

**New Hampshire Department of Environmental Services**

**IMPAIRMENTS REMOVED (I.E. DELISTED) FROM THE 303(D) LIST OF  
THREATENED OR IMPAIRED WATERS**

February 22, 2008 (*Updated – September 9, 2008*)

In accordance with Section 303(d) of the federal Clean Water Act, States must prepare a list of impaired waters that require a Total Maximum Daily Load study every 2 years (i.e., the 303(d) List). The last approved 303(d) List was prepared by the New Hampshire Department of Environmental Services (DES) in 2006. On February 22, 2008, DES released the draft 2008 Section 303(d) List of impaired waters for public comment. Downloadable copies of the draft list are available on the DES website for review ([www.des.state.nh.us/wmb/swqa/](http://www.des.state.nh.us/wmb/swqa/)). This document provides a list of all surface waters that were removed from the 2006 303(d) List (i.e., “delisted”) and the reasons why they were removed.

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### **GROUP 1. New England Regional Mercury TMDL (5,123)**

All fresh surface waters in New Hampshire (except 3 with local sources) that were on the 2006 303(d) List (5,123 Assessment Units) for impairment of fish consumption due to mercury are being delisted and placed in impairment Category 4A because a TMDL was developed and approved by EPA in 2007 that addresses mercury in fish tissue (i.e., the Northeast Regional Mercury TMDL see ( [http://des.nh.gov/wmb/tmdl/documents/NortheastRegional/FINAL\\_Northeast\\_Regional\\_Mercury\\_TMDL.pdf](http://des.nh.gov/wmb/tmdl/documents/NortheastRegional/FINAL_Northeast_Regional_Mercury_TMDL.pdf) ) To keep the size of this document manageable, individual mercury delistings for fish consumption are not shown.

### **GROUP 2. New AUIDs Covered by New England Regional Mercury TMDL (61)**

The following new assessment units were added after the 2006, 303(d) list was prepared. New assessment units are assigned when data becomes available for surface waters not shown on the mapping used to develop the original set of assessment units.

In 2007, EPA approved the Northeast Regional Mercury TMDL prepared by the Northeast States and the New England Interstate Water Pollution Control Commission (see ( [http://des.nh.gov/wmb/tmdl/documents/NortheastRegional/FINAL\\_Northeast\\_Regional\\_Mercury\\_TMDL.pdf](http://des.nh.gov/wmb/tmdl/documents/NortheastRegional/FINAL_Northeast_Regional_Mercury_TMDL.pdf) ). This TMDL addresses all fresh surface waters in NH that are impaired for the fish consumption use primarily due to atmospheric deposition of mercury. Consequently all surface waters on the 2006 303(d) list that are listed as impaired for fish consumption due to mercury where atmospheric deposition is the primary source of mercury are being delisted and moved to Category 4A for this cycle (these are the waters discussed in Group 1 above).

With regards to new assessment units, section 5.1 of the Northeast Regional Mercury TMDL states that [In addition to the impaired waters listed in Appendix A, the TMDL may, in appropriate circumstances, also apply to waterbodies that are listed for mercury impairment in subsequent Clean Water Act Section 303(d) Lists of Impaired Waters. For such waterbodies, this TMDL may apply if, after listing the waters for mercury impairment and taking into account all relevant comments submitted on the Impaired Waters List, a state determines with EPA approval of the list that this TMDL should apply to future mercury impaired waterbodies.]

In accordance with the TMDL, DES requested public comment from February 23 thru March 23, 2008 on its intent to include all new freshwater assessment units in Category 4A due to impairment of the fish consumption use caused primarily by atmospheric deposition of mercury. This is because NH considers all surface waters in the state to be impaired for the fish consumption use due to mercury and intent of the TMDL was to address all such impairments in freshwaters. Consequently, all fresh surface waters in NH, regardless of whether or not they have yet been assigned an assessment unit number, are impaired for this use and are covered by the Northeast Regional Mercury TMDL. Therefore since a TMDL has been approved by EPA, DES placed all new freshwater assessment units where atmospheric deposition is the primary

source of mercury in impairment Category 4A instead of on the 303(d) list (Category 5) for fish consumption due to mercury. No comments were received during the public comment period.

<b>AUID</b>	<b>AUID NAME</b>
NHIMP600030701-02	THURSTON POND DAM, DEERFIELD
NHIMP600031004-07	MARY'S POND DAM, SEABROOK
NHIMP700010802-01	SALMON BROOK II DAM
NHLAK600020604-03-02	MOORES POND SKI AND BEACH
NHLAK600020604-03-03	MOORES POND - ASSOCIATION BEACH
NHLAK600030607-05	SCRUTON POND, BARRINGTON
NHLAK700010205-01-01	MIRROR LAKE - MIRROR LAKE BEACH
NHLAK700010601-01-02	SPECTACLE POND - GROTON TOWN BEACH
NHLAK700010603-02-14	NEWFOUND LAKE - HEBRON TOWN BEACH
NHLAK700020110-02-37	LAKE WINNIPESAUKEE WAWBEEK CONDO ASSOC BEACH
NHLAK700030108-03	CAMPBELL POND, ANTRIM, CLS-A
NHLAK700030302-02-02	BLAISDELL LAKE - CAMP WABASSO BEACH
NHLAK700030505-04-01	ROLF POND - SANDY BEACH CAMPGROUND BEACH
NHLAK700060301-05	WHITTIER POND
NHLAK700060302-15	HORSESHOE POND, CANTERBURY
NHLAK700060601-01-02	DEERING RESERVOIR - DEERING LAKE BEACH
NHLAK700060601-01-03	DEERING RESERVOIR - HOPKINTON INDEPENDENT SCHOOL BEACH
NHLAK700060906-03	DREAM LAKE, AMHERST
NHLAK700061001-11	PENNICHUCK POND, HOLLIS
NHLAK700061102-14	WILSON POND, SALEM
NHLAK700061203-05-02	RAINBOW LAKE - KAREN-GENA BEACH
NHLAK700061403-13	CEDAR SWAMP POND, KINGSTON
NHLAK801060105-04-04	MASCOMA LAKE - DARTMOUTH COLLEGE BEACH
NHRIV600020105-09	ICE POND BROOK
NHRIV600020802-07	WEETAMOE BROOK
NHRIV600030603-11	HURD BROOK
NHRIV600030608-16	JACKSON BROOK
NHRIV600030902-15	CHASE BROOK
NHRIV600030903-13	GARRISON BROOK
NHRIV600030904-13	SHAW BROOK
NHRIV600030904-14	BRACKETT BROOK
NHRIV600030904-15	UNNAMED BROOK UNDER BAYSIDE ROAD
NHRIV600030904-16	WILLEY CREEK
NHRIV600030904-17	UNNAMED BROOK
NHRIV600030904-18	UNNAMED BROOK
NHRIV600030904-19	WILLEY CREEK
NHRIV600030904-20	UNNAMED BROOK
NHRIV600030904-21	UNNAMED BROOK
NHRIV600031001-11	UNNAMED STREAM BEHIND CHURCH
NHRIV600031004-17	MARY'S BROOK
NHRIV700010802-10	Salmon Brook, CWF
NHRIV700020101-22	NORTH INLET TO RUST POND
NHRIV700020103-13	UNNAMED BROOKS TO DINSMORE POND
NHRIV700020108-06	UNNAMED BROOK - HAWKINS POND OUTLET

NHRIV700020201-21	DURKEE BROOK
NHRIV700020202-11	UNNAMED BROOKS TO SAWYER LAKE
NHRIV700030501-16	BEAVER GLEN BROOK
NHRIV700030504-14	UNNAMED BROOK TO FRENCH POND (ALONG FRENCH RD)
NHRIV700060401-12	UNNAMED BROOK TO CRYSTAL LAKE
NHRIV700060703-10	UNNAMED BROOK FROM CRYSTAL LAKE TO COHAS BROOK
NHRIV700061203-25	HOWARD BROOK
NHRIV700061203-26	LAUNCH BROOK
NHRIV801010902-04	INDIAN BROOK
NHRIV801060401-25	ANDERSON POND BROOK
NHRIV801060401-26	STROING BROOK
NHRIV801060405-30	UNNAMED TRIB - TO PERKINS POND
NHRIV801060405-31	UNNAMED TRIB - TO PERKINS POND
NHRIV801060405-32	UNNAMED TRIB - TO PERKINS POND
NHRIV801070203-13	SPRUCE RIVER
NHRIV802010101-19	UNNAMED BROOK - TO SAND POND
NHRIV802010101-20	UNNAMED BROOK - TO SAND POND

**GROUP 3. Acid Pond TMDLs (284) (UPDATED - March 12, 2008)**

*This portion of the document has been updated since initial release on February 22, 2008. At that time 356 waters were in the table for delisting. Due to a database error, that table included waters that had been delisted in the 2006 assessment cycle. The revised table below is a sub-set of the initial table as it has been updated to show only those waters being delisted for 2008. No waters have been added that were not in the initial table.*

Each of the AUIDs below were on the 2006 303(d) List because of low pH that violated water quality standards and impaired the Aquatic Life use. Since the 2006 303(d) was prepared, TMDLs have been developed and approved by EPA to address the pH violations. As such, these waters have been moved to Category 4A for pH and Aquatic Life Use.

AUID	AU NAME	PRIMARY TOWN	FFY of APPROVAL	TMDL ID
NHLAK600020302-01-02	ECHO LAKE - STATE PARK BEACH	CONWAY	2008	33879
NHLAK600020303-03-02	IONA LAKE - CAMP ALBANY BEACH	ALBANY	2008	33879
NHLAK600020303-07-02	PEQUAKET POND - REC DEPARTMENT BEACH	CONWAY	2008	33879
NHLAK600020701-02-02	LOWER BEECH POND - WILLIAM LAWRENCE CAMP BEACH	TUFTONBORO	2008	33879
NHLAK600020702-01-02	DAN HOLE POND - CAMP MERROVISTA BEACH	TUFTONBORO	2008	33879
NHLAK600020702-01-03	DAN HOLE POND - CAMP SENTINEL BAPTIST BEACH	TUFTONBORO	2008	33879
NHLAK600020801-06-02	SILVER LAKE - MONUMENT BEACH	MADISON	2008	33879
NHLAK600020801-06-03	SILVER LAKE - FOOT OF THE LAKE BEACH	MADISON	2008	33879
NHLAK600020801-06-04	SILVER LAKE - NICHOLS BEACH	MADISON	2008	33879
NHLAK600020801-06-05	SILVER LAKE - KENNETT PARK BEACH	MADISON	2008	33879
NHLAK600020802-04-02	OSSIPEE LAKE - CAMP CALUMET BEACH	OSSIPEE	2008	33879
NHLAK600020802-04-03	OSSIPEE LAKE - DEER COVE PB BEACH	OSSIPEE	2008	33879

<b>AUID</b>	<b>AU NAME</b>	<b>PRIMARY TOWN</b>	<b>FFY of APPROVAL</b>	<b>TMDL ID</b>
NHLAK600020802-04-04	OSSIPEE LAKE - CAMP CODY FOR BOYS BEACH	FREEDOM	2008	33879
NHLAK600020803-08-02	SHAW POND - CAMP WAKUTA BEACH	FREEDOM	2008	33879
NHLAK600020804-01-04	LEAVITT BAY - CAMP MARIST BEACH	EFFINGHAM	2008	33879
NHLAK600020804-01-05	BROAD BAY - CAMP HUCKINS BEACH	FREEDOM	2008	33879
NHLAK600020804-01-06	BROAD BAY - CAMP ROBIN HOOD BEACH	FREEDOM	2008	33879
NHLAK600030601-05-02	SUNRISE LAKE - TOWN BEACH	MIDDLETON	2008	33879
NHLAK600030704-02-02	PAWTUCKAWAY LAKE - PAWTUCKAWAY STATE PARK BEACH	NOTTINGHAM	2008	33879
NHLAK600030704-02-03	PAWTUCKAWAY LAKE - TOWN BEACH	NOTTINGHAM	2008	33879
NHLAK700010802-03-02	HERMIT LAKE - TOWN BEACH	SANBORNTON	2008	33879
NHLAK700010804-01-02	HIGHLAND LAKE - TOWN BEACH	ANDOVER	2008	33879
NHLAK700010804-02-02	WEBSTER LAKE - GRIFFIN TOWN BEACH	FRANKLIN	2008	33879
NHLAK700010804-02-03	WEBSTER LAKE - LEGACE TOWN BEACH	FRANKLIN	2008	33879
NHLAK700020101-05-02	LAKE WENTWORTH - ALBEE BEACH	WOLFEBORO	2008	33879
NHLAK700020101-05-03	LAKE WENTWORTH - WENTWORTH STATE PARK BEACH	WOLFEBORO	2008	33879
NHLAK700020101-05-04	LAKE WENTWORTH - PUBLIC BEACH	WOLFEBORO	2008	33879
NHLAK700020101-05-05	LAKE WENTWORTH - CAMP BERNADETTE BEACH	WOLFEBORO	2008	33879
NHLAK700020101-05-06	LAKE WENTWORTH - CAMP PLEASANT VALLEY BEACH	WOLFEBORO	2008	33879
NHLAK700020101-05-07	LAKE WENTWORTH - PIERCE CAMP BIRCHMONT BEACH	WOLFEBORO	2008	33879
NHLAK700020101-07-02	RUST POND - WOLFEBORO CAMP SCHOOL BEACH	WOLFEBORO	2008	33879
NHLAK700020108-02-03	LAKE WAUKEWAN - TOWN BEACH	MEREDITH	2008	33879
NHLAK700020110-02-04	LAKE WINNIPESAUKEE - MELVIN VILLAGE LAKE TOWN BEACH	TUFTONBORO	2008	33879
NHLAK700020110-02-05	LAKE WINNIPESAUKEE - MOULTONBOROUGH TOWN BEACH	MOULTONBOROUGH	2008	33879
NHLAK700020110-02-07	LAKE WINNIPESAUKEE - PUBLIC BEACH	TUFTONBORO	2008	33879
NHLAK700020110-02-08	LAKE WINNIPESAUKEE - CARRY BEACH	WOLFEBORO	2008	33879
NHLAK700020110-02-09	LAKE WINNIPESAUKEE - BREWSTER BEACH	WOLFEBORO	2008	33879
NHLAK700020110-02-10	LAKE WINNIPESAUKEE - ALTON BAY TOWN BEACH	ALTON	2008	33879
NHLAK700020110-02-11	LAKE WINNIPESAUKEE - PUBLIC DOCK TOWN BEACH	ALTON	2008	33879
NHLAK700020110-02-12	LAKE WINNIPESAUKEE - ELACOYA STATE PARK BEACH	GILFORD	2008	33879
NHLAK700020110-02-13	LAKE WINNIPESAUKEE - GILFORD TOWN BEACH	GILFORD	2008	33879
NHLAK700020110-02-14	LAKE WINNIPESAUKEE - ENDICOTT PARK WEIRS BEACH	LACONIA	2008	33879
NHLAK700020110-02-15	LAKE WINNIPESAUKEE - LEAVITT PARK BEACH	MEREDITH	2008	33879
NHLAK700020110-02-16	LAKE WINNIPESAUKEE - TOWN	CENTER HARBOR	2008	33879

<b>AUID</b>	<b>AU NAME</b>	<b>PRIMARY TOWN</b>	<b>FFY of APPROVAL</b>	<b>TMDL ID</b>
	BEACH (CENTER HARBOR)			
NHLAK700020110-02-17	LAKE WINNIPESAUKEE - STATES LANDING TOWN BEACH	MOULTONBOROUGH	2008	33879
NHLAK700020110-02-20	LAKE WINNIPESAUKEE - CAMP ALTON BEACH	ALTON	2008	33879
NHLAK700020110-02-21	LAKE WINNIPESAUKEE - BROOKWOOD/DEER RUN BEACH	ALTON	2008	33879
NHLAK700020110-02-22	LAKE WINNIPESAUKEE - CAMP KABEYUN BEACH	ALTON	2008	33879
NHLAK700020110-02-23	LAKE WINNIPESAUKEE - CAMP LAWRENCE BEACH	MEREDITH	2008	33879
NHLAK700020110-02-24	LAKE WINNIPESAUKEE - CAMP MENOTOMY BEACH	MEREDITH	2008	33879
NHLAK700020110-02-25	LAKE WINNIPESAUKEE - CAMP NOKOMIS BEACH	MEREDITH	2008	33879
NHLAK700020110-02-26	LAKE WINNIPESAUKEE - GENEVA POINT CENTER BEACH	MOULTONBOROUGH	2008	33879
NHLAK700020110-02-27	LAKE WINNIPESAUKEE - WINAUKEE ISLAND CAMP BEACH	MOULTONBOROUGH	2008	33879
NHLAK700020110-02-28	LAKE WINNIPESAUKEE - CAMP ROBINDEL FOR GIRLS BEACH	MOULTONBOROUGH	2008	33879
NHLAK700020110-02-29	LAKE WINNIPESAUKEE - CAMP TECUMSEH BEACH	MOULTONBOROUGH	2008	33879
NHLAK700020110-02-30	LAKE WINNIPESAUKEE - CAMP WINAUKEE BEACH	MOULTONBOROUGH	2008	33879
NHLAK700020110-02-31	LAKE WINNIPESAUKEE - CAMP BELKNAP BEACH	TUFTONBORO	2008	33879
NHLAK700020110-02-32	LAKE WINNIPESAUKEE - CAMP NORTH WOODS BEACH	TUFTONBORO	2008	33879
NHLAK700020110-02-33	LAKE WINNIPESAUKEE - CAMP SANDY ISLAND BEACH	TUFTONBORO	2008	33879
NHLAK700020110-02-34	LAKE WINNIPESAUKEE - CAMP DEWITT BEACH	ALTON	2008	33879
NHLAK700020110-02-35	LAKE WINNIPESAUKEE - WANAKEE METHODIST CHURCH BEACH	MEREDITH	2008	33879
NHLAK700020201-05-02	LAKE WINNISQUAM - TOWN BEACH	SANBORNTON	2008	33879
NHLAK700020201-05-03	LAKE WINNISQUAM - BARTLETTS BEACH	LACONIA	2008	33879
NHLAK700020201-05-04	LAKE WINNISQUAM - BELMONT TOWN BEACH	BELMONT	2008	33879
NHLAK700020201-05-05	LAKE WINNISQUAM - AHERN STATE PARK	LACONIA	2008	33879
NHLAK700030105-01-02	ZEPHYR LAKE - TOWN BEACH	GREENFIELD	2008	33879
NHLAK700030105-02-03	OTTER LAKE - GREENFIELD SP PICNIC BEACH	GREENFIELD	2008	33879
NHLAK700030105-02-04	OTTER LAKE - GREENFIELD SP MIDDLE BEACH	GREENFIELD	2008	33879
NHLAK700030105-02-05	OTTER LAKE - GREENFIELD SP CAMPING BEACH	GREENFIELD	2008	33879
NHLAK700030105-02-06	OTTER LAKE - CAMP UNION BEACH	GREENFIELD	2008	33879
NHLAK700030105-02-07	OTTER LAKE - GREENFIELD SP BEACH	GREENFIELD	2008	33879
NHLAK700030105-03-02	SUNSET LAKE - TOWN BEACH	GREENFIELD	2008	33879
NHLAK700030105-03-03	SUNSET LAKE - NASHUA FRESH AIR CAMP BEACH	GREENFIELD	2008	33879
NHLAK700030402-02-02	PLEASANT LAKE - ELKINS BEACH	NEW LONDON	2008	33879

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NHLAK700030505-01-02	CLEMENT POND - CAMP MERRIMAC BEACH	HOPKINTON	2008	33879
NHLAK700040401-01-02	MELENDY POND - TOWN BEACH	BROOKLINE	2008	33879
NHLAK700040401-02-02	LAKE POTANIPO - TOWN BEACH	BROOKLINE	2008	33879
NHLAK700040401-02-03	POTANIPO POND - CAMP TEVYA BEACH	BROOKLINE	2008	33879
NHLAK700060101-02-02	SONDOGARDY POND - GLINES PARK BEACH	NORTHFIELD	2008	33879
NHLAK700060201-01-02	LOON LAKE - LOON LAKE BEACH	GILMANTON	2008	33879
NHLAK700060202-03-02	CLOUGH POND - TOWN BEACH	LOUDON	2008	33879
NHLAK700060401-02-02	CRYSTAL LAKE-TOWN BEACH	GILMANTON	2008	33879
NHLAK700060401-06-02	MANNING LAKE - CAMP BELL BEACH	GILMANTON	2008	33879
NHLAK700060402-03-02	HALFMOON LAKE - CAMP MI-TE-NA BEACH	ALTON	2008	33879
NHLAK700060403-01-02	BIG WILLEY POND - CAMP FOSS BEACH	STRAFFORD	2008	33879
NHLAK700060403-01-03	BIG WILLEY POND - PARKER MTN BEACH	STRAFFORD	2008	33879
NHLAK700060501-03-02	WILD GOOSE POND - WILD GOOSE POND BEACH	PITTSFIELD	2008	33879
NHLAK700060501-03-03	WILD GOOSE POND - WILD GOOSE CAMP BEACH	PITTSFIELD	2008	33879
NHLAK700060503-01-02	BEAR HILL POND - BEAR HILL POND BEACH	ALLENSTOWN	2008	33879
NHLAK700060601-03-02	PLEASANT LAKE - PUBLIC ACCESS BEACH	HENNIKER	2008	33879
NHLAK700061203-06-02	ROBINSON POND - TOWN BEACH	HUDSON	2008	33879
NHLAK700061203-06-03	UNKNOWN POND - CAMP WINAHUPE BEACH	HUDSON	2008	33879
NHLAK700061204-02-02	LITTLE ISLAND POND - CAMP RUNELS BEACH	PELHAM	2008	33879
NHLAK801010707-01-02	CHRISTINE LAKE - TB BEACH	STARK	2008	33879
NHLAK801040201-03-02	LAKE TARLETON - KINGSWOOD CAMP BEACH	PIERMONT	2008	33879
NHLAK801040203-01-02	POST POND - CHASE TOWN BEACH	LYME	2008	33879
NHLAK801060401-08-02	KOLEMOOK LAKE - TOWN BEACH	SPRINGFIELD	2008	33879
NHLAK801060402-04-02	LITTLE SUNAPEE LAKE - BUCKLIN TOWN BEACH	NEW LONDON	2008	33879
NHLAK801060402-04-03	LITTLE LAKE SUNAPEE - COLBY LODGE BEACH	NEW LONDON	2008	33879
NHLAK801060402-05-02	SUNAPEE LAKE - GEORGES MILL TOWN BEACH	SUNAPEE	2008	33879
NHLAK801060402-05-03	SUNAPEE LAKE - DEWEY (TOWN) BEACH	SUNAPEE	2008	33879
NHLAK801060402-05-04	SUNAPEE LAKE - BLODGETT'S LANDING BEACH	NEWBURY	2008	33879
NHLAK801060402-05-05	SUNAPEE LAKE - SUNAPEE STATE PARK BEACH	NEWBURY	2008	33879
NHLAK801060402-05-06	SUNAPEE LAKE - DEPOT BEACH	NEWBURY	2008	33879
NHLAK801060402-12-02	OTTER POND - MORGAN BEACH	NEW LONDON	2008	33879
NHLAK801060403-04-02	RAND POND - PUBLIC WAY BEACH	GOSHEN	2008	33879
NHLAK801070503-01-02	SPOFFORD LAKE - ACCESS RD TOWN BEACH	CHESTERFIELD	2008	33879

<b>AUID</b>	<b>AU NAME</b>	<b>PRIMARY TOWN</b>	<b>FFY of APPROVAL</b>	<b>TMDL ID</b>
NHLAK801070503-01-03	SPOFFORD LAKE - N SHORE RD TOWN BEACH	CHESTERFIELD	2008	33879
NHLAK801070503-01-04	SPOFFORD LAKE - WARES GROVE TOWN BEACH	CHESTERFIELD	2008	33879
NHLAK801070503-01-05	SPOFFORD LAKE - CAMP SPOFFORD BEACH	CHESTERFIELD	2008	33879
NHLAK801070503-01-06	SPOFFORD LAKE - ROADS END FARM BEACH	CHESTERFIELD	2008	33879
NHLAK802010202-07-02	RUSSEL RESERVOIR - CHESHAM BEACH	HARRISVILLE	2008	33879
NHLAK802010302-01-02	SWANZEY LAKE - RICHARDSON PARK TOWN BEACH	SWANZEY	2008	33879
NHLAK802010302-01-03	SWANZEY LAKE - CAMP SQUANTO BEACH	SWANZEY	2008	33879
NHIMP700060302-02	HAYWARD BROOK/MORRILL POND	CANTERBURY	2007	33878
NHIMP700060502-01	DURGIN POND OUTLET	NORTHWOOD	2007	33878
NHIMP700061403-04	POWWOW POND	KINGSTON	2007	33878
NHLAK600020202-01	FALLS POND	ALBANY	2007	33878
NHLAK600020302-01-01	ECHO LAKE	CONWAY	2007	33878
NHLAK600020303-03	IONA LAKE	ALBANY	2007	33878
NHLAK600020303-05	BIG PEA PORRIDGE POND	MADISON	2007	33878
NHLAK600020303-06	MIDDLE PEA PORRIDGE POND	MADISON	2007	33878
NHLAK600020303-07-01	PEQUAWKET POND	CONWAY	2007	33878
NHLAK600020303-09	WHITTON POND	ALBANY	2007	33878
NHLAK600020604-03	MOORES POND	TAMWORTH	2007	33878
NHLAK600020701-02	LOWER BEECH POND	TUFTONBORO	2007	33878
NHLAK600020701-04	UPPER BEECH POND	WOLFEBORO	2007	33878
NHLAK600020702-01	DAN HOLE POND	TUFTONBORO	2007	33878
NHLAK600020703-03	PINE RIVER POND	WAKEFIELD	2007	33878
NHLAK600020703-04	WHITE POND	OSSIPEE	2007	33878
NHLAK600020801-01	BLUE POND	MADISON	2007	33878
NHLAK600020801-05	MACK POND	MADISON	2007	33878
NHLAK600020801-06-01	SILVER LAKE	MADISON	2007	33878
NHLAK600020802-04-01	OSSIPEE LAKE	OSSIPEE	2007	33878
NHLAK600020803-01-01	LOWER DANFORTH POND	FREEDOM	2007	33878
NHLAK600020803-01-02	MIDDLE DANFORTH POND	FREEDOM	2007	33878
NHLAK600020803-03	UPPER DANFORTH POND	FREEDOM	2007	33878
NHLAK600020803-08	SHAW POND	FREEDOM	2007	33878
NHLAK600020804-01-01	BERRY BAY	FREEDOM	2007	33878
NHLAK600020804-01-02	LEAVITT BAY	OSSIPEE	2007	33878
NHLAK600020804-01-03	BROAD BAY	FREEDOM	2007	33878
NHLAK600020902-01	PROVINCE LAKE	EFFINGHAM	2007	33878
NHLAK600021001-01	BALCH POND	WAKEFIELD	2007	33878
NHLAK600030403-02	HORN POND	WAKEFIELD	2007	33878
NHLAK600030601-05-01	SUNRISE LAKE	MIDDLETON	2007	33878
NHLAK600030602-03	ROCHESTER RESERVOIR	ROCHESTER	2007	33878
NHLAK600030605-01	NIPPO POND	BARRINGTON	2007	33878



<b>AUID</b>	<b>AU NAME</b>	<b>PRIMARY TOWN</b>	<b>FFY of APPROVAL</b>	<b>TMDL ID</b>
NHLAK600030704-02-01	PAWTUCKAWAY LAKE	NOTTINGHAM	2007	33878
NHLAK600030802-01	HUNT POND	SANDOWN	2007	33878
NHLAK700010104-02	LOON POND	LINCOLN	2007	33878
NHLAK700010205-01	MIRROR LAKE	WOODSTOCK	2007	33878
NHLAK700010304-04	MCCUTCHEON POND	DORCHESTER	2007	33878
NHLAK700010304-05	POUT POND	DORCHESTER	2007	33878
NHLAK700010401-03	CONE POND	THORNTON	2007	33878
NHLAK700010402-03	LOWER HALL POND	SANDWICH	2007	33878
NHLAK700010402-05	UPPER HALL POND	SANDWICH	2007	33878
NHLAK700010402-08	LITTLE PERCH POND	CAMPTON	2007	33878
NHLAK700010501-01	BARVILLE POND	SANDWICH	2007	33878
NHLAK700010501-02	INTERVALE POND	SANDWICH	2007	33878
NHLAK700010501-03	KUSUMPE POND	SANDWICH	2007	33878
NHLAK700010502-04	SKY POND	NEW HAMPTON	2007	33878
NHLAK700010701-03	ORANGE POND	ORANGE	2007	33878
NHLAK700010701-05	WAUKEENA LAKE	DANBURY	2007	33878
NHLAK700010702-02	SCHOOL POND	DANBURY	2007	33878
NHLAK700010802-03-01	HERMIT LAKE	SANBORNTON	2007	33878
NHLAK700010802-04	RANDLETT POND	MEREDITH	2007	33878
NHLAK700010802-05	MOUNTAIN POND	SANBORNTON	2007	33878
NHLAK700010804-01-01	HIGHLAND LAKE	ANDOVER	2007	33878
NHLAK700010804-02-01	WEBSTER LAKE	FRANKLIN	2007	33878
NHLAK700020101-05-01	LAKE WENTWORTH	WOLFEBORO	2007	33878
NHLAK700020101-07-01	RUST POND	WOLFEBORO	2007	33878
NHLAK700020108-02-01	LAKE WAUKEWAN	MEREDITH	2007	33878
NHLAK700020108-02-02	LAKE WINONA	NEW HAMPTON	2007	33878
NHLAK700020108-04	HAWKINS POND	CENTER HARBOR	2007	33878
NHLAK700020110-02-01	PAUGUS BAY	LACONIA	2007	33878
NHLAK700020110-02-19	LAKE WINNIPESAUKEE	ALTON	2007	33878
NHLAK700020110-05	SALTMARSH POND	GILFORD	2007	33878
NHLAK700020201-05-01	LAKE WINNISQUAM	LACONIA	2007	33878
NHLAK700020202-03	POUT POND	BELMONT	2007	33878
NHLAK700020202-04	SARGENT LAKE	BELMONT	2007	33878
NHLAK700030101-08	GRASSY POND	RINDGE	2007	33878
NHLAK700030101-12	POOL POND	RINDGE	2007	33878
NHLAK700030101-13	BULLET POND	RINDGE	2007	33878
NHLAK700030103-02	TOLMAN POND	NELSON	2007	33878
NHLAK700030103-03	JUGGERNAUT POND	HANCOCK	2007	33878
NHLAK700030103-09	SPOONWOOD LAKE	NELSON	2007	33878
NHLAK700030103-10	DINSMORE POND	HARRISVILLE	2007	33878
NHLAK700030105-01-01	ZEPHYR LAKE	GREENFIELD	2007	33878
NHLAK700030105-02-01	OTTER LAKE	GREENFIELD	2007	33878
NHLAK700030105-03-01	SUNSET LAKE	GREENFIELD	2007	33878
NHLAK700030107-01	WILLARD POND	ANTRIM	2007	33878

<b>AUID</b>	<b>AU NAME</b>	<b>PRIMARY TOWN</b>	<b>FFY of APPROVAL</b>	<b>TMDL ID</b>
NHLAK700030202-06	BAGLEY POND	WINDSOR	2007	33878
NHLAK700030203-02	SMITH POND	WASHINGTON	2007	33878
NHLAK700030203-03	TROUT POND	STODDARD	2007	33878
NHLAK700030204-04	LOON POND	HILLSBOROUGH	2007	33878
NHLAK700030302-02	BLAISDELL LAKE	SUTTON	2007	33878
NHLAK700030302-04-01	LAKE MASSASECUM	BRADFORD	2007	33878
NHLAK700030304-05	TOM POND	WARNER	2007	33878
NHLAK700030304-07	TUCKER POND	SALISBURY	2007	33878
NHLAK700030304-08	LAKE WINNEPOCKET	WEBSTER	2007	33878
NHLAK700030401-02	BUTTERFIELD POND	WILMOT	2007	33878
NHLAK700030402-01	CHASE POND	WILMOT	2007	33878
NHLAK700030402-02-01	PLEASANT LAKE	NEW LONDON	2007	33878
NHLAK700030403-05	HORSESHOE POND	ANDOVER	2007	33878
NHLAK700030502-03	BEAR POND	WARNER	2007	33878
NHLAK700030505-01	CLEMENT POND	HOPKINTON	2007	33878
NHLAK700040401-01-01	MELENDY POND	BROOKLINE	2007	33878
NHLAK700040401-02-01	POTANIPO POND	BROOKLINE	2007	33878
NHLAK700060101-01	SHAW POND	FRANKLIN	2007	33878
NHLAK700060101-02-01	SONDOGARDY POND	NORTHFIELD	2007	33878
NHLAK700060201-01-01	LOON POND	GILMANTON	2007	33878
NHLAK700060201-03	NEW POND	CANTERBURY	2007	33878
NHLAK700060202-03-01	CLOUGH POND	LOUDON	2007	33878
NHLAK700060202-04	CROOKED POND	LOUDON	2007	33878
NHLAK700060401-02-01	CRYSTAL LAKE	GILMANTON	2007	33878
NHLAK700060401-06	MANNING LAKE	GILMANTON	2007	33878
NHLAK700060401-12	SUNSET LAKE	ALTON	2007	33878
NHLAK700060402-03	HALFMOON LAKE	ALTON	2007	33878
NHLAK700060402-05	HUNTRESS POND	BARNSTEAD	2007	33878
NHLAK700060403-01	BIG WILLEY POND	STRAFFORD	2007	33878
NHLAK700060403-02	LITTLE WILLEY POND	STRAFFORD	2007	33878
NHLAK700060501-03	WILD GOOSE POND	PITTSFIELD	2007	33878
NHLAK700060501-08	BERRY POND	PITTSFIELD	2007	33878
NHLAK700060502-03	CHESTNUT POND	EPSOM	2007	33878
NHLAK700060503-01	BEAR HILL POND	ALLENSTOWN	2007	33878
NHLAK700060601-01	DEERING RESERVOIR	DEERING	2007	33878
NHLAK700060601-02	DUDLEY POND	DEERING	2007	33878
NHLAK700060601-03-01	PLEASANT POND	HENNIKER	2007	33878
NHLAK700060602-02	MOUNT WILLIAM POND	WEARE	2007	33878
NHLAK700060604-01	PLEASANT POND	FRANCESTOWN	2007	33878
NHLAK700060607-03	LONG POND	DUNBARTON	2007	33878
NHLAK700060702-03	MASSABESIC LAKE	AUBURN	2007	33878
NHLAK700060802-02	LAKINS POND	HOOKSETT	2007	33878
NHLAK700060802-03	PINNACLE POND	HOOKSETT	2007	33878
NHLAK700060803-02	STEVENS POND	MANCHESTER	2007	33878

<b>AUID</b>	<b>AU NAME</b>	<b>PRIMARY TOWN</b>	<b>FFY of APPROVAL</b>	<b>TMDL ID</b>
NHLAK700061002-03	HORSESHOE POND	MERRIMACK	2007	33878
NHLAK700061101-01-01	ISLAND POND	HAMPSTEAD	2007	33878
NHLAK700061203-06-01	ROBINSON POND	HUDSON	2007	33878
NHLAK700061204-02	LITTLE ISLAND POND	PELHAM	2007	33878
NHLAK700061204-03	ROCK POND	WINDHAM	2007	33878
NHLAK700061205-01	GUMPAS POND	PELHAM	2007	33878
NHLAK801010102-03	ROUND POND	PITTSBURG	2007	33878
NHLAK801010707-01-01	CHRISTINE LAKE	STARK	2007	33878
NHLAK801040201-03	LAKE TARLETON	PIERMONT	2007	33878
NHLAK801040203-01-01	POST POND	LYME	2007	33878
NHLAK801060101-03	CUMMINS POND	DORCHESTER	2007	33878
NHLAK801060101-05	RESERVOIR POND	DORCHESTER	2007	33878
NHLAK801060103-02	LITTLE GOOSE POND	CANAAN	2007	33878
NHLAK801060104-02	GRAFTON POND	GRAFTON	2007	33878
NHLAK801060401-06	EASTMAN POND	GRANTHAM	2007	33878
NHLAK801060401-08-01	KOLELEMOOK LAKE	SPRINGFIELD	2007	33878
NHLAK801060402-04-01	LITTLE SUNAPEE LAKE	NEW LONDON	2007	33878
NHLAK801060402-05-01	SUNAPEE LAKE	SUNAPEE	2007	33878
NHLAK801060402-11	MOUNTAINVIEW LAKE	SUNAPEE	2007	33878
NHLAK801060402-12-01	OTTER POND	SUNAPEE	2007	33878
NHLAK801060403-01	GILMAN POND	UNITY	2007	33878
NHLAK801060403-04-01	RAND POND	GOSHEN	2007	33878
NHLAK801060404-01	ROCKYBOUND POND	CROYDON	2007	33878
NHLAK801070201-01	CRESCENT LAKE	CRESCENT LAKE	2007	33878
NHLAK801070503-01-01	SPOFFORD LAKE	CHESTERFIELD	2007	33878
NHLAK802010102-05	BARRETT POND	WASHINGTON	2007	33878
NHLAK802010104-01	CALDWELL POND	ALSTEAD	2007	33878
NHLAK802010104-03	CRANBERRY POND	ALSTEAD	2007	33878
NHLAK802010202-02	CHILDS BOG	HARRISVILLE	2007	33878
NHLAK802010202-07	RUSSELL RESERVOIR	HARRISVILLE	2007	33878
NHLAK802010202-14	BABBIDGE RESERVOIR	ROXBURY	2007	33878
NHLAK802010302-01-01	SWANZEY LAKE	SWANZEY	2007	33878
NHLAK802010303-02	MEETINGHOUSE POND	MARLBOROUGH	2007	33878
NHLAK802010303-07	SAND POND	TROY	2007	33878
NHLAK802010303-10	WILSON POND	SWANZEY	2007	33878
NHLAK802020103-04	EMERSON POND	RINDGE	2007	33878
NHLAK802020202-01	COLLINS POND	FITZWILLIAM	2007	33878
NHLAK600030604-01-02	BOW LAKE - TOWN BEACH	STRAFFORD	2006	32408
NHLAK600030604-01-03	BOW LAKE – MARY WALDRON BEACH	STRAFFORD	2006	32409
NHLAK600030604-01-04	BOW LAKE – BENNETT BRIDGE BEACH	STRAFFORD	2006	32410
NHLAK700030102-01-02	THORNDIKE POND – TOWN BEACH	JAFFREY	2006	30636
NHLAK700030103-05-02	HARRISVILLE POND – SUNSET TOWN BEACH	HARRISVILLE	2006	30661
NHLAK700030108-02-02	GREGG LAKE – TOWN BEACH	ANTRIM	2006	30637
NHLAK700060502-08-02	NORTHWOOD LAKE – TOWN BEACH	NORTHWOOD	2006	30638

<b>AUID</b>	<b>AU NAME</b>	<b>PRIMARY TOWN</b>	<b>FFY of APPROVAL</b>	<b>TMDL ID</b>
NHLAK700060502-09-02	PLEASANT LAKE – VEASEY PARK BEACH	DEERFIELD	2006	30639
NHLAK700061002-01-02	DARRAH POND – TOWN BEACH	LITCHFIELD	2006	30662
NHLAK801030302-01-02	ECHO LAKE – FRANCONIA STATE PARK BEACH	FRANCONIA	2006	30640
NHLAK802010303-05-02	STONE POND – TOWN BEACH	MARLBOROUGH	2006	30641
NHLAK802020101-01-02	CAMP TOAH NIPI BEACH ON PECKER POND	RINDGE	2006	22528

#### **GROUP 4. New Beach AUIDs on Ponds with EPA Approved Acid Pond TMDLs (8)**

The following new beach assessment units were added after the 2006, 303(d) list was prepared. Per New Hampshire’s Consolidated Assessment and Listing Methodology (CALM), beach assessment units inherit the Aquatic Life Use assessment of their “parent” waterbodies. That is, a beach on Newfound Lake would be assessed for Aquatic Life Use based upon the same data used to assess Newfound Lake itself.

Each of the beaches below has been assessed as impaired for pH and each of the parent lakes for these beaches has an EPA approved pH TMDL.

DES requested public comment February 23 thru March 23, 2008 on its intent to include all of the new beaches below in Category 4A (impaired waters that do not need a TMDL) for impairment of the Aquatic Life Use due to pH violations instead of on the 303(d) list for Aquatic Life impairment due to pH. No comments were received during the public comment period.

<b>AUID</b>	<b>AU NAME</b>	<b>New AUID as of</b>	<b>Parent Lake TMDL ID</b>
NHLAK600020604-03-02	MOORES POND SKI AND BEACH (NH635571)	07/05/2006	33878
NHLAK600020604-03-03	MOORES POND - ASSOCIATION BEACH (NH173393)-	07/05/2006	33878
NHLAK700020110-02-37	LAKE WINNIPESAUKEE WAWBEEK CONDO ASSOC BEACH (NH283207)	07/05/2006	33878
NHLAK700010601-01-02	SPECTACLE POND - GROTON TOWN BEACH (NH883841)	07/05/2006	11453
NHLAK700030302-02-02	CAMP WABASSO BEACH (NH770125) ON BLAISDELL LAKE	04/20/2007	33878
NHLAK700060601-01-02	DEERING LAKE BEACH (NH476110) ON DEERING RESERVOIR	04/20/2007	33878
NHLAK700060601-01-03	HOPKINTON INDEPENDENT SCHOOL BEACH (NH770215) ON DEERING RESERVOIR	04/20/2007	33878
NHLAK700010205-01-01	MIRROR LAKE BEACH (NH224709) ON MIRROR LAKE	04/20/2007	33878

#### **GROUP 5. Aluminum impacted by Acid Pond TMDL (21)**

An EPA approved "Acid Pond TMDL" has been completed for the Assessment Units shown below because of low pH violations . These Assessment Units are also listed as impaired

for Aquatic Life due to Aluminum. Low pH can cause Aluminum to be mobilized from soil and rock and result in violations of water quality standards. In the Assessment Units shown below there are no known sources of Aluminum to the waterbody beyond that caused by atmospheric deposition of acids which results in low pH. Since the Aluminum violations are associated with the low pH and since Acid Pond TMDLs have been developed to address the low pH, the TMDLs also address the Aluminum violations. Consequently, these Assessment Units have been placed in Category 4A (impaired waters that do not need a TMDL) for impairment of Aquatic Life due to Aluminum.

<b>AUID</b>	<b>AUID Name</b>
NHLAK400010502-02	CORSER POND, ERROL
NHLAK400010502-05	SWEAT POND, ERROL
NHLAK600020102-02	SAWYER POND, LITTLE, LIVERMORE
NHLAK600020602-02	FLAT MOUNTAIN POND (1&2), WATERVILLE VALLEY
NHLAK700010104-01	BLACK POND, LINCOLN
NHLAK700010201-03	LONESOME LAKE, LINCOLN
NHLAK700010203-02	RUSSELL POND, WOODSTOCK, W/CWF
NHLAK700010204-01	EAST POND, LIVERMORE
NHLAK700010205-02	PEAKED HILL POND, THORNTON, CWF
NHLAK700010304-02	DERBY POND, ORANGE
NHLAK700010307-01	LOON LAKE, PLYMOUTH, WWF
NHLAK700010401-04	GREELEY POND (UPPER), LIVERMORE
NHLAK700010402-04	HALL POND, MIDDLE, SANDWICH, CWF
NHLAK700030301-01	SOLITUDE, LAKE, NEWBURY
NHLAK801010706-01	BOG POND, LITTLE, ODELL
NHLAK801030302-01-01	ECHO LAKE, FRANCONIA
NHLAK801030302-01-02	FRANCONIA STATE PARK ECHO LAKE
NHLAK801030701-01	CONSTANCE LAKE, PIERMONT
NHLAK801060401-07	HALFMILE POND, ENFIELD
NHLAK802010101-04	LONG POND, LEMPSTER
NHLAK802010101-06-01	MILLEN POND, WASHINGTON

**GROUP 6. Aluminum impacted by Natural Sources of low pH (1)**

Naturally low pH is the source of elevated Aluminum in the assessment unit listed below. There are no known sources of Aluminum to the waterbody beyond that caused by naturally low pH which causes Aluminum to be mobilized from soil/rock. Since New Hampshire’s water quality standards allow “naturally occurring” exceedances (i.e., exceedances are not considered violations if they are due to natural conditions), this Assessment Unit was removed from the 303(d) List for impairment of Aquatic Life due to Aluminum. Aluminum for the Aquatic Life use has been moved to Category 2.

<b>AUID</b>	<b>AU Name</b>
NHLAK801010103-03	WRIGHT POND

**GROUP 7. Little Harbor TMDL (2)**

The following Assessment Unit has an EPA approved TMDL covering Fecal Coliform for the Shellfishing use and Enterococcus for the Primary Contact Recreation use. Therefore,

Fecal Coliform for the Shellfishing use and Enterococcus for the Primary Contact Recreation use have been moved to Category 4A (impaired waters that do not need a TMDL).

AUID	AU Name
NHEST600031002-02	Little Harbor, C-Ap, 197.98, Ac

**GROUP 8. Corrected Septic System (1)**

In 2006, the Assessment Unit shown below was included on the 303(d) List for impairment of Primary Contact Recreation due to violations of the enterococcus water quality standard. The source of the bacteria violations was a failing septic system at 58 Pleasant Point Drive. Since 2006, the City of Portsmouth completed a sewer line extension for Pleasant Point Drive and eliminated the failed septic system.

After removal of the failed septic system, 40 enterococcus samples were collected in-situ of which 18 were in the “Critical Period” for swimming. 18 geometric means were calculated for the dataset of which 7 were in the “Critical Period” for swimming. No violations of the Single Sample Maximum Criteria (104 cts/100mL) or Geometric Mean Criteria (35 cts/100mL) have occurred. Therefore this Assessment Unit has been delisted from the 303(d) List for enterococcus and placed in Category 2 (fully supporting for Primary Contact Recreation).

AUID	AU Name
NHEST600031001-05	Back Channel, P/SZ, 421.64, Ac

**GROUP 9. EPA Approved Beach TMDLs (2)**

The following beach Assessment Units were included on the 2006 303(d) List for impairment of Primary Contact Recreation due to bacteria violations (Escherichia coli). In the winter of 2006, EPA approved TMDLs for both Assessment Units. Consequently, these Assessment Units have been moved to Category 4A (impaired waters that do not need a TMDL) for Primary Contact Recreation due to Escherichia coli.

AUID	AU Name
NHIMP802010303-04-02	SAND DAM VILLAGE POND-TOWN BEACH
NHIMP700030204-05-02	MILL POND-TOWN BEACH

**GROUP 10. Beach with new data (1)**

This beach Assessment Unit was included on the 2006 303(d) List for impairment of Primary Contact Recreation due to bacteria (Escherichia coli) violations. The assessment was based upon three samples all collected on 7/17/2001 at three different parts of the beach. The maximum concentration of these samples was 200 cts/100mL.

In the subsequent sampling conducted in 2002, 2003, 2004, 2005, 2006, and 2007, 48 samples were collected with a maximum of 68 cts/100mL and a median concentration for that time period of 17.5 cts/100mL. The freshwater beach single sample maximum criteria (SSMC) is 88 cts/100mL. From 2002 to 2007, six geometric means were calculated ranging from 5 to 22 cts/100mL. The freshwater beach geometric mean criteria is 47 cts/100mL. Many of the subsequent samples were collected under the same conditions as the 200 cts/100mL values from 7/17/2001. Weight of evidence indicates that this beach supports Primary Contact Recreation.

Therefore this Assessment Unit has been delisted for impairment of Primary Contact Recreation due to Escherichia coli and placed in Category 2 (full support of Primary Contact Recreation).

AUID	AU Name
NHRIV700010303-09-02	LOWER BAKER RIVER-TOWN BEACH

### GROUP 11. Erroneous Metals Listings (7)

The following Assessment Units were mistakenly listed for lead in 2006. In each case all samples were below the analytical detection limit (DL) and reported in the Environmental Monitoring Database as <0.001 mg/L. New Hampshire's Assessment Database automatically converted these values to 0.5 ug/L (i.e. 1/2 DL). 0.5 ug/L is still over the chronic water quality criteria for lead, which for these samples ranged from 0.12 to 0.25 ug/L depending upon hardness. New Hampshire's Consolidated Assessment and Listing Methodology (CALM) states that the department will not impair an assessment unit based upon samples that are below detection. Further, since all of the data is below the detection limit, the following assessment units have been removed from the 303(d) List for impairment of Aquatic Life due to Lead and placed in Category 3 (Insufficient Information).

AUID	AU Name	Number of Lead Samples	Number of lead samples below the analytical detection limit
NHRIV600020305-02	Saco River	9	9
NHRIV600020106-08	Saco River	2	2
NHRIV600020202-05-01	Swift River	2	2
NHRIV600020202-05-02	ROCKY GORGE-SWIFT RIVER	2	2
NHRIV600020202-05-03	LOWER FALLS-SWIFT RIVER	2	2
NHRIV600020203-01	Swift River	2	2
NHRIV600020302-05-02	Kearsarge Brook	2	2

### GROUP 12. Erroneous Listing for PCBs in the Connecticut River (36)

According to Section 3.2.6 of the 2008 Consolidated Assessment and Listing Methodology (CALM), the definition for the designated use of fish consumption is "Waters that support fish free from contamination at levels that pose a human health risk to consumers." According to Section 3.2.6 of the 2008 CALM, the absence or presence of "restricted consumption" or "no consumption" fish advisories or bans shall be used to determine if a surface water shall be used to assess surface waters for the fish consumption use. Fish consumption advisories are issued by NHDES Environmental Health Program (EHP).

According to staff in the NHDES Environmental Health Program, who are responsible for issuing fish consumption Advisories in NH, the Connecticut River does not have a fish consumption advisory due to PCBs. This is supported by the document entitled "Is it Safe to Eat the Fish we Catch" by the NHDES EHP which is available at <http://www.des.state.nh.us/ARD/EHP/HRA/index.html>. This document lists all of the NH fish

consumption advisories currently in effect. As shown, there is no advisory for the Connecticut River due to PCBs.

It is believed that the reason why the Connecticut River was listed in previous cycles as impaired for fish consumption due to PCBs is because PCBs have been detected in the tissue of fish taken from the Connecticut River. This information, however, was incorrectly used as a reason for listing these waterbodies. Although PCBs have been detected in some fish taken from the Connecticut River, the concentrations, according to staff in the NHDES EHP do not warrant a fish consumption advisory for PCBs (see table below). Consequently, since there is no fish consumption advisory for PCBs in the Connecticut River, the Assessment Units below have been removed from the 303(d) List for fish consumption due to PCBs and placed in Category 3 (Insufficient Information).

Summary of NH PCB Fish Tissue Data from 2000 Connecticut River Fish Tissue Contaminant Study <sup>1</sup>	Average Total PCBs <sup>1</sup>	Screening Level <sup>2</sup>	Exceeds Screening Level?
	ppm	ppm	4 meals / month
Small mouth bass (CT River Reach 5-7)	0.00136	0.012	No
Yellow perch (CT River Reach 5-7)	0.00075	0.012	No
<p>1. Connecticut River Fish Tissue Contaminant Study (2000)-Ecological and Human Health Risk Screening by Greg Hellyer, Ecosystem Assessment Unit, USEPA - New England Regional Laboratory</p> <p>2. Guidance for Assessing Chemical Contaminant Data for Use in Fish Advisories Volume 2: Risk Assessment and Fish Consumption Limits, Third Edition, EPA 823-B-00-008</p>			

AUID	AU Name
NHIMP801010305-01	CONNECTICUT RIVER - CANAAN HYDRO
NHIMP801030201-01	CONNECTICUT RIVER - GILMAN DAM POND
NHIMP801030203-01	CONNECTICUT RIVER - COMERFORD STORAGE DAM
NHIMP801030205-02	CONNECTICUT RIVER - MCINDOES RESERVOIR
NHIMP801030206-01-01	CONNECTICUT RIVER - DODGE FALLS (TAILRACE OF MCINDOES DAM)
NHIMP801030206-01-02	CONNECTICUT RIVER - DODGE FALLS
NHIMP801060703-05	CONNECTICUT RIVER - BELLOWS FALLS
NHIMP801070507-01	CONNECTICUT RIVER - VERNON DAM
NHLAK801030202-01	MOORE RESERVOIR
NHLAK801040402-03	WILDER LAKE
NHRIV801010203-04	CONNECTICUT RIVER
NHRIV801010203-07	CONNECTICUT RIVER
NHRIV801010305-01	CONNECTICUT RIVER
NHRIV801010305-02	CONNECTICUT RIVER
NHRIV801010404-02	CONNECTICUT RIVER
NHRIV801010405-03	CONNECTICUT RIVER
NHRIV801010603-05	CONNECTICUT RIVER
NHRIV801010902-02	CONNECTICUT RIVER
NHRIV801010902-03	CONNECTICUT RIVER
NHRIV801010903-02	CONNECTICUT RIVER



NHRIV801030201-02	CONNECTICUT RIVER
NHRIV801030203-01	CONNECTICUT RIVER
NHRIV801030205-02	CONNECTICUT RIVER
NHRIV801030206-03	CONNECTICUT RIVER
NHRIV801030703-04	CONNECTICUT RIVER
NHRIV801040205-06	CONNECTICUT RIVER
NHRIV801040402-13	CONNECTICUT RIVER
NHRIV801060302-01	CONNECTICUT RIVER
NHRIV801060302-05	CONNECTICUT RIVER
NHRIV801060305-12	CONNECTICUT RIVER
NHRIV801060702-12	CONNECTICUT RIVER
NHRIV801070501-10-01	CONNECTICUT RIVER - BYPASSED RIVER REACH BELOW BELLOWS FALLS DAM
NHRIV801070501-10-02	CONNECTICUT RIVER
NHRIV801070502-06	CONNECTICUT RIVER
NHRIV801070505-10	CONNECTICUT RIVER
NHRIV802010501-05	CONNECTICUT RIVER

**GROUP 13. Crystal Lake Sediment Restoration (4)**

Crystal Lake is a 19 acre, urban water body situated in south Manchester, NH. Much of the 200 acre watershed is comprised of single and multi-family residential, municipal and state roads, and wooded areas. The shoreline is lined with seasonal camps and year-round homes. Crystal Lake is primarily a seepage lake, having no surface tributaries and according to a 1985 NH DES Diagnostic/ Feasibility Study, 85% of the lake’s volume is a result of groundwater flow. Stormwater runoff accounts for the remainder of the annual water budget for Crystal Lake. A municipal beach is located on the lake and all properties in the watershed are currently served by municipal sewer.

As a result of the direct stormwater discharges entering Crystal Lake from the nine catch basins in the watershed, sediment deltas formed in the lake below the outlets of these outfalls. Further documentation of these sediment deposits lead to the following impairments inclusion on the 2006 303(d) List:

1. Crystal Lake, Manchester (NHLAK700060703-02-01) Primary and Secondary Contact Recreation (sedimentation/siltation) at Corning Road
2. Crystal Lake, Town Beach (NHLAK700060703-02-02) Primary and Secondary Contact Recreation (sedimentation/siltation) at Crystal Lake Beach

In response to the impairments, the City of Manchester implemented a Section 319 Restoration Project in the watershed designed to eliminate the excessive sediment transport to Crystal Lake at these locations. This restoration effort addressed all remaining, untreated catch basins discharging into Crystal Lake.

Implementation of Best Management Practices (BMPs) at the Corning Road location included the installation of deep sump catch basins and a 1,500 gallon stormwater treatment baffle tank. The City of Manchester also installed granite curbing along Corning Road in order to direct stormwater to catch basins and eliminate severe erosion along the shoulders of the road. The Corning Road BMPs are inspected at least twice per year and cleaned annually. Since installation of these BMPs in 2004, the City of Manchester has eliminated 4.1 cubic yards of

sediment from reaching Crystal Lake at this location. There are no signs of sediment plumes or deltas associated with this outfall.

The BMPs installed at the Crystal Lake Town Beach were designed to replace the dirt drive and parking lot, non-functional catch basins, and outdated closed drainage system. This subwatershed is now drained by newly installed deep-sump, infiltration catch basins, lateral stormwater outlets along the steep access road, perforated drainage piping, level spreader, and vegetated swale. The access road and beach parking lot has been converted from dirt to crushed stone as well. This network of stormwater conveyance and infiltration technology has virtually eliminated discharge to Crystal Lake during all but the most intense rain events. Newly installed lateral outlets discharge stormwater into wooded areas along the access road reducing the volume of stormwater conveyed by the system. Stormwater that manages to reach the parking lot catch basins, either infiltrates through the deep sumps, or is routed into a perforated pipe system discharging into a vegetated swale by way of a level spreader. Stormwater is rarely seen entering Crystal Lake from the beach subwatershed since the installation of these BMPs. In conjunction with the installation of the beach BMPs, the City of Manchester also removed a 90 cubic yard sediment delta that had formed at the beach outfall location. Since construction of the beach BMPs at Crystal Lake, no sediment plumes or deltas have been documented at this location.

The City of Manchester also maintains a StormTreat® System on Corning Road adjacent to the beach property. This six-unit StormTreat® System works in conjunction with a 1,000 gallon baffle box to eliminate sediment from entering the lake. Since 2005, the City of Manchester has eliminated 11.2 cubic yards of sediment and other debris from entering Crystal Lake using the StormTreat® System.

The combination of BMPs installed around Crystal Lake has addressed all catch basins and stormwater inlets entering the lake at this time. The City of Manchester also implements a Phase II Stormwater Management Plan for this watershed that provides the maintenance and monitoring incentives for measuring successful treatment of stormwater and pollutants. The City inspects all catch basins around Crystal Lake twice per year, and cleans them out at least once per year. The total volume of sediment captured and removed by this management measure is 3.6 cubic yards per year using the remaining nine catch basins.

The parking lot and access road at the Crystal Lake Beach is swept five times per year. The surrounding roads in the Crystal Lake watershed are swept at least three times per year. Although the sediment volume removed through street sweeping is not tracked, the total volume of sediment eliminated from the lake (deltas plus BMPs) and watershed since 2005 is approximately 112 cubic yards. The City of Manchester is committed to continuing the management and maintenance of the Crystal Lake BMPs as part of the Urban Ponds Restoration Program and the Phase II Stormwater Management Plan. Performance measures will continue to be reported to the NHDES on a regular basis.

Since the deltas and sources have been removed, Primary and Secondary Contact Recreation is no longer impaired by Sediment Deposits/Siltation at Crystal Lake in Manchester, New Hampshire. Consequently, Sediment Deposits/Siltation on NHLAK700060703-02-01 and

NHLAK700060703-02-02 has been delisted and moved to Category 2-G (fully supporting) for both Primary and Secondary Contact Recreation.

**GROUP 14. Removed Illicit Discharge (1)**

On the 2006 303(d), Assessment Unit NHIMP600030709-03 (Lamprey River/MaCallen dam) was listed as impaired for Primary Contact Recreation due to Escherichia coli from an illicit discharge.

A bacterial source was found on 5/18/05 to be flowing from pipe NME5300 with NME5000 as the final discharge location to the Lamprey River Impoundment created by MaCallen Dam. After video work by the town, two sources found. Those sources were disconnected in 2007. Follow up sampling revealed Escherichia coli numbers <0 and 30 cts/100mL in the pipe.

In-situ sampling from 2003 to present shows no single sample exceedences in any of the 55 samples and no geometric mean exceedences. Consequently this Assessment Unit has been delisted and moved to Category 2 (fully supporting for Primary Contact Recreation).