTDEP had advised Mr. Harris in May 2008 of what data he might be able to collect to support a listing of nutrient impairment for the brook in the next listing cycle.

CTDEP is developing the capability for EPA and the public to be able to access nutrient data for specific waterbodies online. This will enable EPA to better assess nutrient listings in the 2010 listing cycle. In the meantime EPA does not have a basis to question CTDEP's assessment and conclusion that the nutrient levels are reflective of natural conditions.

EPA has reviewed CT DEP's responses and concludes that Connecticut has adequately responded to the public comments.

IV. IDENTIFICATION OF WATERS AND CONSIDERATION OF EXISTING AND READILY AVAILABLE WATER QUALITY-RELATED DATA AND INFORMATION

EPA has reviewed the State's submission, and has concluded that the State developed its Section 303(d) list in compliance with Section 303(d) of the Act and 40 CFR Section 130.7. EPA's review is based on its analysis of whether the State reasonably considered existing and readily available water quality-related data and information and reasonably identified waters required to be listed.

The State of Connecticut uses sources of data and information consistent with EPA regulations and guidance (U.S. EPA, 2005) when conducting the State's water quality assessments. These data include:

- Results from recent ambient monitoring;
- Recent Sections 305(b) reports, 303(d) lists, and 319(a) nonpoint assessments;
- Reports of water quality problems provided by local, state, territorial or federal agencies, volunteer monitoring networks, members of the public or academic institutions;
- Fish and shellfish advisories, restrictions on water sports or recreational contact;
- Reports of fish kills or abnormalities (deformities, lesions, tumors);
- Safe Drinking Water Act source water assessments;
- Superfund and Resource Conservation and Recovery Act reports; and
- Results from predictive modeling, dilution calculations or landscape analysis.

The CT CALM specifies that, "The primary sources of assessment information for rivers are ambient monitoring data collected by CT DEP monitoring staff, and physical, chemical and bacteria data collected at fixed sites by the United States Geological Survey (USGS). Lake assessments and trophic status are generally determined from studies conducted by CT DEP, the Connecticut Agricultural Experiment Station, USGS and Connecticut College since 1979 (Frink and Norvell 1984, Canavan and Siver 1995, Healy and Kulp 1995, CT DEP 1998) as well as recent studies by professional contractors. For estuaries, use assessments are based primarily on physical, chemical and biological monitoring by the CT DEP for the Long Island Sound Study and National Coastal Assessment (Strobel 2000), bacterial monitoring for shellfish sanitation by the CT Department of Agriculture, Bureau of Aquaculture (CT DA-BA), and beach monitoring by state and local authorities. Reasonable efforts are also made to incorporate data from other state and federal agencies, municipalities, utilities, consultants, academia, and volunteer monitoring groups."

Connecticut relies upon data from many sources to assess whether a waterbody is meeting water quality standards and maintaining the water's designated uses. These sources are outlined above and in the CT CALM. The types of data used to assess the status of a waterbody may include: ambient physical and chemical, benthic invertebrate and fish community, indicator bacteria, aquatic toxicity, tissue contaminant, sediment chemistry/toxicity and effluent analysis. The data must meet the threshold of being "sufficient and credible," meaning that the data are scientifically defensible by an experienced professional. Data that meet that requirement are then used to assess the status of the waterbody. The assessment methodology used by Connecticut is clearly described in the CT CALM.

CT DEP addresses mercury impairment of surface waters as per the CT CALM. Waters that are specifically listed in Category 5 as impaired for mercury have specific fish consumption advisories that are the result of local pollution sources. Additionally, "All freshwaters of the State are considered impaired for fish consumption and addressed by statewide limited consumption advisory for all freshwater fish, except trout, due to atmospheric deposition of mercury." (See page 3, Table 1, footnote b) The Northeast Regional Mercury TMDL approved by EPA on

December 20, 2007 addresses atmospheric mercury deposition in all the New England states, including Connecticut. CT DEP places all freshwater in the State in Category 4-A for failure of the waterbody segments to meet standards for fish consumption due to atmospheric mercury deposition.

Connecticut engaged in a major effort to resegment the State's coastline and better define the impaired areas. Long Island Sound, its embayments, and river-mouth estuaries were divided into 208 assessment units with separate waterbody segment ID numbers (CT CALM). Segments were divided into offshore, midshore, shore, and inner estuary segments and each group of segments was sequentially numbered. Many of the new waterbody segments that have been added to the 2008 Section 303(d) list are the result of the refinements made to more accurately portray the areas that are impaired. These newly defined impaired segments are separated from the unimpaired reaches of the waterbody segments as they were listed on the 2004 and 2006 Section 303(d) list. CT DEP worked with EPA to provide a detailed accounting of the resegmented waterbodies ensuring that all impairments were carried forward from the 2006 to the 2008 Section 303(d) list. During this listing cycle, all estuarine waters in Long Island Sound were re-assessed using the most recent available data. Details of the project are documented in the *Summary Report & Users Guide Connecticut Coastal Assessment and Segmentation Project, Final – May 11, 2006 amended - October 3, 2007*, written by K. Streich of CT DEP.

In order to prepare the 2008 Section 303(d) list, the State established a date by which data would be considered for this listing cycle. Data collected through April 1, 2007 are relied upon for these assessments. Connecticut permitted data from catastrophic events, such as fish kills and chemical spills, to be used in the assessment if collected prior to March 30, 2008. Data from lake macrophyte surveys and Long Island Sound surveys obtained during the summer of 2007 were considered. Assessment data are maintained by the State in the EPA Section 305(b) Assessment Database (ADB) version 2.2.0, as well as a number of databases designed for CT DEP use.

EPA has reviewed Connecticut's description of the data and information considered in development of the Section 303(d) list, including but not limited to the State's methodology for identifying waters, data in ADB, and the Connecticut water quality standards. EPA concludes that the State properly assembled and evaluated all existing and readily available data and information, including data and information relating to the categories of waters specified in 40 CFR Section 130.7(b)(5).

The State provided its rationale for not relying on particular existing and readily available water quality-related data and information as a basis for listing waters. Details as to why certain waters were not listed are provided in CT DEP's Response to Comments. Waters included in Category 5 of the 2008 Section 303(d) list were assessed using the CT CALM. Based upon that assessment, a total of 406 waterbody segments have been assigned to Category 5 of the impaired waters list. Those 406 segments are broken down into 168 estuarine, 35 freshwater lake, and 203 river segments.

Category 5

New Impairments

The State added 64 new freshwater segments to Category 5 in 2006. Each newly listed segment in the following table is impaired for recreation and/or habitat for fish, other aquatic life and wildlife.

Table 1: New Waterbody Segments added to Connecticut's 2008 Section 303(d) list (Category 5 of the Integrated Report)

Segment ID #	Waterbody Name	Impaired Use
CT1000-00_01	Pawcatuck River-01	Recreation
CT3000-08_01	Flat Brook (Ledyard)-01	Recreation
CT3004-00_01	Oxoboxo Brook-01	Recreation
CT3100-00_02	Willimantic River-02	Recreation
CT3100-00_03	Willimantic River-03	Recreation
CT3106-00_01	Skungamaug River-01	Recreation
CT3108-00_01	Hop River (Willimantic-Bolton)-01	Recreation
CT3206-00_02	Mount Hope River-02	Recreation
CT3401-00_02	Rocky Brook-02	Recreation
CT3500-00_03	Moosup River-03	Recreation
CT3503-00_01	Ekonk Brook-01	Recreation
CT3700-00_02	Quinebaug River-02	Recreation
CT3700-00_07	Quinebaug River-07	Recreation
CT3708-01_01	Muddy Brook (Woodstock)-01	Recreation
CT3800-00_03	Shetucket River-03	Recreation
CT4009-00_01	Roaring Brook (Glastonbury)-01	Recreation
CT4201-00_01	Watchaug Brook (Somers)-01	Recreation
CT4205-00_01	Buckhorn Brook (Enfield)-01	Recreation
CT4300-44_01	Munnisunk Brook (Simsbury)-01	Recreation
CT4302-00_01	Mad River (Winchester)-01	Recreation
CT4302-00_02a	Mad River (Winchester)-02a	Recreation
CT4305-00_01	Morgan Brook-01	Recreation
CT4305-00_02	Morgan Brook-02	Recreation
CT4305-00_04	Morgan Brook-04	Recreation
CT4309-00_02	Cherry Brook (Canton)-02	Recreation
CT4312-00_01	Roaring Brook (Farmington)-01	Habitat for Fish, Other Aquatic Life and Wildlife
CT4315-00_04	Pequabuck River-04	Recreation
CT4319-00_01a	Salmon Brook, West Branch (Granby)-01a	Recreation
CT4320-00_01	Salmon Brook (East Granby)-01	Recreation
CT4320-19_01	Mountain Brook (Suffield)-01	Recreation

CT4321-00_01	Mill Brook (Windsor)-01	Habitat for Fish, Other Aquatic Life and Wildlife
CT4700-00_01	Salmon River-01	Recreation
CT4800-00_01	Eightmile River (Lyme)-01	Recreation
CT5107-00_01	Neck River-01	Recreation
CT5108-00_01	East River (Guilford)-01	Recreation
CT5112-00_01	Farm River (East Haven)-01	Recreation and Habitat for Fish, Other Aquatic Life and Wildlife
CT5302-00_02	Mill River (Hamden/Cheshire)-02	Recreation
CT5306-01_01	Silver Brook (Orange)-01	Habitat for Fish, Other Aquatic Life and Wildlife
CT6000-00_04	Housatonic River-04 (also in Category 4-B)	Recreation
CT6000-00_06	Housatonic River-06 (also in Category 4-B)	Recreation
CT6000-45_01	Wewaka Brook (Bridgewater)-01	Habitat for Fish, Other Aquatic Life and Wildlife
CT6019-00_01	Deep Brook-01	Recreation
CT6025-00_02	Farmill River-02	Recreation
CT6200-00_01	Hollenbeck River-01	Recreation
CT6601-00_01	Miry Brook (Danbury)-01	Recreation
CT6602-00_01	Kohanza Brook (Danbury)-01	Recreation
CT6605-00_01	East Swamp Brook (Bethel)-01	Recreation
CT6606-00_01	Limekiln Brook-01 (also in Category 4-A)	Recreation
CT6606-00_03	Limekiln Brook-03	Recreation
CT6800-00_03	Pomperaug River-03	Recreation
CT6900-00_08	Naugatuck River-08	Habitat for Fish, Other Aquatic Life and Wildlife
CT6900-28_01	Hockanum Brook (Beacon Falls)-01	Recreation
CT6905-00_01	East Branch Naugatuck River-01	Habitat for Fish, Other Aquatic Life and Wildlife
CT6910-00_01	Branch Brook-01	Habitat for Fish, Other Aquatic Life and Wildlife
CT6911-00_01	Hancock Brook (Waterbury)-01	Habitat for Fish, Other Aquatic Life and Wildlife

CT7000-16_01	Muddy Brook (Westport)-01	Habitat for Fish, Other Aquatic Life and Wildlife
CT7109-00_01	Sasco Brook-01(also in Category 4-A)	Habitat for Fish, Other Aquatic Life and Wildlife
CT7200-00_03	Saugatuck River-03	Recreation
CT7200-22_01	Beaver Brook (Weston)-01	Recreation
CT7200-24_01	Kettle Creek (Weston)-01	Recreation
CT7200-26_01	Poplar Plains Brook (Westport)-01	Recreation
CT7203-00_01	West Branch Saugatuck River-01	Recreation
CT7203-00-trib_01	Unnamed tributary, West Branch Naugatuck River (Weston)-01	Recreation
CT8104-00_01	Titicus River-01	Recreation

Seventeen freshwater segments identified in the table below remain on the list from 2006 and have had a new impairment added in 2008.

Table 2: Waterbodies in Category 5 on the 2006 Section 303(d) list with a new impairment added in 2008

Segment ID #	Waterbody Name	Impaired Use Added
CT3100-19_02	Eagleville Brook-02	Recreation
CT3700-00_01	Quinebaug River-01	Recreation
CT3716-00_01	Broad Brook (Preston)-01	Recreation
CT4303-00_02	Still River (Colebrook)-02	Recreation
CT4303-00_03	Still River (Winsted)-03	Recreation
CT4314-00_01	Coppermine Brook-01	Habitat for Fish, Other Aquatic Life and Wildlife
CT4500-00_04-A	Hockanum River-04-A	Recreation
CT6000-88-1-L1_01	Brewsters Pond (Stratford)	Habitat for Fish, Other Aquatic Life and Wildlife
CT6100-00_02a	Blackberry River-02a	Recreation
CT6600-00_03	Still River (Danbury)-03	Recreation
CT6600-00_05	Still River (Danbury)-05	Recreation
CT6603-00_01	Padanaram Brook-01	Recreation
CT6604-00_01	Sympaug Brook-01	Recreation
CT6900-00_06	Naugatuck River-06	Habitat for Fish, Other Aquatic Life and Wildlife

CT6917-00_01	Long Meadow Pond Brook-01	Habitat for Fish, Other Aquatic Life and Wildlife
CT6914-00_03a	Mad River (Waterbury)-03a	Habitat for Fish, Other Aquatic Life and Wildlife
CT7401-00_02	Fivemile River (New Canaan)-02	Recreation

While EPA is not acting to approve or disapprove Connecticut's listing methodology, we have reviewed the material and we conclude that the methodology CT DEP used to develop the impaired waters list is reasonable and consistent with Connecticut's water quality standards, and with the Clean Water Act and EPA Section 303(d) regulations and guidelines.

Delistings

For the 2008 Section 303(d) list cycle, the State has delisted some or all of the impairments in five water body segments included on the 2006 Section 303(d) list because monitoring data show they are now meeting some or all of the water quality standards. These segments were listed in Category 5 in 2006 and are being completely or partially moved off the Section 303(d) list in this assessment cycle. CT DEP supplied up-to-date information on all the State's waters as part of this assessment cycle. Information supporting full and partial delistings is available for review in the EPA ADB.

Three of the five waterbody segments are now attaining all their impaired designated uses and are being fully delisted from Category 5. CT DEP is placing these waters in Category 2 to indicate that they are attaining some of their designated uses. Additional data or information is needed for a current assessment of other uses. The waterbodies would be moved back into Category 5 if they are determined to be impaired in the future.

Shepaug River-01 (CT6700-00_01) was impaired for recreational use by indicator bacteria, *E. coli*. Water column surveys for *E. coli* confirm that the water is meeting water quality standards for recreational use.

Shepaug River-01 is a Class AA inland surface water. There is no swimming in this segment of the river. The appropriate WQC (*E. coli*) are:
Geometric mean less than 126 colonies/100ml
Single sample maximum of 576/100 ml

CTDEP took 15 samples between May 2005 and September 2006. They demonstrate that bacteria criteria are being met.

The geomean of the data set is 43/100 ml.

The 15 samples are all below the single-sample maximum criterion. Samples range from 10/100 ml to 190/100 ml.

The data show that the river segment is now attaining water quality standards.

Shetucket River-05 (CT3800-00_05) was impaired for recreational use by indicator bacteria, *E.coli*. The waterbody is now meeting its water quality standards for recreational use as confirmed by 2008 cycle monitoring data.

Shetucket River-05 is a Class B inland surface water. There is no swimming in this segment of the river. The appropriate WQC (*E. coli*) are:

Geometric mean less than 126 colonies/100ml

Single sample maximum of 576/100 ml

CTDEP took 10 samples between May 2005 and September 2006. They demonstrate that bacteria criteria are being met.

The geomean of the data set is 58/100 ml.

The 10 samples are all below the single-sample maximum criteria. Samples range from 18/100 ml to 320/100 ml.

The data show that the river segment is now attaining water quality standards.

Mill Brook (Cornwall)-02a (CT6008-00_02a) was listed as impaired for habitat for fish, other aquatic life and wildlife due to an unknown cause, suspected to be non-point source. During this listing cycle Mill Brook (Cornwall)-02b was split from segment 02a. The impaired stretch of the river was better defined as restricted to segment 02b. Segment 02b still does not meet the designated use for habitat for fish, other aquatic life and wildlife so it remains in Category 5. Segment 02a is meeting its designated use for habitat and water quality standards as confirmed by USEPA Rapid Bioassessment Protocol (RBP) III benthos survey and RBP V fish survey or equivalent.

Mill Brook (Cornwall)-02a is a Class A inland surface water. It is 1.21 miles in length. The criteria for benthic invertebrates and fish communities in CT WQS are narrative community descriptions. See page 12 of CT 2002 WQS and Tables 1-2 in the Integrated Report.

CTDEP has provided EPA with a memo by fisheries biologist Mike Beauchene summarizing fish sampling conducted on 06/14/2006 and data from a 10/5/06 benthic survey from segment 02a of Mill Brook. The data and memo indicate that aquatic life use support and habitat for fish, other aquatic life, and wildlife are not impaired in segment 02a of Mill Brook. Fish sampling showed that, despite good habitat, the fish were not fully representative of the expected fish community. A landowner reported that the overabundance of pumpkinseed sunfish were the result of a washout upstream that took place two days prior to the CTDEP's fish community sampling. The washout occurred when the town removed a beaver dam upstream on 6/12/08. The impact from this event was determined by fisheries biologists to be temporary. The benthic invertebrate sample set had a benthic multi-metric index (MMI) of 61.8 indicating diverse species richness. CT aquatic life use is fully supporting with a MMI value >50. Good habitat and a healthy

macroinvertebrate community supported the fisheries biologist's assessment that the fish community was impacted by a temporary event and is therefore no longer impaired.

The data show that river segment 02a is now attaining water quality standards.

There are two partial delistings in this cycle. These waterbody segments are being partially delisted to Category 2. They are attaining the designated uses discussed below, however are not attaining for other designated uses. They also remain in Category 5 as impaired for these other uses.

Blackberry River-02a (CT6100-00_02a) was impaired for habitat for fish, other aquatic life and wildlife due to an unknown cause. The criteria for benthic invertebrates in CT WQS are narrative community descriptions. Blackberry River-02a was assessed using a 10/17/2006 RBP III benthos survey and assessment by a fisheries biologist.

Blackberry River-02a is a Class B inland surface water. It is 1.18 miles in length. Data for the benthic invertebrate survey were collected in segment 02a by CTDEP on 10/17/06. The benthic invertebrate sample set had a benthic multi-metric index (MMI) of 57.3. CT aquatic life use is fully supporting with a MMI value >50. Fish surveys are not permitted in the Blackberry River as it is classified as a "wild trout management area." Ernie Pizzuto (CTDEP) provided details, in an email to Mary Garren (EPA) dated 10/3/08, of DEP's assessment that segments (02a and 01, discussed below) are meeting their designated use for habitat.

The data show that the river segment is now attaining its designated use for habitat, but is still listed for fish consumption and recreation.

Blackberry River-01 (CT6100-00_01) was impaired for habitat for fish, other aquatic life and wildlife due to an unknown cause. The criteria for benthic invertebrates in CT WQS are narrative community descriptions. Blackberry River-01 was assessed using a 10/17/2006 RBP III benthos survey and assessment by a fisheries biologist.

Blackberry River-01 is a Class B inland surface water. It is 0.78 miles in length and downstream from segment 02a. CTDEP presented a 10/17/2006 benthic invertebrate survey and biologist assessment of fish populations to support their determination that the waterbody segment is supporting its designated use for habitat. See detail above under segment 02a. Because of the short distance of the two segments (just under 2 miles combined), CTDEP has reasonably determined that the benthic survey in segment 02a was also applicable to downstream segment 01.

The data show that the river segment is now attaining its designated use for habitat, but is still listed for fish consumption.

Table 3-6 of the 2008 Integrated Report provides a full detailed reconciliation of all the changes made between the 2006 and 2008 Section 303(d) lists. The reconciliation is included here as Appendix A of this approval template.

For each of the full and partial delistings described above, EPA agrees that the State has reasonably concluded that the identified impairments no longer need to be on the Section 303(d) list because the segments are now meeting WQS for the identified impairments.

Category 4

As discussed above, Category 4 contains segments that remain impaired for one or more designated use, but do not need a TMDL for one of three reasons specified. Waterbody segments in Category 4-A have a State developed TMDL which has been approved by EPA. Segments listed in Category 4-A in prior listing cycles remain in that category unless TMDL implementation has resulted in attainment of the appropriate WQS. Segments listed in Category 4-B have other required control measures which are expected to result in attainment of an applicable water quality standard in a reasonable period of time. Category 4-C contains waterbody segments for which the State has demonstrated that the failure to meet water quality standards is not caused by a pollutant, but rather by other types of pollution.

The 2008 Integrated Report does not include any waterbody segments that are being delisted from Category 5 to Categories 4-B or 4-C. Seven segments/impairments are being removed from the impaired waters list and placed in Category 4-A due to EPA's approval of TMDLs during the 2008 listing cycle. In addition, all freshwaters covered by the Northeast Regional Mercury TMDL are included in Category 4-A. Implementation of the TMDLs is expected to result in full attainment of the water quality standards. Standards attainment will be verified through follow-up monitoring.

Six of the seven waterbodies have been completely removed from the 2008 Section 303(d) list and placed in Category 4-A. TMDLs for the pollutant of concern have been completed and approved by EPA. The six TMDLs approved during the 2008 listing cycle are identified in the table below. These six waterbody segments have TMDLs approved that address their only Category 5 impairment. The six segments remain in Category 2. Waters in Category 2 have available data and/or information that indicate some, but not all, designated uses are supported.

One other segment identified below, Eagleville Brook-02 (CT3100-19_02), is being partially delisted from Category 5 to Category 4-A. A TMDL has been approved for Eagleville Brook-02 that addresses the segment's impairment for habitat for fish, other aquatic life, and wildlife. The segment remains in Category 5 however due to a recreational impairment that is not addressed by the TMDL. Waters delisted from Category 5 to Category 4-A in 2008 are listed below.

Table 3: Waters in Category 4-A with a TMDL approved during this listing cycle

Segment ID #	Waterbody Name	Impaired Use addressed by TMDL
CT3100-19_01	Eagleville Brook-01	Habitat for Fish, Other Aquatic Life and Wildlife
CT3100-19_02	Eagleville Brook-02 (partial delisting)	Habitat for Fish, Other Aquatic Life and Wildlife
CT4707-00-2-L2_01	Gay City Pond (Hebron)	Recreation
CT5207-02_01	Allen Brook-01	Recreation
CT5207-02_02	Allen Brook-02	Recreation
CT5207-02-1-L1_01	Allen Brook Pond (North Haven/Wallingford)	Recreation
CTW2_006	LIS WB Shore - Southport Harbor (East), Fairfield	Shellfish harvesting for direct consumption where authorized

In summary, EPA recognizes that Connecticut's delisting in 2008 of these previously Section 303(d)-listed waterbodies has been done in accordance with 40 CFR Section 130.7(b) and EPA's guidance referenced above.

EPA notes that states have taken different approaches regarding identification of waters that may be impaired by aquatic nuisance species (ANS; also known as invasive or exotic species.) The different approaches taken by the states may reflect the fact that EPA has not determined whether aquatic nuisance species are pollutants within the definition of CWA 502(6) and has not provided guidance to the states on how to address waters that may be impaired by ANS. In addition, some states may not have appropriate methodologies for assessing ANS impairments. EPA intends to include clarification in the 2010 listing guidance on how monitoring and assessment methodologies should address the negative impacts of ANS on states' waters.

Priority Ranking

EPA also reviewed the State's priority ranking of listed waters for TMDL development, and concludes that the State properly took into account the severity of pollution and the uses to be made of such waters, as well as other relevant factors such as the complexity of the impairment and availability of quality information on it, and the likelihood that a remedy might be implemented before a TMDL could be developed. In addition, EPA reviewed the State's identification of WQLSs targeted for TMDL development in the next two years, and concludes that the targeted waters are appropriate for TMDL development in this time frame.

Connecticut generally bases the development of its priority ranking on the severity of the pollution and the uses to be made of such waters, and the factors listed in EPA guidance (U.S. EPA, 2005), especially waters ranked as high priority (“H”, see below).

Connecticut includes other factors such as the availability and quality of data identifying the causes for non-attainment of WQS, and the extent of the water quality problems. Connecticut also bases its ranking in part on the likelihood that a water body’s impairment may be resolved before a TMDL is developed.

A priority for TMDL development is assigned to every (waterbody segment × impaired designated use) combination. There are 406 waterbody segments in Category 5 with 694 (waterbody segment × impaired designated use) combinations. The newly resegmented waters of Long Island Sound account for 393 of the 694 combinations. The 694 potential TMDLs are then broken down into three categories. Connecticut has prioritized those waters still requiring the development of TMDLs as high (H), medium (M), or low (L).

High Priority Waters

Waters assigned an “H” are high priority waters for a particular impaired use. Assessment information for “H” waters suggests that a TMDL may be needed to restore uses and solve the impairment. Waters and impairments designated as “H” are targeted for TMDL development within 3 years.

40 C.F.R. §130.7(b)(4) requires that “the priority ranking shall specifically include the identification of waters targeted for TMDL development in the next two years.” While the CTDEP identifies their priority waters for the next three years, they do not indicate what subset of those waters will be targeted in the next two years. CTDEP has agreed that this distinction will be addressed in their 2010 CALM and waters will be prioritized as such in the 2010 integrated report. CTDEP makes a yearly commitment to EPA, as part of their Performance Partnership Agreement, as to the number of TMDLs the State will submit during the coming year. The State has committed to completing 23 priority TMDLs over this next year. They will make a similar commitment to EPA next year. CTDEP shares with EPA the specific TMDLs that they are and will be working on in a tracking report submitted during the year. Their agreement to commit to a 2-year priority ranking system in the next listing cycle and their yearly specific commitments provide the basis for EPA’s acceptance of their priority ranking system this year.

Medium Priority Waters

Waters assigned an “M” are of medium priority. There may be insufficient information to assess whether a pollutant is causing the impairment to these water bodies, and other programs may remedy the water quality impairment. Waters and impairments designated as “M” are targeted for TMDL development within 3-7 years.

Low Priority Waters

Waters and impairments assigned an “L” are low priorities for TMDL development because other programs are likely to remedy the water quality impairment. Waters/impairments designated as “L” are targeted for TMDL development within 7-11 years.

Connecticut employs a five year rotating basin monitoring cycle. As additional data are compiled, Connecticut is committed to re-prioritizing waters based on factors such as, but not limited to, the nature/severity of the impact, importance of unsupported use, the availability of data or models required for TMDL development, etc. Overall, Connecticut is committed to completing TMDL development for all listed waters by the year 2017.

EPA concludes that Connecticut’s waterbody prioritization and identification of waters targeted for TMDL study and/or development during the next 3 years is reasonable and sufficient for the purposes of Section 303(d). CT DEP properly examined and considered the severity of pollution and uses of the listed waters, as well as other relevant factors identified in EPA’s regulations. EPA has determined that CT DEP properly ranked those waters listed for TMDL development within the next 3 years by considering the complexity of each TMDL. Further, EPA has determined that CT DEP priority ranking ensures reasonable progress in addressing high priority waters with challenging water quality problems (Memo from Geoffrey H. Grubbs, Supplemental Guidance on Section 303(d) Implementation, August 13, 1992). EPA and CT DEP assess yearly the pace of TMDL development versus the universe of impaired waters in the State.

Water bodies on tribal lands

EPA’s approval of Connecticut’s Section 303(d) list extends to all water bodies on the list with the exception of those waters, if any, that are within Indian Country, as defined in 18 U.S.C. Section 1151. EPA is taking no action to approve or disapprove the State’s list with respect to waters within Indian country at this time. EPA, or any eligible Indian Tribe, as appropriate, will retain responsibilities under Section 303(d) for those waters. There are two Federally-recognized Indian Tribes in Connecticut. They are the Mashantucket Pequot Tribal Nation and the Mohegan Tribe.

Waters impaired by nonpoint sources of pollution

The State properly listed waters with nonpoint sources causing or expected to cause impairment, consistent with Section 303(d) and EPA guidance. Section 303(d) lists are to include all WQLSs still needing TMDLs, regardless of whether the source of the impairment is a point and/or nonpoint source. EPA’s long-standing interpretation is that Section 303(d) applies to waters impacted by point and/or nonpoint sources. In ‘*Pronsolino v. Marcus*,’ the District Court for Northern District of California held that Section 303(d) of the Clean Water Act authorizes EPA to identify and establish total maximum daily loads for waters impaired by nonpoint sources. *Pronsolino v. Marcus*, 91 F. Supp. 2d 1337, 1347 (N.D.CA. 2000). This decision was affirmed by the 9th Circuit court of appeals in *Pronsolino v. Nastri*, 291 F.3d 1123 (9th Cir. 2002). See

also EPA guidance (U.S. EPA, 2005). Waters identified by the State as impaired or threatened by nonpoint sources of pollution (NPS) were appropriately considered for inclusion on the 2008 Section 303(d) list. Connecticut properly listed waters with nonpoint sources causing or expected to cause impairment, consistent with Section 303(d) regulations and EPA guidance.

EPA concludes that CT DEP properly considered waters identified by the State as impaired or threatened in nonpoint assessments under Section 319 of the CWA in the development of the 2008 Section 303(d) list.

APPENDIX A

Reconciliation of the 2006 and 2008 Section 303(d) Impaired Waters List

prepared by CT DEP as Table 3-6 of the 2008 Integrated Report

Table 3-6 Reconciliation List

Waterbody Segment ID	Waterbody Name	Impaired Designated Use	Category	Change Type	2008 Activity and Status	Delisting
CT1000-00_01	Pawcatuck River-01	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT3000-08_01	Flat Brook (Ledyard)-01	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT3004-00_01	Oxoboxo Brook-01	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT3100-00_02	Willimantic River-02	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT3100-00_03	Willimantic River-03	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT3100-19_01	Eagleville Brook-01	Habitat for Fish, Other Aquatic Life and Wildlife	4A	Category Change	Category Change from 5 to 4a. TMDL Approved.	No
CT3100-19_02	Eagleville Brook-02	Habitat for Fish, Other Aquatic Life and Wildlife	4A	Category Change	Category Change from 5 to 4a. TMDL Approved.	No
CT3100-19_02	Eagleville Brook-02	Recreation	5	New Use Impairment	New Recreation Impairment.	No
CT3103-00_01	Furnace Brook (Stafford)-01	Recreation	4C	Category Added	Recreation Impairment Added to Category 4C.	No

Table 3-6 Reconciliation List

Waterbody Segment ID	Waterbody Name	Impaired Designated Use	Category	Change Type	2008 Activity and Status	Delisting
CT3106-00_01	Skungamaug River-01	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT3108-00_01	Hop River (Willimantic-Bolton)-01	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT3206-00_02	Mount Hope River-02	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT3401-00_02	Rocky Brook-02	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT3500-00_03	Moosup River-03	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT3503-00_01	Ekonk Brook-01	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT3700-00_01	Quinebaug River-01	Recreation	5	New Use Impairment	New Recreation Impairment.	No
CT3700-00_02	Quinebaug River-02	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT3700-00_07	Quinebaug River-07	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT3708-01_01	Muddy Brook (Woodstock)-01	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No

Table 3-6 Reconciliation List

Waterbody Segment ID	Waterbody Name	Impaired Designated Use	Category	Change Type	2008 Activity and Status	Delisting
CT3716-00_01	Broad Brook (Preston)-01	Recreation	5	New Use Impairment	New Recreation Impairment.	No
CT3800-00_03	Shetucket River-03	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT3800-00_05	Shetucket River-05	Recreation	2	Category Change	Category change from 5 to 2. Waterbody segment is meeting water quality standards for Recreation uses based on 2008 cycle monitoring data.	Yes
CT4009-00_01	Roaring Brook (Glastonbury)-01	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT4201-00_01	Watchaug Brook (Somers)-01	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT4205-00_01	Buckhorn Brook (Enfield)-01	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT4300-44_01	Munnisunk Brook (Simsbury)-01	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT4302-00_01	Mad River (Winchester)-01	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No

Table 3-6 Reconciliation List

Waterbody Segment ID	Waterbody Name	Impaired Designated Use	Category	Change Type	2008 Activity and Status	Delisting
CT4302-00_02a	Mad River (Winchester)-02a	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT4303-00_02	Still River (Colebrook)-02	Recreation	5	New Use Impairment	New Recreation Impairment.	No
CT4303-00_03	Still River (Winsted)-03	Recreation	5	New Use Impairment	New Recreation Impairment.	No
CT4305-00_01	Morgan Brook-01	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT4305-00_02	Morgan Brook-02	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT4305-00_04	Morgan Brook-04	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT4309-00_02	Cherry Brook (Canton)-02	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT4312-00_01	Roaring Brook (Farmington)-01	Habitat for Fish, Other Aquatic Life and Wildlife	5	New to Impaired Waters List	New Habitat for Fish, Other Aquatic Life and Wildlife Impairment.	No
CT4314-00_01	Coppermine Brook-01	Habitat for Fish, Other Aquatic Life and Wildlife	5	New Use Impairment	New Habitat for Fish, Other Aquatic Life and Wildlife Impairment.	No

Table 3-6 Reconciliation List

Waterbody Segment ID	Waterbody Name	Impaired Designated Use	Category	Change Type	2008 Activity and Status	Delisting
CT4315-00_04	Pequabuck River-04	Recreation	5	Category Added	Recreation Impairment Added to Category 5.	No
CT4319-00_01a	Salmon Brook, West Branch (Granby)-01a	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT4320-00_01	Salmon Brook (East Granby)-01	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT4320-19_01	Mountain Brook (Suffield)-01	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT4321-00_01	Mill Brook (Windsor)-01	Habitat for Fish, Other Aquatic Life and Wildlife	5	New to Impaired Waters List	New Recreation Impairment.	No
CT4500-00_04a	Hockanum River-04a	Recreation	5	New Use Impairment	New Recreation Impairment.	No
CT4700-00_01	Salmon River-01	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT4707-00-2-L2_01	Gay City Pond (Hebron)	Recreation	4A	Category Change	Category Change from 5 to 4a. TMDL Approved.	No
CT4800-00_01	Eightmile River (Lyme)-01	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No

Table 3-6 Reconciliation List

Waterbody Segment ID	Waterbody Name	Impaired Designated Use	Category	Change Type	2008 Activity and Status	Delisting
CT5107-00_01	Neck River-01	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT5108-00_01	East River (Guilford)-01	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT5112-00_01	Farm River (East Haven)-01	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT5112-00_01	Farm River (East Haven)-01	Habitat for Fish, Other Aquatic Life and Wildlife	5	New to Impaired Waters List	New Habitat for Fish, Other Aquatic Life and Wildlife Impairment.	No
CT5200-00_07	Quinnipiac River-07	Habitat for Fish, Other Aquatic Life and Wildlife	4C	Category Added	Habitat for Fish, Other Aquatic Life and Wildlife Added to Category 4C.	No
CT5207-02_01	Allen Brook-01	Recreation	4A	Category Change	Category Change from 5 to 4a. TMDL Approved.	No
CT5207-02_02	Allen Brook-02	Recreation	4A	Category Change	Category Change from 5 to 4a. TMDL Approved.	No
CT5207-02-1-L1_01	Allen Brook Pond (North Haven/Wallingford)	Recreation	4A	Category Change	Category Change from 5 to 4a. TMDL Approved.	No

Table 3-6 Reconciliation List

Waterbody Segment ID	Waterbody Name	Impaired Designated Use	Category	Change Type	2008 Activity and Status	Delisting
CT5302-00_02	Mill River (Hamden/Cheshire)-02	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT5306-01_01	Silver Brook (Orange)-01	Habitat for Fish, Other Aquatic Life and Wildlife	5	New to Impaired Waters List	New Habitat for Fish, Other Aquatic Life and Wildlife Impairment.	No
CT6000-00_04	Housatonic River-04	Recreation	5	New Use Impairment	New Recreation Impairment.	No
CT6000-00_06	Housatonic River-06	Recreation	5	New Use Impairment	New Recreation Impairment.	No
CT6000-00-5+L2_02	Zoar, Lake (Newtown/Southbury)	Habitat for Fish, Other Aquatic Life and Wildlife	2	Category Change	Category change from 4B to 2. Waterbody is currently meeting water quality standards for Habitat for Fish, Other Aquatic Life and Wildlife based on completion of remediation activities and monitoring data.	Yes
CT6000-88-1-L1_01	Brewsters Pond (Stratford)	Habitat for Fish, Other Aquatic Life and Wildlife	5	New Use Impairment	New Habitat for Fish, Other Aquatic Life and Wildlife Impairment.	No

Table 3-6 Reconciliation List

Waterbody Segment ID	Waterbody Name	Impaired Designated Use	Category	Change Type	2008 Activity and Status	Delisting
CT6005-00_01	Factory Brook-01	Habitat for Fish, Other Aquatic Life and Wildlife	2	Category Change	Category change from 4A to 2. Waterbody is currently meeting water quality standards for Habitat for Fish, Other Aquatic Life and Wildlife based on TMDL implementation and monitoring data.	Yes
CT6008-00_02a	Mill Brook (Cornwall)-02a	Habitat for Fish, Other Aquatic Life and Wildlife	2	Segment Split / Category Change	Waterbody segment CT6008-00_02 split into two segments. Category change from 5 to 2. Waterbody segment meeting water quality standards for Habitat for Fish, Other Aquatic Life and Wildlife based on 2008 cycle monitoring data.	Yes

Table 3-6 Reconciliation List

Waterbody Segment ID	Waterbody Name	Impaired Designated Use	Category	Change Type	2008 Activity and Status	Delisting
CT6008-00_02b	Mill Brook (Cornwall)-02b	Habitat for Fish, Other Aquatic Life and Wildlife	5	Segment Split	Waterbody segment CT6008-00_02 split into two segments. Waterbody segment remains impaired for Habitat for Fish, Other Aquatic Life and Wildlife based on 2008 cycle monitoring data.	No
CT6016-00-1-L3_01	Hatch Pond (Kent)	Habitat for Fish, Other Aquatic Life and Wildlife	4C	Category Added	Habitat for Fish, Other Aquatic Life and Wildlife Added to Category 4C.	No
CT6019-00_01	Deep Brook-01	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT6025-00_02	Farmill River-02	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No

Table 3-6 Reconciliation List

Waterbody Segment ID	Waterbody Name	Impaired Designated Use	Category	Change Type	2008 Activity and Status	Delisting
CT6100-00_01	Blackberry River-01	Habitat for Fish, Other Aquatic Life and Wildlife	2	Category Change	Category change from 5 to 2. Waterbody is currently meeting water quality standards for Habitat for Fish, Other Aquatic Life and Wildlife based on 2008 cycle monitoring data.	Yes
CT6100-00_02a	Blackberry River-02a	Habitat for Fish, Other Aquatic Life and Wildlife	2	Category Change	Category change from 5 to 2. Waterbody is currently meeting water quality standards for Habitat for Fish, Other Aquatic Life and Wildlife based on 2008 cycle monitoring data.	Yes
CT6100-00_02a	Blackberry River-02a	Recreation	5	New Use Impairment	New Recreation Impairment.	No
CT6200-00_01	Hollenbeck River-01	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT6600-00_03	Still River (Danbury)-03	Recreation	5	New Use Impairment	New Recreation Impairment.	No

Table 3-6 Reconciliation List

Waterbody Segment ID	Waterbody Name	Impaired Designated Use	Category	Change Type	2008 Activity and Status	Delisting
CT6600-00_05	Still River (Danbury)-05	Recreation	5	New Use Impairment	New Recreation Impairment.	No
CT6601-00_01	Miry Brook (Danbury)-01	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT6602-00_01	Kohanza Brook (Danbury)-01	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT6603-00_01	Padanaram Brook-01	Habitat for Fish, Other Aquatic Life and Wildlife	4C	Category Added	Habitat for Fish, Other Aquatic Life and Wildlife Added to Category 4C.	No
CT6603-00_01	Padanaram Brook-01	Recreation	5	New Use Impairment	New Recreation Impairment.	No
CT6604-00_01	Sympaug Brook-01	Recreation	5	New Use Impairment	New Recreation Impairment.	No
CT6605-00_01	East Swamp Brook (Bethel)-01	Recreation	5	New Use Impairment	New Recreation Impairment.	No
CT6606-00_01	Limekiln Brook-01	Recreation	5	New Use Impairment	New Recreation Impairment.	No
CT6606-00_03	Limekiln Brook-03	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No

Table 3-6 Reconciliation List

Waterbody Segment ID	Waterbody Name	Impaired Designated Use	Category	Change Type	2008 Activity and Status	Delisting
CT6700-00_01	Shepaug River-01	Recreation	2	Category Change	Category change from 5 to 2. Waterbody is currently meeting water quality standards for Recreation based on 2008 cycle monitoring data.	Yes
CT6800-00_03	Pomperaug River-03	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT6900-00_06	Naugatuck River-06	Habitat for Fish, Other Aquatic Life and Wildlife	5	New Use Impairment	New Habitat for Fish, Other Aquatic Life and Wildlife Impairment.	No
CT6900-00_08	Naugatuck River-08	Habitat for Fish, Other Aquatic Life and Wildlife	5	New Use Impairment	New Habitat for Fish, Other Aquatic Life and Wildlife Impairment.	No
CT6900-28_01	Hockanum Brook (Beacon Falls)-01	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No

Table 3-6 Reconcillation List

Waterbody Segment ID	Waterbody Name	Impaired Designated Use	Category	Change Type	2008 Activity and Status	Delisting
CT6903-00_01	Nickel Mine Brook-01	Habitat for Fish, Other Aquatic Life and Wildlife	2	Category Change	Category change from 4C to 2. Waterbody is currently meeting water quality standards for Habitat for Fish, Other Aquatic Life and Wildlife based on 2008 cycle monitoring data.	Yes
CT6904-00_01	West Branch Naugatuck River-01	Habitat for Fish, Other Aquatic Life and Wildlife	4C	Category Added	Habitat for Fish, Other Aquatic Life and Wildlife Added to Category 4C.	No
CT6905-00_01	East Branch Naugatuck River-01	Habitat for Fish, Other Aquatic Life and Wildlife	5	New to Impaired Waters List	New Habitat for Fish, Other Aquatic Life and Wildlife Impairment.	No
CT6910-00_01	Branch Brook-01	Habitat for Fish, Other Aquatic Life and Wildlife	5	New to Impaired Waters List	New Habitat for Fish, Other Aquatic Life and Wildlife Impairment.	No
CT6911-00_01	Hancock Brook (Waterbury)-01	Habitat for Fish, Other Aquatic Life and Wildlife	5	New to Impaired Waters List	New Habitat for Fish, Other Aquatic Life and Wildlife Impairment.	No

Table 3-6 Reconciliation List

Waterbody Segment ID	Waterbody Name	Impaired Designated Use	Category	Change Type	2008 Activity and Status	Delisting
CT6914-00_01	Mad River (Waterbury)-01	Habitat for Fish, Other Aquatic Life and Wildlife	4C	Category Added	Habitat for Fish, Other Aquatic Life and Wildlife Added to Category 4C.	No
CT6914-00_02	Mad River (Waterbury)-02	Habitat for Fish, Other Aquatic Life and Wildlife	4C	Category Added	Habitat for Fish, Other Aquatic Life and Wildlife Added to Category 4C.	No
CT6914-00_03a	Mad River (Waterbury)-03a	Habitat for Fish, Other Aquatic Life and Wildlife	4C	Category Added	Habitat for Fish, Other Aquatic Life and Wildlife Added to Category 4C.	No
CT6917-00_01	Long Meadow Pond Brook-01	Habitat for Fish, Other Aquatic Life and Wildlife	5	New Use Impairment	New Habitat for Fish, Other Aquatic Life and Wildlife Impairment.	No
CT7000-16_01	Muddy Brook (Westport)-01	Habitat for Fish, Other Aquatic Life and Wildlife	5	New to Impaired Waters List	New Habitat for Fish, Other Aquatic Life and Wildlife Impairment.	No
CT7109-00_01	Sasco Brook-01	Habitat for Fish, Other Aquatic Life and Wildlife	5	New Use Impairment	New Habitat for Fish, Other Aquatic Life and Wildlife Impairment.	No
CT7200-00_03	Saugatuck River-03	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No

Table 3-6 Reconciliation List

Waterbody Segment ID	Waterbody Name	Impaired Designated Use	Category	Change Type	2008 Activity and Status	Delisting
CT7200-22_01	Beaver Brook (Weston)-01	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT7200-24_01	Kettle Creek (Weston)-01	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT7200-26_01	Poplar Plains Brook (Westport)-01	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT7203-00_01	West Branch Saugatuck River-01	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT7203-00-trib_01	Unnamed tributary, West Branch Saugatuck River (Weston)-01	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No
CT7401-00_02	Fivemile River (New Canaan)-02	Recreation	5	New Use Impairment	New Recreation Impairment.	No
CT8104-00_01	Titicus River-01	Recreation	5	New to Impaired Waters List	New Recreation Impairment.	No