UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

MAY 3 1 2013

REPLY TO THE ATTENTION OF:
WW-16J

Rebecca J. Flood, Assistant Commissioner
Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, Minnesota 55155-4194

Dear Ms. Flood:

The U.S. Environmental Protection Agency has conducted a complete review of the revisions to Appendix A of the Minnesota Statewide Mercury Total Maximum Daily Load (TMDL) received by EPA on October 1, 2012. The revisions submitted for review and approval include the addition of 113 new lake and river assessment unit mercury impairments, and changes or corrections to 14 river and 12 lake assessment units.

Based on this review, EPA has determined that no revisions are being made to the original elements of the TMDL as approved on March 27, 2007, and subsequently revised on April 3, 2008 and September 28, 2010. Revisions are only proposed for Appendix A, the list of lake and river assessment units and associated impairments addressed by the TMDL. This decision solely addresses revisions to Appendix A.

Based on this review, EPA has determined that the revisions to Appendix A meet the requirement of Section 303(d) of the Clean Water Act, 33 U.S.C. Section 1313(D), and EPA's implementing regulations of 40 CFR Part 130. This approval addresses 113 new lake and river assessment units and changes or corrections to 14 river and 12 lake assessment units. The statutory and regulatory requirements, and the TMDL's compliance with these requirements, are described in the enclosed decision document.

We wish to acknowledge Minnesota's effort in submitting this revision to the Statewide Mercury TMDL. If you have any questions, please contact Mr. Peter Swenson, Chief of the Watersheds and Wetlands Branch, at 312-886-0236.

Sincerely,

Tinka G. Hyde
Director, Water Division

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Enclosure

cc: Miranda Nichols, MPCA
Jeff Risberg, MPCA

TMDL Decision Document

TMDL: 2012 Revisions to the Minnesota Statewide Mercury Total Maximum Daily Load
Date of U.S. EPA Approval: May 31, 2013

Background

On March 27, 2007, the United States Environmental Protection Agency (U.S. EPA) approved the northeast (NE) and southwest (SW) regional mercury Total Maximum Daily Loads (TMDLs) submitted by the State of Minnesota.[1] For purposes of this Decision Document, the northeast and southwest regional TMDLs approved by U.S. EPA on March 27, 2007, will be referred to as the 'original TMDL'. The original TMDL addresses water bodies not meeting the aquatic consumption designated use due to exceedances of the numeric mercury water column water quality standard (WQS) or elevated mercury concentrations in fish tissue. The mercury target for both the northeast and southwest regional TMDLs is a mercury concentration of 0.2 milligram per kilogram (mg/kg) measured as mercury concentration in fish tissue. This target is a surrogate measure for the numeric water column water quality standard of 1.3 nanograms per liter (ng/L) for the Lake Superior Basin, and 6.9 ng/L for the rest of the State.[2]

The original TMDL established a load allocation (LA) for the primary nonpoint source, atmospheric deposition. Additionally, a wasteload allocation (WLA) was calculated for point sources, including stormwater, municipal wastewater treatment facilities and industrial dischargers. An explicit margin of safety (MOS) was established for the southwest region's TMDL while an implicit margin of safety was used for the northeast region's TMDL.

The original TMDL calculated reduction factors necessary to achieve the target fish tissue mercury concentration for a standard size top predator fish. Reduction factors were determined by using the target fish tissue mercury concentration of 0.2 mg/kg and the 90th percentile fish tissue mercury concentrations in the standard size top predator fish. The highest fish tissue mercury concentration, estimated from the 90th percentile fish tissue calculations, was 0.572 mg/kg. Therefore, only water bodies that have fish tissue mercury concentrations greater than 0.2 mg/kg or equal to or less than 0.572 mg/kg are addressed by the original TMDL. Appendix A of the original TMDL identifies lake and river assessment units that are addressed.

The Minnesota Pollution Control Agency (MPCA) is continually monitoring and assessing surface water bodies to protect the integrity of Minnesota's surface water resources. Through its water quality monitoring strategy, MPCA collects and assesses new fish tissue mercury concentration data. This new data is considered during the State's two year integrated reporting cycle pursuant to Sections 305(b) and 303(d) of the Clean Water Act (CWA). There are three possible outcomes of the State's assessment of new fish tissue data.

1. A lake or river assessment unit is determined to be addressed by the original TMDL, if the fish tissue mercury concentration is greater than 0.2 mg/kg or equal to or less than 0.572 mg/kg.

[1] A copy of U.S. EPA's March 27, 2007 approval is included in this decision as Attachment 1.
[2] Refer to *"Guidance Manual for Assessing the Quality of Minnesota Surface Waters for the Determination of Impairment, 305(b) Report and 303(d) List"*, Minnesota Pollution Control Agency, 2012 Assessment Cycle, page 23, for specific descriptions of Minnesota's Integrated Report categories. For purposes of this decision document this guidance manual is referred to as the '2012 assessment methodology'.

2. A lake or river assessment unit is placed in Category 2 or 3 of Minnesota's Integrated Report due to insufficient data.

3. A lake or river assessment unit is placed in Category 5 of Minnesota's Integrated Report if the fish tissue mercury concentration is greater than 0.572 mg/kg and the water quality data meets all criteria described in MPCA's 2012 '*Guidance Manual for Assessing the Quality of Minnesota Surface Waters for the Determination of Impairment, 305(b) Report and 303(d) List"* for an impaired water body.

MPCA analyzes and assesses new fish tissue mercury concentration data every 2 years and revises the water bodies included within the Minnesota Statewide Mercury TMDL. Water bodies included within Appendix A of the original TMDL have been revised twice, once in 2008 and once in 2010. U.S. EPA approved the first revision to the original TMDL's Appendix A on April 3, 2008 (addressing the updates to Appendix A of the original TMDL from the 2008 integrated reporting cycle). These revisions are hereafter referred to as the '2008 Revision'. U.S. EPA approved the second revision to Appendix A, addressing the updates from the 2010 Integrated Report on September 28, 2010. A copy of the most recent approval, for the 2010 Revision, is attached to this Decision Document as Attachment 2.

2012 Revisions to the Minnesota Statewide Mercury Total Maximum Daily Load

On October 1, 2012 U.S. EPA received revisions to Appendix A of the original TMDL for review and approval. These revisions will be referred to as the '2012 Revision'. U.S. EPA is again approving revisions to Appendix A from the original TMDL based on information submitted by the State of Minnesota in October 2012. The 2012 Revision was completed utilizing water quality data collected and analyzed for the 2012 integrated reporting cycle. As was the case for the 2008 and 2010 Revisions, the State did not make any revisions to the TMDL targets, reduction factors, loading capacities, allocations, reduction goals or any other element of a TMDL established in the original TMDL for the 2012 revisions.

Identification of Water Bodies for the 2012 Revision:

Lake and river assessment units which have measured fish tissue mercury concentrations greater than 0.2 mg/kg or equal to or less than 0.572 mg/kg, are addressed by the original TMDL and listed in Appendix A. MPCA collected and analyzed mercury fish tissue concentration data during the 2012 integrated reporting cycle and submitted to U.S. EPA a list of water bodies with mercury fish tissue concentration data greater than 0.2 mg/kg or equal to or less than 0.572 mg/kg. In its October 1, 2012 Letter, MPCA asked U.S. EPA to approve these revisions to the Statewide Mercury TMDL.

U.S. EPA considered all readily available data and information shared by MPCA during its review of lake and river assessment unit data for the 2012 Revision. The State is not proposing to revise any other portion of the original TMDL, other than Appendix A. All other elements of the original TMDL along

with its supporting documentation remain unchanged and are not the subject of this decision.[3] The 2012 Revision will include additions to Appendix A of lake and river assessment units with fish tissue mercury concentrations greater than 0.2 mg/kg or equal to or less than 0.572 mg/kg.

The State has identified 113 new lake and river assessment units for inclusion in Appendix A.[4] U.S. EPA reviewed submitted mercury fish tissue concentration data from MPCA and determined that the water bodies submitted by MPCA are acceptable to be added to the 2012 Revision of the Statewide Mercury TMDL. The 2012 Revision was reviewed using the same U.S. EPA internal review protocols which were completed for the 2008 Revision and the 2010 Revision. The 2008, 2010 and 2012 revisions were based upon mercury fish tissue data submitted by MPCA within their integrated report submittal package to U.S. EPA.

U.S. EPA Assessment:
U.S. EPA finds the State's decision to include 113 new lake and river assessment units to Appendix A is reasonable and appropriate. Water bodies added to Appendix A were identified by the State as having fish tissue mercury concentrations greater than 0.2 mg/kg and equal to or less than 0.572 mg/kg. As discussed in the Background section of this Decision Document, water bodies having fish tissue mercury concentrations within this range are consistent with the reduction factors used to develop the original TMDL. Table 1 of this Decision Document identifies the 113 lake and river assessment units which are being added to Appendix A of the original TMDL, as revised in 2008 and 2010.

Other Changes to Appendix A for the 2012 Revision:
U.S. EPA encourages States to review previously assessed water bodies during each integrated reporting cycle. During this review, the State may determine a more appropriate way to segment a water body to reflect tributary impacts and morphological features. MPCA defines the boundaries of a river assessment unit as those which typically extend, "from one significant tributary to another or from the headwaters to the first significant tributary and is typically less than 20 miles in length. The river may be further divided into two or more assessment units when there is a change in the use classification (as defined in Minn. R. ch. 7050) or when there is a significant morphological feature such as a dam, or a lake within the river."[5] In addition to identifying new lake and river assessment unit impairments for inclusion in the revised 2012 Appendix A, the State also identified the following changes and corrections to existing lake and river assessment units already included in Appendix A.

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[3] Minnesota Pollution Control Agency memorandum, Draft 2012 List of Impaired Waters and Revisions to Appendix A of the Approved Statewide Mercury TMDL, September 2009, pages 2-3, and October 1, 2012 submittal enclosure entitled 2012 Hg TMDL Additions to Appendix A.
[4] See the following attachments to the October 1, 2012 submittal to U.S. EPA for the State's identification of 113 new lake and river assessment units: Inventory of all Impaired Waters, 2012 Hg TMDL Additions to Appendix A, and complete Appendix A.
[5] *"Guidance Manual for Assessing the Quality of Minnesota Surface Waters for the Determination of Impairment, 305(b) Report and 303(d) List"*, Minnesota Pollution Control Agency, 2012 Assessment Cycle, page 8.

Corrections to assessment units:

- Removed lake assessment unit 86-0134-00 for Maple Lake from Appendix A. Changed the lake assessment unit description for Maple Lake 86-0134-00 to *Upper Maple 86-0134-01* for the 2012 Revision to Appendix A.

Splitting of assessment units:

- Removed river assessment unit 07010204-508 from Appendix A and split the river assessment unit 07010204-508 for the *Crow River (Grove Lake to Lake Koronis)* into two new assessment units, *07010204-685* and *07010204-687*. The two new assessment units, 07010204-685 and 07010204-687 are added to the 2012 Revision to Appendix A.
- Removed river assessment unit 07020002-502 from Appendix A and split the river assessment unit 07020002-502 for the *Pomme de Terre River (Pomme de Terre Lake to Muddy (Mud) Creek)* into five new assessment units, *07020002-558*, *07020002-560*, *07020002-562*, *07020002-563* and *07020002-565*. The five new assessment units 07020002-558, 07020002-560, 07020002-562, 07020002-563 and 07020002-565 are added to the 2012 Revision of Appendix A.
- Removed river assessment unit 07040008-505 from Appendix A and split the river assessment unit 07040008-505 for the *Root River (Middle Branch)* into two new assessment units, *07040008-B95* and *07040008-B96*. The two new assessment units 07040008-B95 and 07040008-B96 are added to the 2012 Revision of Appendix A.
- Removed river assessment unit 07010202-502 from Appendix A and split the river assessment unit 07010202-502 for the *Sauk River (Lake Osakis to Sauk Lake)* into four new assessment units, *07010202-667*, *07010202-669*, *07010202-671* and *07010202-673*. The four new assessment units 07010202-667, 07010202-669, 07010202-671 and 07010202-673 are added to the 2012 Revision of Appendix A.
- Removed lake assessment unit16-0633-00 from Appendix A and split the lake assessment unit 16-0633-00 for *Saganaga Lake* into six new assessment units, *16-0633-01*, *16-0633-02*, *16-0633-05*, *16-0633-06*, *16-0633-07* and *16-0633-08*. The six new assessment units, 16-0633-01, 16-0633-02, 16-0633-05, 16-0633-06, 16-0633-07 and 16-0633-08 are added to the 2012 Revision of Appendix A.
- Removed lake assessment unit 69-0387-00 from Appendix A and split the lake assessment unit 69-0387-00 for *Vermilion Lake* into two new assessment units, *69-0378-01* and *69-0378-02*. The two new lake assessment units 69-0387-01 and 69-0387-02 are added to the 2012 Revision of Appendix A.

Combining assessment units:

- Combined two river assessment units, *Rainy River (Vermilion River to Sand Point Lake)* 09030001-501 and *Rainy River (Lac La Croix to Vermilion River)* 09030001-509 into one new assessment unit named *Rainy River (Lac La Croix to Sand Point Lake) 09030001-509*. Segment 09030001-509 is added and segment 09030001-501 is removed from the 2012 Revision of Appendix A.

U.S. EPA Assessment:
U.S. EPA finds these corrections and changes to assessment units acceptable. MPCA's review of previously assessed water bodies during the 2012 integrated reporting cycle resulted in corrections to existing assessment units, splitting lake and river assessment units and combining existing assessment units. MPCA staff communicated all corrections and changes to U.S. EPA within integrated reporting documentation. U.S. EPA recognizes that the splitting of the original assessment unit is actually a resegmentation, or a revision to the start and end points, of the assessment unit. For the purposes of tracking individual lake or river assessment units, U.S. EPA refers to the original assessment unit as being removed. Table 2 of this Decision Document identifies the changes and corrections being made through the 2012 Revision.

Public Participation for the 2012 Revision:
MPCA provided the public with the opportunity to review and comment on assessment decisions made for the 2012 Revision to the Statewide Mercury TMDL during the review of water quality data for the 2012 integrated reporting cycle. MPCA hosted seven informational meetings at various locations in the state between December 21, 2011 and January 25, 2012. These informational meetings allowed MPCA to interact with stakeholders and for MCPA staff to present updates and new approaches employed by MPCA within the 2012 integrated reporting cycle. MPCA held a 35-day public notice period from January 23, 2012 to February 27, 2012. Notice of these meetings and the 35-day public notice period were communicated to the general public through news releases, MPCA's gov.delivery emailing database, a November 2011mailing by MPCA, MPCA's website, and via a publication in the State Register.[6]

A total of thirty-nine (39) public comment letters or electronic correspondences were received by the MPCA during the public comment period for the Integrated Report. Fifteen (15) of the thirty-nine comments requested that the MPCA increase its mercury water quality monitoring efforts and endeavor to identify additional water bodies potentially impaired due to mercury concentrations. MPCA considered the comments from all fifteen comment letters and provided a general response to the commenters via its Response to Public Comments Summary document (MPCA website location, http://www.pca.state.mn.us/index.php/view-document.html?gid=18600). MPCA shared its responses to public comments with U.S. EPA in its final 2012 303(d) submittal package on October 1, 2012.

Commenter Tom Moe, on behalf of US Steel Minntac, submitted a request encouraging MPCA to reconsider the data and information utilized in designating the Minntac Tailings Basin (69-1351-00) as not attaining the water quality standards for mercury in fish tissue.[7] The commenter asserted that the Minntac Tailings Basin is not a water of the State. Additionally, The commenter communicated that US Steel Minntac had completed independent water quality sampling and had determined that mercury concentrations in fish tissue were below the water quality standard. The commenter did not provide water quality monitoring data to substantiate these claims. Upon reassessment, the MPCA concluded

[6] State Register Vol. 36 No. 27 p. 847-849, http://www.comm.media.state.mn.us/bookstore/stateregister/36_27.pdf.
[7] See January 31, 2012 E-mail correspondence from Jesse Anderson (MPCA), referencing the commenter Tom Moe, to Howard Markus and *Appendix B: MPCA's response to comments on the draft 2012 TMDL*, which was included in Minnesota's 2012 submittal (received by EPA on October 1, 2012).

that the Minntac Tailings Basin was not to remain as a Category 4A water, which would be addressed by the 2012 Revision to the Statewide Mercury TMDL. The MPCA explained that the Minntac Tailings Basin is not a water of the state and is considered part of the facility's treatment system, covered under Minntac's NPDES/SDS permit.

U.S. EPA Assessment:
U.S. EPA reviewed the public participation information submitted by the State and concluded that the MPCA adequately addressed the fifteen public comments regarding the request for additional mercury water quality monitoring. U.S. EPA also reviewed information made available by MPCA to the public for review and comment, and MPCA's announcement of the 30-day public notice period. U.S. EPA finds that the State of Minnesota's public participation process for the 2012 Revision to the Statewide Mercury TMDL provided the public with a reasonable opportunity to review and provide comments on the 2012 Revision.

Tribal Consultation

Under its tribal consultation process, EPA consults with federally-recognized tribal partners, on a government-to-government basis in instances when EPA decisions may impact tribal interests. EPA contacted federally-recognized tribal partners within the State of Minnesota to provide tribes the opportunity to consult with EPA on the 2012 Revision to the Minnesota Statewide Mercury TMDL. The Fond du Lac Band of Lake Superior Chippewa, the Grand Portage Band of Ojibwe, the Red Lake Band of Chippewa and the Upper Sioux Community of Minnesota requested tribal consultation with EPA. EPA hosted a tribal consultation conference call on April 29, 2013, during which EPA and the tribes discussed tribal concerns related to the 2012 Revision to the Minnesota Statewide Mercury TMDL and other concerns expressed by the tribes. EPA considered the tribal input during its deliberations related to the approval of the 2012 Revision to the Minnesota Statewide Mercury TMDL. EPA provided each of the participating tribes with a written response which explained how EPA considered their input in EPA's final decision on the 2012 Revision. This response was sent to the most senior tribal official involved in the consultation from the Fond du Lac Band of Lake Superior Chippewa, the Grand Portage Band of Ojibwe, the Red Lake Band of Chippewa and the Upper Sioux Community of Minnesota.

Conclusion

U.S. EPA completed a full review of the information shared by MPCA on October 1, 2012, and other appropriate supporting documentation. U.S. EPA finds that pursuant to Section 303(d) of the Clean Water Act, 33 U.S.C. Section 1313(D), and U.S. EPA's implementing regulations at 40 CFR Part 130, the 2012 Revision satisfies the elements of an approvable TMDL. This approval addresses only changes to Appendix A of the Minnesota Statewide Mercury TMDL as approved on March 27, 2007 and subsequently revised on April 3, 2008 and September 28, 2010. No other elements or documentation supporting the original TMDL, 2008 Revision, or the 2010 Revision are being revised.

This approval addresses 113 new lake and river assessment units (Table 1 of this Decision Document) not addressed in the original TMDL, the 2008 revision or the 2010 revision. This approval also recognizes corrections to one assessment unit, the splitting of six assessment units and the combining of two assessment units (Table 2 of this Decision Document). Table 3 of this Decision Document is the

complete Appendix A, as revised by this approval.

U.S. EPA's approval of the 2012 Revision extends to the lake and river assessment unit impairments identified in Tables 1 through 3 of this Decision Document, with the exception of any portions of the water bodies that are within Indian Country, as defined in 18 U.S.C. Section 1151. U.S. EPA is taking no action to approve or disapprove the State's mercury TMDLs with respect to those portions of the waters at this time. U.S. EPA, or eligible Indian Tribes, as appropriate, will retain responsibilities under Section 303(d) for those waters.

U.S. EPA's approval of the 2012 Revision does not extend to any element of the original TMDL or the 2008 Revision and 2010 Revision unless it is specifically discussed in this Decision Document. U.S. EPA's approval of the 2012 Revision does not approve any additions of impaired waters or removal of impaired waters from Minnesota's Integrated Report. U.S. EPA has issued a separate decision specific to Minnesota's 2012 Integrated Report.

Tables:
Table 1: 2012 Revised Minnesota Mercury TMDL: 2012 Additions to Appendix A
Table 2: 2012 Revised Minnesota Statewide Mercury TMDL: Corrections and Changes to Lake and River Assessment Units
Table 3: 2012 Revised Minnesota Statewide Mercury TMDL: 2012 Appendix A

Attachments:
Attachment 1: U.S. EPA's March 27, 2007 approval of Minnesota Mercury Statewide TMDL submitted to U.S. EPA on August 25, 2006
Attachment 2: U.S. EPA's September 28, 2010 approval of 2010 Revision of Minnesota Mercury Statewide TMDL submitted to U.S. EPA on April 7, 2010

Table 1: 2012 Revised Minnesota Statewide Mercury TMDL, 2012 Additions to Appendix A
Approval Date: ***May 31, 2013***

Impaired Lake or River Reach	Year Placed In Inventory	Assessment Unit ID or DNR Lake ID[1]	Pollutant or stressor	Region
Lake Assessment Units				
Lone	2012	01-0125-00	Mercury in fish tissue	NE
Spirit	2012	01-0178-00	Mercury in fish tissue	NE
Hickory	2012	01-0179-00	Mercury in fish tissue	NE
Blind	2012	01-0188-00	Mercury in fish tissue	NE
Height Of Land	2012	03-0195-00	Mercury in fish tissue	NE
Deer	2012	04-0230-00	Mercury in fish tissue	NE
Dellwater	2012	04-0331-00	Mercury in fish tissue	NE
Duck	2012	07-0053-00	Mercury in fish tissue	SW
Oak	2012	10-0093-00	Mercury in fish tissue	SW
Sugar	2012	11-0026-00	Mercury in fish tissue	NE
Big Sand	2012	11-0077-00	Mercury in fish tissue	NE
Lower Trelipe	2012	11-0129-00	Mercury in fish tissue	NE
Wabedo (Northeast Bay)	2012	11-0171-01	Mercury in fish tissue	NE
Wabedo (Southwest Bay)	2012	11-0171-02	Mercury in fish tissue	NE
Broadwater Bay	2012	11-0201-01	Mercury in fish tissue	NE
Woman (Main Lake)	2012	11-0201-02	Mercury in fish tissue	NE
Webb	2012	11-0311-00	Mercury in fish tissue	NE
Crooked	2012	11-0494-00	Mercury in fish tissue	NE
Chisago (North Bay)	2012	13-0012-01	Mercury in fish tissue	SW
Chisago (South Bay)	2012	13-0012-02	Mercury in fish tissue	SW
North Center Lake	2012	13-0032-01	Mercury in fish tissue	NE
North Center Pond	2012	13-0032-02	Mercury in fish tissue	NE
Green (Little Green)	2012	13-0041-01	Mercury in fish tissue	SW
Green (Main Basin)	2012	13-0041-02	Mercury in fish tissue	SW
Little John	2012	16-0026-00	Mercury in fish tissue	NE
Portage	2012	18-0050-00	Mercury in fish tissue	NE
Crow Wing	2012	18-0155-00	Mercury in fish tissue	NE
Upper Dean	2012	18-0170-00	Mercury in fish tissue	NE
Horseshoe (East Bay)	2012	18-0251-01	Mercury in fish tissue	NE
Horseshoe (West Bay)	2012	18-0251-02	Mercury in fish tissue	NE
Portsmouth Mine Pit	2012	18-0437-00	Mercury in fish tissue	NE
Mahnomen Mine #1	2012	18-0440-01	Mercury in fish tissue	NE
Mahnomen Mine #2	2012	18-0440-02	Mercury in fish tissue	NE
Mahnomen Mine #3	2012	18-0440-03	Mercury in fish tissue	NE
Louise Mine	2012	18-0440-04	Mercury in fish tissue	NE
Alstead Mine	2012	18-0440-06	Mercury in fish tissue	NE
Arco Mine	2012	18-0440-07	Mercury in fish tissue	NE
North Oscar	2012	21-0257-01	Mercury in fish tissue	SW
South Oscar	2012	21-0257-02	Mercury in fish tissue	SW
Red Rock	2012	21-0291-00	Mercury in fish tissue	SW
Fountain (East Bay)	2008 (2012)	24-0018-01	Mercury in fish tissue	SW

Fountain (West Bay)	2008 (2012)	24-0018-02	Mercury in fish tissue	SW
Fountain (North Bay)	2008 (2012)	24-0018-03	Mercury in fish tissue	SW
Half Moon	2012	27-0152-00	Mercury in fish tissue	SW
North Whaletail	2012	27-0184-01	Mercury in fish tissue	SW
South Whaletail	2012	27-0184-02	Mercury in fish tissue	SW
Garfield	2012	29-0061-00	Mercury in fish tissue	NE
Midge	2012	29-0066-00	Mercury in fish tissue	NE
Crow Wing #4	2012	29-0078-00	Mercury in fish tissue	SW
Waboose	2012	29-0098-00	Mercury in fish tissue	NE
Pickerel	2012	29-0178-00	Mercury in fish tissue	NE
Schoolcraft	2012	29-0215-00	Mercury in fish tissue	NE
Shallow	2012	31-0084-00	Mercury in fish tissue	NE
Thistledew	2012	31-0158-00	Mercury in fish tissue	NE
Little Ball Club	2012	31-0822-00	Mercury in fish tissue	NE
Dixon	2012	31-0921-00	Mercury in fish tissue	NE
Games	2012	34-0224-00	Mercury in fish tissue	SW
East Solomon	2012	34-0246-00	Mercury in fish tissue	SW
Teufer	2012	36-0019-00	Mercury in fish tissue	NE
Wye	2012	38-0042-00	Mercury in fish tissue	NE
Nicado	2012	38-0230-00	Mercury in fish tissue	NE
Bog	2012	38-0443-00	Mercury in fish tissue	NE
Upper Sakatah	2012	40-0002-00	Mercury in fish tissue	SW
Gorman	2012	40-0032-00	Mercury in fish tissue	SW
North Twin	2012	44-0023-00	Mercury in fish tissue	NE
Island	2012	44-0038-00	Mercury in fish tissue	SW
Shamineau	2012	49-0127-00	Mercury in fish tissue	NE
Fish	2012	56-0066-00	Mercury in fish tissue	SW
West Leaf	2012	56-0114-00	Mercury in fish tissue	SW
East Leaf	2012	56-0116-02	Mercury in fish tissue	SW
Blanche	2012	56-0240-00	Mercury in fish tissue	SW
Rose	2012	56-0360-00	Mercury in fish tissue	SW
Oak	2012	58-0048-00	Mercury in fish tissue	NE
Pokegama	2012	58-0142-00	Mercury in fish tissue	SW
Reno	2012	61-0078-00	Mercury in fish tissue	SW
Phalen	2012	62-0013-00	Mercury in fish tissue	SW
Bennett	2012	62-0048-00	Mercury in fish tissue	SW
Silver	2012	62-0083-00	Mercury in fish tissue	SW
Cannon	2012	66-0008-00	Mercury in fish tissue	SW
Wells	2012	66-0010-00	Mercury in fish tissue	SW
Lower Sakatah	2012	66-0044-00	Mercury in fish tissue	SW
West Robinson	2012	69-0217-00	Mercury in fish tissue	NE
Dinham	2012	69-0544-00	Mercury in fish tissue	NE
Mcmahon	2012	70-0050-00	Mercury in fish tissue	SW
Pearl	2012	73-0037-00	Mercury in fish tissue	SW
Pelican	2012	73-0118-00	Mercury in fish tissue	SW
Camp	2012	76-0072-00	Mercury in fish tissue	SW
Reeds	2012	81-0055-00	Mercury in fish tissue	SW
Battle Creek	2012	82-0091-00	Mercury in fish tissue	SW

River Assessment Units				
Yellow Medicine River	2012	07020004-502	Mercury in fish tissue	SW
Yellow Medicine River, South Branch (County Ditch 35)	2012	07020004-503	Mercury in fish tissue	SW
Yellow Medicine River	2012	07020004-513	Mercury in fish tissue	SW
Yellow Medicine River	2012	07020004-541	Mercury in fish tissue	SW
Yellow Medicine River, North Branch	2012	07020004-542	Mercury in fish tissue	SW
Yellow Medicine River	2012	07020004-584	Mercury in fish tissue	SW
Sunrise River, North Branch	2012	07030005-501	Mercury in fish tissue	SW
Sunrise River	2012	07030005-542	Mercury in fish tissue	SW
Sunrise River	2012	07030005-543	Mercury in fish tissue	SW
Vermillion River	2012	07040001-507	Mercury in fish tissue	SW
Vermillion River	2012	07040001-516	Mercury in fish tissue	SW
Vermillion River	2012	07040001-517	Mercury in fish tissue	SW
Vermillion River	2012	07040001-691	Mercury in fish tissue	SW
Vermillion River	2012	07040001-692	Mercury in fish tissue	SW
Bois de Sioux River	2012	09020101-501	Mercury in fish tissue	SW
Bois de Sioux River	2012	09020101-503	Mercury in fish tissue	SW
Buffalo River	2012	09020106-501	Mercury in fish tissue	SW
Big Fork River	2012	09030006-501	Mercury in fish tissue	NE
Big Fork River	2012	09030006-502	Mercury in fish tissue	NE
Big Fork River	2012	09030006-503	Mercury in fish tissue	NE
Big Fork River	2012	09030006-504	Mercury in fish tissue	NE
Big Fork River	2012	09030006-505	Mercury in fish tissue	NE
Big Fork River	2012	09030006-506	Mercury in fish tissue	NE
Big Fork River	2012	09030006-507	Mercury in fish tissue	NE

[1]= The waterbodies in Appendix A have fish tissue concentrations greater than 0.2 mg/kg and equal to or less than 0.572 mg/kg. Fish tissue concentrations that exceed 0.572 mg/kg are not eligible to be included in the Mercury TMDL and will be added to the draft TMDL List.

* The MPCA Mercury TMDL was originally approved on March 27, 2007 and revisions to Appendix A were approved on April 3, 2008 & September 28, 2010.

* The waterbodies in Appendix A have fish tissue concentrations greater than 0.2 mg/kg and equal to or less than 0.572 mg/kg. Fish tissue concentrations that exceed 0.572 mg/kg are not eligible to be included in the Mercury TMDL and will be added to the draft TMDL List.

* It is important to note that the Hg TMDL documentation and reduction goals, etc., are NOT being changed; only Appendix A is being modified.

Table 2: 2012 Revised Minnesota Statewide Mercury TMDL, Corrections and Changes to Lake and River Assessment Units
Approval Date: ***May 31, 2013***

2010 Final Revision TMDL		2012 Revision	
Impaired Lake or River Reach	**Assessment Unit ID or DNR Lake ID**	**Impaired Lake or River Reach**	**Assessment Unit ID or DNR Lake ID**
Lake Assessment Units			
Saganaga	*16-0633-00*	Saganaga	16-0633-01
		Saganaga	16-0633-02
		Saganaga	16-0633-05
		Saganaga	16-0633-06
		Saganaga	16-0633-07
		Saganaga	16-0633-08
Segments were not included in 2010 revision, should have been added at that time	*Correction included in 2012 revision*	Fountain (East Bay)	24-0018-01
		Fountain (West Bay)	24-0018-02
		Fountain (North Bay)	24-0018-02
Maple Lake	*86-0134-00*	Upper Maple	86-0134-01
Vermilion	*69-0387-00*	Vermilion (East)	69-0378-01
		Vermilion (West)	69-0378-02
River Assessment Units			
Crow River, North Fork, Headwaters (Grove Lake to Lake Koronis)	*07010204-508*	Crow River, North Fork (Headwaters, Grove Lake 61-0023-00, to Rice Lake)	07010204-685
		Crow River, North Fork (Rice Lake to Lake Koronis)	07010204-687
Pomme de Terre River, Pomme de Terre Lake to Muddy (Mud) Creek	*07020002-502*	Pomme de Terre River (North Pomme de Terre Lake to Middle Pomme de Terre Lake)	07020002-558
		Pomme de Terre River (Middle Pomme de Terre Lake to Perkins Lake)	07020002-560
		Pomme de Terre River (Perkins Lake to Muddy (Mud) Creek)	07020002-562
		Pomme de Terre River (Pomme de Terre Lake to North Pomme de Terre Lake)	07020002-563
		Pomme de Terre River (Pomme de Terre Lake to Barrett Lake)	07020002-565
Root River, Middle Branch	*07040008-505*	Root River, Middle Branch (Bear Creek to T103R12W S9 north line)	07040008-B95
		Root River, Middle Branch (T103R12W S4 south line to Upper Bear Creek)	07040008-B96
Rainy River (Vermilion River to Sand Point Lake)	*09030001-501*	Rainy River (Lac La Croix to Sand Point Lake)	09030001-509
Rainy River (Lac La Croix to Vermilion River)	*09030001-509*		

Table 2: 2012 Revised Minnesota Statewide Mercury TMDL, Corrections and Changes to Lake and River Assessment Units *(Continued)*

2010 Final Revision TMDL		2012 Revision	
Impaired Lake or River Reach	**Assessment Unit ID or DNR Lake ID**	**Impaired Lake or River Reach**	**Assessment Unit ID or DNR Lake ID**
River Assessment Units			
Sauk River, Headwaters (Lake Osakis, 77-0215-00) to Sauk Lake	*07010202-502*	Sauk River (Headwaters, Lake Osakis 77-0215-00 to Guernsey Lake)	07010202-667
		Sauk River (Guernsey Lake to Little Sauk Lake)	07010202-669
		Sauk River (Little Sauk Lake to Juergens Lake)	07010202-671
		Sauk River (Juergens Lake to Sauk Lake)	07010202-673

Table 3: 2012 Revised Minnesota Statewide Mercury TMDL, 2012 Appendix A
Approval Date: ***May 31, 2013***

Impaired Lake or River Reach	Year Placed In Inventory	Assessment Unit ID or DNR Lake ID[1]	Pollutant or stressor	Region
Lake Assessment Units				
Minnewawa	1998	01-0033-00	Mercury in fish tissue	NE
Big Sandy	1998	01-0062-00	Mercury in fish tissue	NE
Clear	1998	01-0093-00	Mercury in fish tissue	NE
Dam	1998	01-0096-00	Mercury in fish tissue	NE
Gun	2010	01-0099-00	Mercury in fish tissue	NE
Elm Island	2010	01-0123-00	Mercury in fish tissue	NE
Lone	2012	01-0125-00	Mercury in fish tissue	NE
Waukenabo	2010	01-0136-00	Mercury in fish tissue	NE
Hill (North Basin)	1998	01-0142-01	Mercury in fish tissue	NE
Hill (South Basin)	1998	01-0142-02	Mercury in fish tissue	NE
Farm Island	1998	01-0159-00	Mercury in fish tissue	NE
Hammal	2010	01-0161-00	Mercury in fish tissue	NE
Hanging Kettle	2010	01-0170-00	Mercury in fish tissue	NE
Spirit	2012	01-0178-00	Mercury in fish tissue	NE
Hickory	2012	01-0179-00	Mercury in fish tissue	NE
Pickerel	1998	01-0182-00	Mercury in fish tissue	NE
Blind	2012	01-0188-00	Mercury in fish tissue	NE
Round	1998	01-0204-00	Mercury in fish tissue	NE
Cedar (Main Basin)	1998	01-0209-01	Mercury in fish tissue	NE
Cedar (Northeast Arm)	1998	01-0209-02	Mercury in fish tissue	NE
Cedar (West Bay)	1998	01-0209-03	Mercury in fish tissue	NE
Otter	2010	02-0003-00	Mercury in fish tissue	SW
Peltier	1998	02-0004-00	Mercury in fish tissue	SW
Coon	2006	02-0042-00	Mercury in fish tissue	SW
Golden	2010	02-0045-00	Mercury in fish tissue	SW
Ham	2008	02-0053-00	Mercury in fish tissue	SW
Crooked	2008	02-0084-00	Mercury in fish tissue	SW
George	1998	02-0091-00	Mercury in fish tissue	SW
East Twin	2008	02-0133-00	Mercury in fish tissue	SW
Straight	1998	03-0010-00	Mercury in fish tissue	NE
Two Inlets	2004	03-0017-00	Mercury in fish tissue	NE
Bad Medicine	1998	03-0085-00	Mercury in fish tissue	NE
Toad	1998	03-0107-00	Mercury in fish tissue	NE
Island	2010	03-0153-00	Mercury in fish tissue	NE
Many Point	1998	03-0158-00	Mercury in fish tissue	NE
Height Of Land	2012	03-0195-00	Mercury in fish tissue	NE
Cotton	1998	03-0286-00	Mercury in fish tissue	NE
Strawberry	2010	03-0323-00	Mercury in fish tissue	NE
White Earth	1998	03-0328-00	Mercury in fish tissue	SW
Sallie	2010	03-0359-00	Mercury in fish tissue	SW
Muskrat	1998	03-0360-00	Mercury in fish tissue	SW
Detroit	1998	03-0381-00	Mercury in fish tissue	SW

Mud	2002	03-0387-01	Mercury in fish tissue	SW
Floyd (South Bay)	2002	03-0387-02	Mercury in fish tissue	SW
Big Cormorant	1998	03-0576-00	Mercury in fish tissue	SW
Ida	1998	03-0582-00	Mercury in fish tissue	SW
Kitchi	1998	04-0007-00	Mercury in fish tissue	NE
Cass	1998	04-0030-00	Mercury in fish tissue	NE
Pimushe	2010	04-0032-00	Mercury in fish tissue	NE
Rabideau	2010	04-0034-00	Mercury in fish tissue	NE
Red (Upper Red)	2002	04-0035-01	Mercury in fish tissue	NE
Red (Lower Red)	2002	04-0035-02	Mercury in fish tissue	NE
Andrusia	1998	04-0038-00	Mercury in fish tissue	NE
Windigo	2008	04-0048-00	Mercury in fish tissue	NE
Big	1998	04-0049-00	Mercury in fish tissue	NE
South Twin	1998	04-0053-00	Mercury in fish tissue	NE
Blackduck	1998	04-0069-00	Mercury in fish tissue	NE
Wolf	2002	04-0079-00	Mercury in fish tissue	NE
Swenson	1998	04-0085-00	Mercury in fish tissue	NE
Turtle River	1998	04-0111-00	Mercury in fish tissue	NE
Gull	2010	04-0120-00	Mercury in fish tissue	NE
Sandy	2006	04-0124-00	Mercury in fish tissue	NE
Bemidji	1998	04-0130-00	Mercury in fish tissue	NE
Stump	1998	04-0130-01	Mercury in fish tissue	NE
Big Bass (West Basin)	2006	04-0132-01	Mercury in fish tissue	NE
Big Bass (East Basin)	2006	04-0132-02	Mercury in fish tissue	NE
Beltrami	2008	04-0135-00	Mercury in fish tissue	NE
Marquette	2010	04-0142-00	Mercury in fish tissue	NE
Movil	2010	04-0152-00	Mercury in fish tissue	NE
Turtle	2006	04-0159-00	Mercury in fish tissue	NE
Julia	1998	04-0166-00	Mercury in fish tissue	NE
Deer	2012	04-0230-00	Mercury in fish tissue	NE
Balm	2008	04-0329-00	Mercury in fish tissue	NE
Dellwater	2012	04-0331-00	Mercury in fish tissue	NE
Clearwater	1998	04-0343-00	Mercury in fish tissue	NE
Mayhew	1998	05-0007-00	Mercury in fish tissue	SW
Little Rock	1998	05-0013-00	Mercury in fish tissue	SW
Marsh	1998	06-0001-00	Mercury in fish tissue	SW
Artichoke	1998	06-0002-00	Mercury in fish tissue	SW
Long Tom	2002	06-0029-00	Mercury in fish tissue	SW
East Toqua	2004	06-0138-00	Mercury in fish tissue	SW
Big Stone	2006	06-0152-00	Mercury in fish tissue	SW
Madison	1998	07-0044-00	Mercury in fish tissue	SW
Duck	2012	07-0053-00	Mercury in fish tissue	SW
Lura	2002	07-0079-00	Mercury in fish tissue	SW
Loon	1998	07-0096-00	Mercury in fish tissue	SW
Hiniker Pond	1998	07-0147-00	Mercury in fish tissue	SW
Chub	2010	09-0008-00	Mercury in fish tissue	NE
Park	2002	09-0029-00	Mercury in fish tissue	NE
Little Hanging Horn	2002	09-0035-00	Mercury in fish tissue	NE

Eagle	1998	09-0057-00	Mercury in fish tissue	NE
Lotus	2002	10-0006-00	Mercury in fish tissue	SW
Lucy	2002	10-0007-00	Mercury in fish tissue	SW
Minnewashta	2004	10-0009-00	Mercury in fish tissue	SW
Ann	2002	10-0012-00	Mercury in fish tissue	SW
Susan	1998	10-0013-00	Mercury in fish tissue	SW
Virginia	2006	10-0015-00	Mercury in fish tissue	SW
Zumbra-Sunny	1998	10-0041-00	Mercury in fish tissue	SW
Wassermann	1998	10-0048-00	Mercury in fish tissue	SW
Reitz	2008	10-0052-00	Mercury in fish tissue	SW
Waconia	1998	10-0059-00	Mercury in fish tissue	SW
Hydes	2004	10-0088-00	Mercury in fish tissue	SW
Oak	2012	10-0093-00	Mercury in fish tissue	SW
Eagle	2006	10-0121-00	Mercury in fish tissue	SW
Sugar	2012	11-0026-00	Mercury in fish tissue	NE
Washburn	1998	11-0059-00	Mercury in fish tissue	NE
Big Sand	2012	11-0077-00	Mercury in fish tissue	NE
Inguadona (North Bay)	1998	11-0120-01	Mercury in fish tissue	NE
Inguadona (SouthBay)	1998	11-0120-02	Mercury in fish tissue	NE
Lower Trelipe	2012	11-0129-00	Mercury in fish tissue	NE
Long (South of Main Basin)	1998	11-0142-01	Mercury in fish tissue	NE
Long (Main Basin)	1998	11-0142-02	Mercury in fish tissue	NE
Long (North of Main Basin)	1998	11-0142-03	Mercury in fish tissue	NE
Long (Southwest Bay)	1998	11-0142-04	Mercury in fish tissue	NE
Six Mile	1998	11-0146-00	Mercury in fish tissue	NE
Winnibigoshish	1998	11-0147-00	Mercury in fish tissue	NE
Little Boy	1998	11-0167-00	Mercury in fish tissue	NE
Wabedo (Northeast Bay)	2012	11-0171-01	Mercury in fish tissue	NE
Wabedo (Southwest Bay)	2012	11-0171-02	Mercury in fish tissue	NE
Girl	1998	11-0174-00	Mercury in fish tissue	NE
Broadwater Bay	2012	11-0201-01	Mercury in fish tissue	NE
Woman (Main Lake)	2012	11-0201-02	Mercury in fish tissue	NE
Leech (Main Basin)	1998	11-0203-01	Mercury in fish tissue	NE
Leech (Kabekona Bay)	1998	11-0203-02	Mercury in fish tissue	NE
Leech (Ah-Gwah-Ching Bay)	1998	11-0203-03	Mercury in fish tissue	NE
Leech (Shingobee Bay)	1998	11-0203-04	Mercury in fish tissue	NE
Portage	2010	11-0204-00	Mercury in fish tissue	NE
Ada	2002	11-0250-00	Mercury in fish tissue	NE
Trillium (Lizard)	1998	11-0270-00	Mercury in fish tissue	NE
Blackwater	2010	11-0274-00	Mercury in fish tissue	NE
Baby	1998	11-0283-00	Mercury in fish tissue	NE
Sylvan (Southwest Bay)	1998	11-0304-01	Mercury in fish tissue	NE
Sylvan (Northeast Bay)	1998	11-0304-02	Mercury in fish tissue	NE
Gull	1998	11-0305-00	Mercury in fish tissue	NE
Big Portage (West Bay)	2010	11-0308-01	Mercury in fish tissue	NE
Big Portage (East Bay)	2010	11-0308-02	Mercury in fish tissue	NE
Webb	2012	11-0311-00	Mercury in fish tissue	NE
Stony	2010	11-0371-00	Mercury in fish tissue	NE

Pleasant	2004	11-0383-00	Mercury in fish tissue	NE
Pine Mountain	1998	11-0411-00	Mercury in fish tissue	NE
Pike Bay	1998	11-0415-00	Mercury in fish tissue	NE
Crooked	2012	11-0494-00	Mercury in fish tissue	NE
Crystal	2008	11-0502-00	Mercury in fish tissue	NE
Little Wolf	1998	11-0505-00	Mercury in fish tissue	NE
Chisago (North Bay)	2012	13-0012-01	Mercury in fish tissue	SW
Chisago (South Bay)	2012	13-0012-02	Mercury in fish tissue	SW
South Center	2010	13-0027-00	Mercury in fish tissue	SW
North Center Lake	2012	13-0032-01	Mercury in fish tissue	
North Center Pond	2012	13-0032-02	Mercury in fish tissue	
Little	2010	13-0033-00	Mercury in fish tissue	SW
Green (Little Green)	2012	13-0041-01	Mercury in fish tissue	SW
Green (Main Basin)	2012	13-0041-02	Mercury in fish tissue	SW
Comfort	1998	13-0053-00	Mercury in fish tissue	SW
Fish	1998	13-0068-00	Mercury in fish tissue	SW
Rush (East Bay)	2002	13-0069-01	Mercury in fish tissue	SW
Rush (West Bay)	2002	13-0069-02	Mercury in fish tissue	SW
Elk	1998	15-0010-00	Mercury in fish tissue	NE
Itasca	1998	15-0016-00	Mercury in fish tissue	NE
Long Lost	2006	15-0068-00	Mercury in fish tissue	NE
Minerva	1998	15-0079-00	Mercury in fish tissue	NE
Lomond	1998	15-0081-00	Mercury in fish tissue	NE
Moosehorn	1998	16-0015-00	Mercury in fish tissue	NE
Tom	1998	16-0019-00	Mercury in fish tissue	NE
Tom	1998	16-0019-00	Mercury in water column	NE
Esther	1998	16-0023-00	Mercury in fish tissue	NE
Little John	2012	16-0026-00	Mercury in fish tissue	NE
Chester	1998	16-0033-00	Mercury in fish tissue	NE
South Fowl	1998	16-0034-00	Mercury in fish tissue	NE
John	1998	16-0035-00	Mercury in fish tissue	NE
North Fowl	2002	16-0036-00	Mercury in fish tissue	NE
Pine	2004	16-0041-00	Mercury in fish tissue	NE
East Pike	1998	16-0042-00	Mercury in fish tissue	NE
Moose	1998	16-0043-00	Mercury in fish tissue	NE
Trout	1998	16-0049-00	Mercury in fish tissue	NE
Carrot	1998	16-0071-00	Mercury in fish tissue	NE
Greenwood	1998	16-0077-00	Mercury in fish tissue	NE
Greenwood	1998	16-0077-00	Mercury in water column	NE
West Pike	1998	16-0086-00	Mercury in fish tissue	NE
Northern Light	1998	16-0089-00	Mercury in fish tissue	NE
Northern Light	1998	16-0089-00	Mercury in water column	NE
Elbow	1998	16-0096-00	Mercury in fish tissue	NE
Elbow	1998	16-0096-00	Mercury in water column	NE
Alder	1998	16-0114-00	Mercury in fish tissue	NE
Crocodile	1998	16-0119-00	Mercury in fish tissue	NE
Swamper	1998	16-0128-00	Mercury in fish tissue	NE
Jim	1998	16-0135-00	Mercury in fish tissue	NE

Clearwater	1998	16-0139-00	Mercury in fish tissue	NE
Devil Track	1998	16-0143-00	Mercury in fish tissue	NE
Devil Track	1998	16-0143-00	Mercury in water column	NE
East Bearskin	1998	16-0146-00	Mercury in fish tissue	NE
Flour	1998	16-0147-00	Mercury in fish tissue	NE
Pit	1998	16-0155-00	Mercury in fish tissue	NE
Two Island	1998	16-0156-00	Mercury in fish tissue	NE
Little Trout	2004	16-0170-00	Mercury in fish tissue	NE
Kemo	1998	16-0188-00	Mercury in fish tissue	NE
Thrush	1998	16-0191-00	Mercury in fish tissue	NE
Thrasher	1998	16-0192-00	Mercury in fish tissue	NE
Pine	1998	16-0194-00	Mercury in fish tissue	NE
Wampus	1998	16-0196-00	Mercury in fish tissue	NE
Aspen	1998	16-0204-00	Mercury in fish tissue	NE
Swamp	1998	16-0215-00	Mercury in fish tissue	NE
Hungry Jack	1998	16-0227-00	Mercury in fish tissue	NE
Bearskin	1998	16-0228-00	Mercury in fish tissue	NE
Duncan	2004	16-0232-00	Mercury in fish tissue	NE
McDonald	1998	16-0235-00	Mercury in fish tissue	NE
McDonald	1998	16-0235-00	Mercury in water column	NE
Poplar	1998	16-0239-00	Mercury in fish tissue	NE
Dunn	1998	16-0245-00	Mercury in fish tissue	NE
Mark	1998	16-0250-00	Mercury in fish tissue	NE
Pike	1998	16-0252-00	Mercury in fish tissue	NE
Deer Yard	1998	16-0253-00	Mercury in fish tissue	NE
Iron	2002	16-0328-00	Mercury in fish tissue	NE
North	1998	16-0331-00	Mercury in fish tissue	NE
Mayhew	1998	16-0337-00	Mercury in fish tissue	NE
West Pope	2002	16-0341-00	Mercury in fish tissue	NE
Cascade	1998	16-0346-00	Mercury in fish tissue	NE
Brule	1998	16-0348-00	Mercury in fish tissue	NE
Winchell	1998	16-0354-00	Mercury in fish tissue	NE
Little Iron	2002	16-0355-00	Mercury in fish tissue	NE
Barker	1998	16-0358-00	Mercury in fish tissue	NE
Caribou	1998	16-0360-00	Mercury in fish tissue	NE
Clara	1998	16-0365-00	Mercury in fish tissue	NE
White Pine	2002	16-0369-00	Mercury in fish tissue	NE
Christine	1998	16-0373-00	Mercury in fish tissue	NE
Kinogami	2006	16-0378-00	Mercury in fish tissue	NE
Gust	1998	16-0380-00	Mercury in fish tissue	NE
Lichen	1998	16-0382-00	Mercury in fish tissue	NE
Bouder	2010	16-0383-00	Mercury in fish tissue	NE
Tait	1998	16-0384-00	Mercury in fish tissue	NE
Homer	1998	16-0406-00	Mercury in fish tissue	NE
Homer	1998	16-0406-00	Mercury in water column	NE
Extortion	2002	16-0450-00	Mercury in fish tissue	NE
Crescent	1998	16-0454-00	Mercury in fish tissue	NE
Moore	1998	16-0489-00	Mercury in fish tissue	NE

Sawbill	1998	16-0496-00	Mercury in fish tissue	NE
Sawbill	1998	16-0496-00	Mercury in water column	NE
Frost	1998	16-0571-00	Mercury in fish tissue	NE
Meditation	2002	16-0583-00	Mercury in fish tissue	NE
Round	1998	16-0606-00	Mercury in fish tissue	NE
Alton	1998	16-0622-00	Mercury in fish tissue	NE
Saganaga	1998	16-0633-01	Mercury in fish tissue	NE
Saganaga	1998	16-0633-02	Mercury in fish tissue	NE
Saganaga	1998	16-0633-05	Mercury in fish tissue	NE
Saganaga	1998	16-0633-06	Mercury in fish tissue	NE
Saganaga	1998	16-0633-07	Mercury in fish tissue	NE
Saganaga	1998	16-0633-08	Mercury in fish tissue	NE
Dyers	2002	16-0634-00	Mercury in fish tissue	NE
Four Mile	1998	16-0639-00	Mercury in fish tissue	NE
Toohey	1998	16-0645-00	Mercury in fish tissue	NE
Finger	1998	16-0646-00	Mercury in fish tissue	NE
Kelso	2010	16-0706-00	Mercury in fish tissue	NE
Crooked	1998	16-0723-00	Mercury in fish tissue	NE
Gillis	1998	16-0753-00	Mercury in fish tissue	NE
Jasper	1998	16-0768-00	Mercury in fish tissue	NE
Red Rock	1998	16-0793-00	Mercury in fish tissue	NE
Elbow	1998	16-0805-00	Mercury in fish tissue	NE
Little Saganaga	1998	16-0809-00	Mercury in fish tissue	NE
Gabimichigami	1998	16-0811-00	Mercury in fish tissue	NE
Mountain	1998	17-0003-00	Mercury in fish tissue	SW
Borden	2006	18-0020-00	Mercury in fish tissue	NE
Bay	1998	18-0034-00	Mercury in fish tissue	NE
Clearwater	2010	18-0038-00	Mercury in fish tissue	NE
Portage	2012	18-0050-00	Mercury in fish tissue	NE
Platte	2006	18-0088-00	Mercury in fish tissue	NE
Serpent	2010	18-0090-00	Mercury in fish tissue	NE
Rabbit (East Portion)	2002	18-0093-01	Mercury in fish tissue	NE
Rabbit (West Portion)	2006	18-0093-02	Mercury in fish tissue	NE
Nokay	2010	18-0104-00	Mercury in fish tissue	NE
Black Hoof	1998	18-0117-00	Mercury in fish tissue	NE
Rice	1998	18-0145-00	Mercury in fish tissue	NE
Crow Wing	2012	18-0155-00	Mercury in fish tissue	NE
Sebie	2010	18-0161-00	Mercury in fish tissue	NE
Upper Dean	2012	18-0170-00	Mercury in fish tissue	NE
Ruth	1998	18-0212-00	Mercury in fish tissue	NE
Horseshoe (East Bay)	2012	18-0251-01	Mercury in fish tissue	NE
Horseshoe (West Bay)	2012	18-0251-02	Mercury in fish tissue	NE
West Fox	2010	18-0297-00	Mercury in fish tissue	NE
Edward	1998	18-0305-00	Mercury in fish tissue	NE
Pelican	1998	18-0308-00	Mercury in fish tissue	NE
Whitefish	1998	18-0310-00	Mercury in fish tissue	NE
Cross Lake Reservoir	2008	18-0312-00	Mercury in fish tissue	NE
North Long	1998	18-0372-00	Mercury in fish tissue	NE

Round	1998	18-0373-00	Mercury in fish tissue	NE
Red Sand	2010	18-0386-00	Mercury in fish tissue	NE
Lower Cullen	2002	18-0403-00	Mercury in fish tissue	NE
Upper Hay	2010	18-0412-00	Mercury in fish tissue	NE
Portsmouth Mine Pit	2012	18-0437-00	Mercury in fish tissue	NE
Mahnomen Mine #1	2012	18-0440-01	Mercury in fish tissue	NE
Mahnomen Mine #2	2012	18-0440-02	Mercury in fish tissue	NE
Mahnomen Mine #3	2012	18-0440-03	Mercury in fish tissue	NE
Louise Mine	2012	18-0440-04	Mercury in fish tissue	NE
Alstead Mine	2012	18-0440-06	Mercury in fish tissue	NE
Arco Mine	2012	18-0440-07	Mercury in fish tissue	NE
Rebecca	1998	19-0003-00	Mercury in fish tissue	SW
Byllesby	2010	19-0006-00	Mercury in fish tissue	SW
Marion (East Bay)	1998	19-0026-01	Mercury in fish tissue	SW
Marion (Middle Bay)	1998	19-0026-02	Mercury in fish tissue	SW
Marion (West Bay)	1998	19-0026-03	Mercury in fish tissue	SW
Orchard	1998	19-0031-00	Mercury in fish tissue	SW
Blackhawk	2006	19-0059-00	Mercury in fish tissue	SW
Pickerel	2010	19-0079-00	Mercury in fish tissue	SW
Unnamed Pond	2008	19-0136-00	Mercury in fish tissue	SW
Laclavon	1998	19-0446-00	Mercury in fish tissue	SW
Burgen	1998	21-0049-00	Mercury in fish tissue	SW
Geneva	2010	21-0052-00	Mercury in fish tissue	SW
Agnes	2008	21-0053-00	Mercury in fish tissue	SW
Victoria	1998	21-0054-00	Mercury in fish tissue	SW
Le Homme Dieu	1998	21-0056-00	Mercury in fish tissue	SW
Irene	2008	21-0076-00	Mercury in fish tissue	SW
Maple	1998	21-0079-00	Mercury in fish tissue	SW
Darling	2008	21-0080-00	Mercury in fish tissue	SW
Miltona	1998	21-0083-00	Mercury in fish tissue	SW
Andrew	1998	21-0085-00	Mercury in fish tissue	SW
Mary	1998	21-0092-00	Mercury in fish tissue	SW
Latoka (North Bay)	1998	21-0106-01	Mercury in fish tissue	SW
Latoka (South Bay)	1998	21-0106-02	Mercury in fish tissue	SW
Ida	1998	21-0123-00	Mercury in fish tissue	SW
Lobster (East Bay)	1998	21-0144-01	Mercury in fish tissue	SW
Lobster (West Bay)	1998	21-0144-02	Mercury in fish tissue	SW
Chippewa	1998	21-0145-00	Mercury in fish tissue	SW
Whiskey	2002	21-0216-00	Mercury in fish tissue	SW
North Oscar	2012	21-0257-01	Mercury in fish tissue	SW
South Oscar	2012	21-0257-02	Mercury in fish tissue	SW
Red Rock	2012	21-0291-00	Mercury in fish tissue	SW
Christina	2002	21-0375-00	Mercury in fish tissue	SW
Bass	1998	22-0074-00	Mercury in fish tissue	SW
Fountain (East Bay)	2012	24-0018-01	Mercury in fish tissue	SW
Fountain (West Bay)	2012	24-0018-02	Mercury in fish tissue	SW
Fountain (North Bay)	2012	24-0018-03	Mercury in fish tissue	SW
Pelican	1998	26-0002-00	Mercury in fish tissue	SW

Barrett	1998	26-0095-00	Mercury in fish tissue	SW
Pomme de Terre	2006	26-0097-00	Mercury in fish tissue	SW
Snelling	1998	27-0001-00	Mercury in fish tissue	SW
Powderhorn	2006	27-0014-00	Mercury in fish tissue	SW
Nokomis	1998	27-0019-00	Mercury in fish tissue	SW
Wirth	1998	27-0037-00	Mercury in fish tissue	SW
Brownie	1998	27-0038-00	Mercury in fish tissue	SW
Lake of the Isles	1998	27-0040-00	Mercury in fish tissue	SW
Upper Twin	1998	27-0042-01	Mercury in fish tissue	SW
Middle Twin	1998	27-0042-02	Mercury in fish tissue	SW
Lower Twin	1998	27-0042-03	Mercury in fish tissue	SW
Bush	1998	27-0047-00	Mercury in fish tissue	SW
Bryant	2002	27-0067-00	Mercury in fish tissue	SW
Round	2002	27-0071-00	Mercury in fish tissue	SW
Smetana	2008	27-0073-00	Mercury in fish tissue	SW
Red Rock	2002	27-0076-00	Mercury in fish tissue	SW
Medicine	2004	27-0104-00	Mercury in fish tissue	SW
Eagle	1998	27-0111-01	Mercury in fish tissue	SW
Pike	1998	27-0111-02	Mercury in fish tissue	SW
Weaver	1998	27-0117-00	Mercury in fish tissue	SW
Fish	2010	27-0118-00	Mercury in fish tissue	SW
Minnetonka (Grays Bay)	1998	27-0133-01	Mercury in fish tissue	SW
Minnetonka (Lower Lake)	1998	27-0133-02	Mercury in fish tissue	SW
Minnetonka (Carsons Bay)	1998	27-0133-03	Mercury in fish tissue	SW
Minnetonka (St Albans Bay)	1998	27-0133-04	Mercury in fish tissue	SW
Minnetonka (Upper Lake)	1998	27-0133-05	Mercury in fish tissue	SW
Minnetonka (Black Lake)	1998	27-0133-06	Mercury in fish tissue	SW
Minnetonka (Seton Lake)	1998	27-0133-07	Mercury in fish tissue	SW
Minnetonka (Emerald Lake)	1998	27-0133-08	Mercury in fish tissue	SW
Minnetonka (Halsteds Bay)	1998	27-0133-09	Mercury in fish tissue	SW
Minnetonka (Crystal Bay)	1998	27-0133-10	Mercury in fish tissue	SW
Minnetonka (Maxwell Bay)	1998	27-0133-11	Mercury in fish tissue	SW
Minnetonka (Stubbs Bay)	1998	27-0133-12	Mercury in fish tissue	SW
Minnetonka (North Arm)	1998	27-0133-13	Mercury in fish tissue	SW
Minnetonka (West Arm)	1998	27-0133-14	Mercury in fish tissue	SW
Minnetonka (Jennings Bay)	1998	27-0133-15	Mercury in fish tissue	SW
Christmas	1998	27-0137-00	Mercury in fish tissue	SW
Spurzem	2006	27-0149-00	Mercury in fish tissue	SW
Half Moon	2012	27-0152-00	Mercury in fish tissue	SW
Long	1998	27-0160-00	Mercury in fish tissue	SW
Independence	2004	27-0176-00	Mercury in fish tissue	SW
North Little Long	2002	27-0179-01	Mercury in fish tissue	SW
South Little Long	2002	27-0179-02	Mercury in fish tissue	SW
North Whaletail	2012	27-0184-01	Mercury in fish tissue	
South Whaletail	2012	27-0184-02	Mercury in fish tissue	
Sarah (West Bay)	1998	27-0191-01	Mercury in fish tissue	SW
Sarah (East Bay)	2006	27-0191-02	Mercury in fish tissue	SW
Rebecca	1998	27-0192-00	Mercury in fish tissue	SW

Ham	2010	29-0017-00	Mercury in fish tissue	NE
Eleventh Crow Wing (Main Bay)	2002	29-0036-01	Mercury in fish tissue	NE
Eleventh Crow Wing (Northeast Bay)	2002	29-0036-02	Mercury in fish tissue	NE
Shingobee	2002	29-0043-00	Mercury in fish tissue	NE
Garfield	2012	29-0061-00	Mercury in fish tissue	NE
Midge	2012	29-0066-00	Mercury in fish tissue	NE
Grace	1998	29-0071-00	Mercury in fish tissue	NE
Eighth Crow Wing	2010	29-0072-00	Mercury in fish tissue	NE
Third Crow Wing	2002	29-0077-00	Mercury in fish tissue	NE
Crow Wing #4	2012	29-0078-00	Mercury in fish tissue	SW
Fifth Crow Wing	2008	29-0092-00	Mercury in fish tissue	NE
Waboose	2012	29-0098-00	Mercury in fish tissue	NE
Spider (NW/SE Bay)	1998	29-0117-01	Mercury in fish tissue	NE
Spider (East Bay)	1998	29-0117-02	Mercury in fish tissue	NE
Big Stony	2006	29-0143-00	Mercury in fish tissue	NE
Belle Taine	1998	29-0146-00	Mercury in fish tissue	NE
Upper Bottle	2010	29-0148-00	Mercury in fish tissue	NE
Mantrap (East Basin)	1998	29-0151-01	Mercury in fish tissue	NE
Mantrap (Middle Basin)	1998	29-0151-02	Mercury in fish tissue	NE
Mantrap (Mirror Bay)	1998	29-0151-03	Mercury in fish tissue	NE
Mantrap (West Arm)	1998	29-0151-04	Mercury in fish tissue	NE
Mantrap (Home Bay)	1998	29-0151-05	Mercury in fish tissue	NE
Plantagenet	2002	29-0156-00	Mercury in fish tissue	NE
Upper Twin	2010	29-0157-00	Mercury in fish tissue	NE
Long	2002	29-0161-00	Mercury in fish tissue	NE
Pickerel	2012	29-0178-00	Mercury in fish tissue	NE
Lower Bottle	2002	29-0180-00	Mercury in fish tissue	NE
Big Sand	1998	29-0185-00	Mercury in fish tissue	NE
Schoolcraft	2012	29-0215-00	Mercury in fish tissue	NE
George	1998	29-0216-00	Mercury in fish tissue	NE
Fish Hook	1998	29-0242-00	Mercury in fish tissue	NE
Potato	2002	29-0243-00	Mercury in fish tissue	NE
Portage	2006	29-0250-00	Mercury in fish tissue	NE
Island	1998	29-0254-00	Mercury in fish tissue	NE
Green	1998	30-0136-00	Mercury in fish tissue	SW
Beauty	1998	31-0028-00	Mercury in fish tissue	NE
Swan (West Bay)	1998	31-0067-01	Mercury in fish tissue	NE
Swan (Main Basin)	1998	31-0067-02	Mercury in fish tissue	NE
Buck	1998	31-0069-00	Mercury in fish tissue	NE
Shallow	2012	31-0084-00	Mercury in fish tissue	NE
Ox Hide	1998	31-0106-00	Mercury in fish tissue	NE
Upper Panasa	1998	31-0111-00	Mercury in fish tissue	NE
Lower Panasa	1998	31-0112-00	Mercury in fish tissue	NE
Little Bear	1998	31-0156-00	Mercury in fish tissue	NE
Thistledew	2012	31-0158-00	Mercury in fish tissue	NE
Bass	2010	31-0316-00	Mercury in fish tissue	NE
Deer	1998	31-0334-00	Mercury in fish tissue	NE
Wabana	2010	31-0392-00	Mercury in fish tissue	NE

Trout	1998	31-0410-00	Mercury in fish tissue	NE
Cutaway	1998	31-0429-00	Mercury in fish tissue	NE
Plantation	1998	31-0439-00	Mercury in fish tissue	NE
Pokegama (Main Bay)	1998	31-0532-01	Mercury in fish tissue	NE
Pokegama (Wendigo)	1998	31-0532-02	Mercury in fish tissue	NE
Blandin	1998	31-0533-00	Mercury in fish tissue	NE
Forsythe	2002	31-0560-00	Mercury in fish tissue	NE
Blackwater	2010	31-0561-00	Mercury in fish tissue	NE
Guile	2002	31-0569-00	Mercury in fish tissue	NE
Loon	2002	31-0571-00	Mercury in fish tissue	NE
Little Bass	2002	31-0575-00	Mercury in fish tissue	NE
Bass	2010	31-0576-00	Mercury in fish tissue	NE
Caribou	1998	31-0620-00	Mercury in fish tissue	NE
Deer	2010	31-0719-00	Mercury in fish tissue	NE
Moose	1998	31-0722-00	Mercury in fish tissue	NE
Turtle	1998	31-0725-00	Mercury in fish tissue	NE
Bello	2010	31-0726-00	Mercury in fish tissue	NE
Jessie	1998	31-0786-00	Mercury in fish tissue	NE
Ball Club	1998	31-0812-00	Mercury in fish tissue	NE
Bowstring	2010	31-0813-00	Mercury in fish tissue	NE
Little Ball Club	2012	31-0822-00	Mercury in fish tissue	NE
Sand	1998	31-0826-00	Mercury in fish tissue	NE
Little Winnibigoshish	2010	31-0850-00	Mercury in fish tissue	NE
Cut Foot Sioux (Main Bay)	2010	31-0857-01	Mercury in fish tissue	NE
Cut Foot Sioux (East Bay)	2010	31-0857-02	Mercury in fish tissue	NE
Round	2010	31-0896-00	Mercury in fish tissue	NE
Island	2002	31-0913-00	Mercury in fish tissue	NE
Dixon	2012	31-0921-00	Mercury in fish tissue	NE
Unnamed (O'Brien Reservoir #4)	1998	31-1225-00	Mercury in fish tissue	NE
Fish (Northwest Bay)	2002	32-0018-01	Mercury in fish tissue	SW
Fish (Bulhead Bay)	2002	32-0018-02	Mercury in fish tissue	SW
Fish (Main Lake)	2002	32-0018-03	Mercury in fish tissue	SW
Little Spirit	2010	32-0024-00	Mercury in fish tissue	SW
Fish	1998	33-0036-00	Mercury in fish tissue	SW
Elizabeth (Main Lake)	1998	34-0022-02	Mercury in fish tissue	SW
Diamond	1998	34-0044-00	Mercury in fish tissue	SW
Calhoun	2006	34-0062-00	Mercury in fish tissue	SW
Long	2006	34-0066-00	Mercury in fish tissue	SW
Big Kandiyohi	1998	34-0086-00	Mercury in fish tissue	SW
George	2002	34-0142-00	Mercury in fish tissue	SW
Nest	1998	34-0154-00	Mercury in fish tissue	SW
Eagle	1998	34-0171-00	Mercury in fish tissue	SW
Long	1998	34-0192-00	Mercury in fish tissue	SW
Andrew	1998	34-0206-00	Mercury in fish tissue	SW
Florida	1998	34-0217-00	Mercury in fish tissue	SW
Games	2012	34-0224-00	Mercury in fish tissue	SW
East Solomon	2012	34-0246-00	Mercury in fish tissue	SW
Norway	1998	34-0251-00	Mercury in fish tissue	SW

Clear	1998	36-0011-00	Mercury in fish tissue	NE
Dark	1998	36-0014-00	Mercury in fish tissue	NE
Teufer	2012	36-0019-00	Mercury in fish tissue	NE
Lac Qui Parle (Southeast Basin)	1998	37-0046-01	Mercury in fish tissue	SW
Lac Qui Parle (Northwest Basin)	1998	37-0046-02	Mercury in fish tissue	SW
Benson	1998	38-0018-00	Mercury in fish tissue	NE
East	2002	38-0020-00	Mercury in fish tissue	NE
Crooked (East Bay)	1998	38-0024-01	Mercury in fish tissue	NE
Crooked (West Bay)	1998	38-0024-02	Mercury in fish tissue	NE
Thunderbird	1998	38-0031-00	Mercury in fish tissue	NE
Ninemile	1998	38-0033-00	Mercury in fish tissue	NE
Lupus	2002	38-0038-00	Mercury in fish tissue	NE
Wye	2012	38-0042-00	Mercury in fish tissue	NE
Wilson	1998	38-0047-00	Mercury in fish tissue	NE
Harriet	1998	38-0048-00	Mercury in fish tissue	NE
Little Wilson	1998	38-0051-00	Mercury in fish tissue	NE
Dam Five	1998	38-0053-00	Mercury in fish tissue	NE
Whitefish	1998	38-0060-00	Mercury in fish tissue	NE
Coffee	1998	38-0064-00	Mercury in fish tissue	NE
T	1998	38-0066-00	Mercury in fish tissue	NE
Square	1998	38-0074-00	Mercury in fish tissue	NE
Kawishiwi	1998	38-0080-00	Mercury in fish tissue	NE
Adams	1998	38-0153-00	Mercury in fish tissue	NE
Ogishkemuncie	2004	38-0180-00	Mercury in fish tissue	NE
Silver Island	1998	38-0219-00	Mercury in fish tissue	NE
Perent	1998	38-0220-00	Mercury in fish tissue	NE
Little Knife	1998	38-0229-00	Mercury in fish tissue	NE
Nicado	2012	38-0230-00	Mercury in fish tissue	NE
Tetagouche	2002	38-0231-00	Mercury in fish tissue	NE
Nipisiquit	2002	38-0232-00	Mercury in fish tissue	NE
Johnson	2002	38-0242-00	Mercury in fish tissue	NE
Balsam	2002	38-0245-00	Mercury in fish tissue	NE
Section 29	1998	38-0292-00	Mercury in fish tissue	NE
Thomas	1998	38-0351-00	Mercury in fish tissue	NE
Fraser	1998	38-0372-00	Mercury in fish tissue	NE
Dumbbell	1998	38-0393-00	Mercury in fish tissue	NE
Isabella	1998	38-0396-00	Mercury in fish tissue	NE
Ima	2002	38-0400-00	Mercury in fish tissue	NE
Knife	1998	38-0404-00	Mercury in fish tissue	NE
Lax	2010	38-0406-00	Mercury in fish tissue	NE
Delay	2010	38-0415-00	Mercury in fish tissue	NE
Eighteen	1998	38-0432-00	Mercury in fish tissue	NE
Redskin	2010	38-0440-00	Mercury in fish tissue	NE
Jack	2002	38-0441-00	Mercury in fish tissue	NE
Bog	2012	38-0443-00	Mercury in fish tissue	NE
Disappointment	1998	38-0488-00	Mercury in fish tissue	NE
Vera	1998	38-0491-00	Mercury in fish tissue	NE
Parent	1998	38-0526-00	Mercury in fish tissue	NE

Snowbank	1998	38-0529-00	Mercury in fish tissue	NE
Birch	1998	38-0532-00	Mercury in fish tissue	NE
Katherine	1998	38-0538-00	Mercury in fish tissue	NE
Surprise	2002	38-0550-00	Mercury in fish tissue	NE
Flat Horn	1998	38-0568-00	Mercury in fish tissue	NE
Quadga	1998	38-0596-00	Mercury in fish tissue	NE
One	1998	38-0605-00	Mercury in fish tissue	NE
Two	1998	38-0608-00	Mercury in fish tissue	NE
Newfound	1998	38-0619-00	Mercury in fish tissue	NE
Flash	1998	38-0630-00	Mercury in fish tissue	NE
Grass	1998	38-0635-00	Mercury in fish tissue	NE
Moose	1998	38-0644-00	Mercury in fish tissue	NE
Basswood	1998	38-0645-00	Mercury in fish tissue	NE
Middle McDougal	2002	38-0658-00	Mercury in fish tissue	NE
Pike	1998	38-0670-00	Mercury in fish tissue	NE
Highlife	1998	38-0673-00	Mercury in fish tissue	NE
East Chub	1998	38-0674-00	Mercury in fish tissue	NE
West Chub	1998	38-0675-00	Mercury in fish tissue	NE
Section Twelve	2002	38-0714-00	Mercury in fish tissue	NE
Triangle	1998	38-0715-00	Mercury in fish tissue	NE
Greenstone	1998	38-0718-00	Mercury in fish tissue	NE
Clear	2002	38-0722-00	Mercury in fish tissue	NE
Pickerel	2002	38-0741-00	Mercury in fish tissue	NE
Browns	1998	38-0780-00	Mercury in fish tissue	NE
Newton	1998	38-0784-00	Mercury in fish tissue	NE
Cedar	1998	38-0810-00	Mercury in fish tissue	NE
Jouppi	2010	38-0909-00	Mercury in fish tissue	NE
Lake of the Woods (main)	1998	39-0002-01	Mercury in fish tissue	NE
Lake of the Woods (4 Mile Bay)	1998	39-0002-02	Mercury in fish tissue	NE
Upper Sakatah	2012	40-0002-00	Mercury in fish tissue	SW
Tetonka	1998	40-0031-00	Mercury in fish tissue	SW
Gorman	2012	40-0032-00	Mercury in fish tissue	SW
Frances	1998	40-0057-00	Mercury in fish tissue	SW
Washington	1998	40-0117-00	Mercury in fish tissue	SW
Dead Coon	1998	41-0021-00	Mercury in fish tissue	SW
Benton	1998	41-0043-00	Mercury in fish tissue	SW
Perch	2002	41-0067-00	Mercury in fish tissue	SW
Shaokatan	1998	41-0089-00	Mercury in fish tissue	SW
Hendricks	1998	41-0110-00	Mercury in fish tissue	SW
Lady Slipper	2006	42-0020-00	Mercury in fish tissue	SW
Winsted	2008	43-0012-00	Mercury in fish tissue	SW
Hook	2002	43-0073-00	Mercury in fish tissue	SW
Marion	1998	43-0084-00	Mercury in fish tissue	SW
Otter (Main Basin)	2008	43-0085-01	Mercury in fish tissue	SW
Otter (South Arm)	2008	43-0085-02	Mercury in fish tissue	SW
Otter (North Arm/Campbell)	2008	43-0085-03	Mercury in fish tissue	SW
Stahls	2010	43-0104-00	Mercury in fish tissue	SW
South Twin	2010	44-0014-00	Mercury in fish tissue	NE

North Twin	2012	44-0023-00	Mercury in fish tissue	NE
Island	2012	44-0038-00	Mercury in fish tissue	SW
Florian Park Reservoir	1998	45-0119-00	Mercury in fish tissue	SW
Big Twin	2002	46-0133-00	Mercury in fish tissue	SW
Francis	1998	47-0002-00	Mercury in fish tissue	SW
Jennie	1998	47-0015-00	Mercury in fish tissue	SW
Arvilla	2008	47-0023-00	Mercury in fish tissue	SW
Long	1998	47-0026-00	Mercury in fish tissue	SW
Spring	1998	47-0032-00	Mercury in fish tissue	SW
Big Swan	2006	47-0038-00	Mercury in fish tissue	SW
Betty	2010	47-0042-00	Mercury in fish tissue	SW
Washington	1998	47-0046-00	Mercury in fish tissue	SW
Dunns	1998	47-0082-00	Mercury in fish tissue	SW
Richardson	1998	47-0088-00	Mercury in fish tissue	SW
Minnie-Belle	1998	47-0119-00	Mercury in fish tissue	SW
Mille Lacs	1998	48-0002-00	Mercury in fish tissue	NE
Shakopee	1998	48-0012-00	Mercury in fish tissue	NE
Sullivan	1998	49-0016-00	Mercury in fish tissue	NE
Shamineau	2012	49-0127-00	Mercury in fish tissue	NE
Cedar	2002	49-0140-00	Mercury in fish tissue	SW
East Side	1998	50-0002-00	Mercury in fish tissue	SW
Silver	1998	55-0003-00	Mercury in fish tissue	SW
Zumbro	1998	55-0004-00	Mercury in fish tissue	SW
WR6A Pond	2006	55-0021-00	Mercury in fish tissue	SW
Adley	2002	56-0031-00	Mercury in fish tissue	SW
Fish	2012	56-0066-00	Mercury in fish tissue	SW
West Leaf	2012	56-0114-00	Mercury in fish tissue	SW
East Leaf	2012	56-0116-02	Mercury in fish tissue	SW
Big Pine	1998	56-0130-00	Mercury in fish tissue	SW
Rush	1998	56-0141-00	Mercury in fish tissue	SW
Little Pine	2002	56-0142-00	Mercury in fish tissue	SW
Spitzer	2010	56-0160-00	Mercury in fish tissue	SW
Buchanan	2010	56-0209-00	Mercury in fish tissue	SW
Murphy	2010	56-0229-00	Mercury in fish tissue	NE
Clitherall	1998	56-0238-00	Mercury in fish tissue	SW
West Battle	2002	56-0239-00	Mercury in fish tissue	SW
Blanche	2012	56-0240-00	Mercury in fish tissue	SW
Ottertail	2010	56-0242-00	Mercury in fish tissue	SW
Marion	2006	56-0243-00	Mercury in fish tissue	SW
Walker	1998	56-0310-00	Mercury in fish tissue	SW
Little McDonald	1998	56-0328-00	Mercury in fish tissue	SW
Rose	2012	56-0360-00	Mercury in fish tissue	SW
North Turtle	2008	56-0379-00	Mercury in fish tissue	SW
Dead	1998	56-0383-00	Mercury in fish tissue	SW
Star	1998	56-0385-00	Mercury in fish tissue	SW
Sybil	1998	56-0387-00	Mercury in fish tissue	SW
Long	2002	56-0388-00	Mercury in fish tissue	SW
Sewell	2006	56-0408-00	Mercury in fish tissue	SW

Stalker	2002	56-0437-00	Mercury in fish tissue	SW
Pickerel	1998	56-0475-00	Mercury in fish tissue	SW
Ten Mile	2002	56-0613-00	Mercury in fish tissue	SW
Wall	1998	56-0658-00	Mercury in fish tissue	SW
North Lida	1998	56-0747-01	Mercury in fish tissue	SW
Lizzie (North Portion)	1998	56-0760-01	Mercury in fish tissue	SW
Lizzie (South Portion)	1998	56-0760-02	Mercury in fish tissue	SW
Swan	2008	56-0781-00	Mercury in fish tissue	SW
Pelican	1998	56-0786-00	Mercury in fish tissue	SW
Pebble	1998	56-0829-00	Mercury in fish tissue	SW
Jewett	2006	56-0877-00	Mercury in fish tissue	SW
Prairie	2004	56-0915-00	Mercury in fish tissue	SW
Orwell Reservoir	1998	56-0945-00	Mercury in fish tissue	SW
West Olaf	2002	56-0950-01	Mercury in fish tissue	SW
East Olaf	2002	56-0950-02	Mercury in fish tissue	SW
Tamarack	1998	58-0024-00	Mercury in fish tissue	NE
Oak	2012	58-0048-00	Mercury in fish tissue	NE
Sturgeon	1998	58-0067-00	Mercury in fish tissue	NE
Long	2002	58-0107-00	Mercury in fish tissue	NE
Upper Pine	1998	58-0130-00	Mercury in fish tissue	NE
Big Pine	1998	58-0138-00	Mercury in fish tissue	NE
Pokegama	2012	58-0142-00	Mercury in fish tissue	SW
Maple	1998	60-0305-00	Mercury in fish tissue	SW
Grove	1998	61-0023-00	Mercury in fish tissue	SW
Scandinavian	1998	61-0041-00	Mercury in fish tissue	SW
Amelia	2010	61-0064-00	Mercury in fish tissue	SW
Villard	2010	61-0067-00	Mercury in fish tissue	SW
Reno	2012	61-0078-00	Mercury in fish tissue	SW
Minnewaska	1998	61-0130-00	Mercury in fish tissue	SW
Signalness	1998	61-0149-00	Mercury in fish tissue	SW
Bald Eagle	1998	62-0002-00	Mercury in fish tissue	SW
Gervais	1998	62-0007-00	Mercury in fish tissue	SW
Phalen	2012	62-0013-00	Mercury in fish tissue	SW
Beaver	2002	62-0016-00	Mercury in fish tissue	SW
Sucker	1998	62-0028-00	Mercury in fish tissue	SW
East Vadnais	1998	62-0038-01	Mercury in fish tissue	SW
Pleasant	2002	62-0046-00	Mercury in fish tissue	SW
Bennett	2012	62-0048-00	Mercury in fish tissue	SW
Mccarrons	2010	62-0054-00	Mercury in fish tissue	SW
Como	1998	62-0055-00	Mercury in fish tissue	SW
Owasso	1998	62-0056-00	Mercury in fish tissue	SW
Josephine	1998	62-0057-00	Mercury in fish tissue	SW
Long	1998	62-0067-00	Mercury in fish tissue	SW
Snail	2002	62-0073-00	Mercury in fish tissue	SW
Johanna	2002	62-0078-00	Mercury in fish tissue	SW
Silver	2012	62-0083-00	Mercury in fish tissue	SW
Unnamed (North Star)	2008	62-0237-00	Mercury in fish tissue	SW
Redwood	1998	64-0058-00	Mercury in fish tissue	SW

Cannon	2012	66-0008-00	Mercury in fish tissue	SW
Wells	2012	66-0010-00	Mercury in fish tissue	SW
Circle	2010	66-0027-00	Mercury in fish tissue	SW
French	1998	66-0038-00	Mercury in fish tissue	SW
Lower Sakatah	2012	66-0044-00	Mercury in fish tissue	SW
Hunt	2004	66-0047-00	Mercury in fish tissue	SW
Cedar	2010	66-0052-00	Mercury in fish tissue	SW
Shields	2004	66-0055-00	Mercury in fish tissue	SW
Hayes	1998	68-0004-00	Mercury in fish tissue	NE
Pine	1998	69-0001-00	Mercury in fish tissue	NE
Seven Beaver	1998	69-0002-00	Mercury in fish tissue	NE
Pequaywan	1998	69-0011-00	Mercury in fish tissue	NE
Salo	1998	69-0036-00	Mercury in fish tissue	NE
Bassett	1998	69-0041-00	Mercury in fish tissue	NE
Whisper	1998	69-0059-00	Mercury in fish tissue	NE
Hobo	2004	69-0062-00	Mercury in fish tissue	NE
Bass	2002	69-0063-00	Mercury in fish tissue	NE
Little Long	1998	69-0066-00	Mercury in fish tissue	NE
Shagawa	1998	69-0069-00	Mercury in fish tissue	NE
Low	1998	69-0070-00	Mercury in fish tissue	NE
Tee	2002	69-0083-00	Mercury in fish tissue	NE
Cadotte	1998	69-0114-00	Mercury in fish tissue	NE
Johnson	1998	69-0117-00	Mercury in fish tissue	NE
Little Alden	2004	69-0130-00	Mercury in fish tissue	NE
Muckwa	1998	69-0159-00	Mercury in fish tissue	NE
Twin	1998	69-0163-00	Mercury in fish tissue	NE
Big	1998	69-0190-00	Mercury in fish tissue	NE
West Robinson	2012	69-0217-00	Mercury in fish tissue	NE
Eagles Nest #4	2010	69-0218-00	Mercury in fish tissue	NE
Linwood	1998	69-0248-00	Mercury in fish tissue	NE
Bearhead	1998	69-0254-00	Mercury in fish tissue	NE
Armstrong	2002	69-0278-00	Mercury in fish tissue	NE
Eagles Nest #3	1998	69-0285-03	Mercury in fish tissue	NE
Ramshead	1998	69-0339-00	Mercury in fish tissue	NE
Takucmich	2002	69-0369-00	Mercury in fish tissue	NE
Wild Rice	1998	69-0371-00	Mercury in fish tissue	NE
Boulder	1998	69-0373-00	Mercury in fish tissue	NE
Whitewater	1998	69-0376-00	Mercury in fish tissue	NE
Vermilion (East)	1998	69-0378-01	Mercury in fish tissue	NE
Vermilion (West)	1998	69-0378-02	Mercury in fish tissue	NE
North Twin	1998	69-0419-00	Mercury in fish tissue	NE
Little Trout	1998	69-0455-00	Mercury in fish tissue	NE
Jeanette	1998	69-0456-00	Mercury in fish tissue	NE
Lower Pauness	2008	69-0464-00	Mercury in fish tissue	NE
Fat	1998	69-0481-00	Mercury in fish tissue	NE
Caribou	2010	69-0489-00	Mercury in fish tissue	NE
Pike	2002	69-0490-00	Mercury in fish tissue	NE

Fish Lake Flowage (Main Basin)	2002	69-0491-01	Mercury in fish tissue	NE
Fish Lake Flowage (East Bay)	2002	69-0491-02	Mercury in fish tissue	NE
Trout	1998	69-0498-00	Mercury in fish tissue	NE
Leora	2002	69-0521-00	Mercury in fish tissue	NE
Dinham	2012	69-0544-00	Mercury in fish tissue	NE
Bass	2002	69-0553-00	Mercury in fish tissue	NE
Lost	2002	69-0556-00	Mercury in fish tissue	NE
Coe	2010	69-0562-00	Mercury in fish tissue	NE
Wolf	1998	69-0582-00	Mercury in fish tissue	NE
Oriniack	2006	69-0587-00	Mercury in fish tissue	NE
Pickett	2004	69-0591-00	Mercury in fish tissue	NE
Murphy	1998	69-0646-00	Mercury in fish tissue	NE
Pleasant	2006	69-0655-00	Mercury in fish tissue	NE
Silver	1998	69-0662-00	Mercury in fish tissue	NE
Virginia	1998	69-0663-00	Mercury in fish tissue	NE
Deep	2002	69-0666-00	Mercury in fish tissue	NE
Pfeiffer	2002	69-0671-00	Mercury in fish tissue	NE
Kabustasa	2002	69-0679-00	Mercury in fish tissue	NE
Little Trout	1998	69-0682-00	Mercury in fish tissue	NE
Mukooda	1998	69-0684-00	Mercury in fish tissue	NE
O'Leary	1998	69-0685-00	Mercury in fish tissue	NE
Winchester	2004	69-0690-00	Mercury in fish tissue	NE
Mashkenode	2004	69-0725-00	Mercury in fish tissue	NE
Auto	2002	69-0731-00	Mercury in fish tissue	NE
Sand	2002	69-0736-00	Mercury in fish tissue	NE
Susan	1998	69-0741-00	Mercury in fish tissue	NE
Myrtle	1998	69-0749-00	Mercury in fish tissue	NE
Moose	1998	69-0750-00	Mercury in fish tissue	NE
Marion	1998	69-0755-00	Mercury in fish tissue	NE
Little Johnson	1998	69-0760-00	Mercury in fish tissue	NE
Long	2002	69-0765-00	Mercury in fish tissue	NE
Fourteen	1998	69-0793-00	Mercury in fish tissue	NE
Leander	1998	69-0796-00	Mercury in fish tissue	NE
Clear	1998	69-0799-00	Mercury in fish tissue	NE
Elephant	1998	69-0810-00	Mercury in fish tissue	NE
Cruiser	1998	69-0832-00	Mercury in fish tissue	NE
Peary	1998	69-0833-00	Mercury in fish tissue	NE
Fishmouth	2002	69-0834-00	Mercury in fish tissue	NE
Six Mile	1998	69-0840-00	Mercury in fish tissue	NE
Pelican	1998	69-0841-00	Mercury in fish tissue	NE
Black Duck	2002	69-0842-00	Mercury in fish tissue	NE
Ek	1998	69-0843-00	Mercury in fish tissue	NE
Kabetogama	1998	69-0845-00	Mercury in fish tissue	NE
Longyear (North Bay)	1998	69-0857-01	Mercury in fish tissue	NE
Longyear (South Bay)	1998	69-0857-02	Mercury in fish tissue	NE
Long (Main Basin)	1998	69-0859-01	Mercury in fish tissue	NE
Long (North Bay)	1998	69-0859-02	Mercury in fish tissue	NE
Ash	1998	69-0864-00	Mercury in fish tissue	NE

Quill	2006	69-0871-00	Mercury in fish tissue	NE
Kelly	1998	69-0901-00	Mercury in fish tissue	NE
Side	2010	69-0933-00	Mercury in fish tissue	NE
Sturgeon (Main)	1998	69-0939-01	Mercury in fish tissue	NE
Middle Sturgeon	1998	69-0939-02	Mercury in fish tissue	NE
West Sturgeon	1998	69-0939-03	Mercury in fish tissue	NE
West Two Rivers Reservoir	1998	69-0994-00	Mercury in fish tissue	NE
Gilbert Pit	1998	69-1306-00	Mercury in fish tissue	NE
Upper Twin Pond	1998	69-1345-00	Mercury in fish tissue	NE
Murphy	2008	70-0010-00	Mercury in fish tissue	SW
Cleary	1998	70-0022-00	Mercury in fish tissue	SW
Lower Prior	2002	70-0026-00	Mercury in fish tissue	SW
Mcmahon	2012	70-0050-00	Mercury in fish tissue	SW
Spring	1998	70-0054-00	Mercury in fish tissue	SW
Upper Prior	2002	70-0072-00	Mercury in fish tissue	SW
Cedar	1998	70-0091-00	Mercury in fish tissue	SW
O'Dowd	1998	70-0095-00	Mercury in fish tissue	SW
Thole	2008	70-0120-01	Mercury in fish tissue	SW
Schneider	2008	70-0120-02	Mercury in fish tissue	SW
Upper Orono	2010	71-0013-01	Mercury in fish tissue	SW
Lower Orono	2010	71-0013-02	Mercury in fish tissue	SW
Mitchell	2008	71-0081-00	Mercury in fish tissue	SW
Big	2008	71-0082-00	Mercury in fish tissue	SW
Pearl	2012	73-0037-00	Mercury in fish tissue	SW
Grand	2002	73-0055-00	Mercury in fish tissue	SW
Sagatagan	2002	73-0092-00	Mercury in fish tissue	SW
Kreigle	2002	73-0097-00	Mercury in fish tissue	SW
Big Fish	1998	73-0106-00	Mercury in fish tissue	SW
Pelican	2012	73-0118-00	Mercury in fish tissue	SW
Cedar Island (Main)	2006	73-0133-01	Mercury in fish tissue	SW
Cedar Island (Mud Lake)	2006	73-0133-02	Mercury in fish tissue	SW
Cedar Island (Koetter Lake)	2006	73-0133-03	Mercury in fish tissue	SW
Cedar Island (East Lake)	2006	73-0133-04	Mercury in fish tissue	SW
Two Rivers	1998	73-0138-00	Mercury in fish tissue	SW
Horseshoe	1998	73-0157-00	Mercury in fish tissue	SW
Rice	1998	73-0196-00	Mercury in fish tissue	SW
Koronis (Mud Lake)	1998	73-0200-01	Mercury in fish tissue	SW
Koronis (Main Basin)	1998	73-0200-02	Mercury in fish tissue	SW
Camp	2012	76-0072-00	Mercury in fish tissue	SW
Oliver (East Portion)	2002	76-0146-01	Mercury in fish tissue	SW
Oliver (West Portion)	2002	76-0146-02	Mercury in fish tissue	SW
Mary	2002	77-0019-00	Mercury in fish tissue	SW
Big Swan	1998	77-0023-00	Mercury in fish tissue	SW
Big Birch (Northeast portion)	1998	77-0084-01	Mercury in fish tissue	SW
Big Birch (South portion)	1998	77-0084-02	Mercury in fish tissue	SW
Little Birch	2010	77-0089-00	Mercury in fish tissue	SW
Sauk (Southwest Bay)	2010	77-0150-01	Mercury in fish tissue	SW
Sauk (Norh Bay)	2010	77-0150-02	Mercury in fish tissue	SW

Maple	2002	77-0181-00	Mercury in fish tissue	SW
Osakis	1998	77-0215-00	Mercury in fish tissue	SW
Traverse	1998	78-0025-00	Mercury in fish tissue	SW
Blueberry	2010	80-0034-00	Mercury in fish tissue	SW
Stocking	1998	80-0037-00	Mercury in fish tissue	SW
Clear	1998	81-0014-00	Mercury in fish tissue	SW
Loon	1998	81-0015-00	Mercury in fish tissue	SW
Reeds	2012	81-0055-00	Mercury in fish tissue	SW
Little Carnelian	2002	82-0014-00	Mercury in fish tissue	SW
Lily	2002	82-0023-00	Mercury in fish tissue	SW
Square	2002	82-0046-00	Mercury in fish tissue	SW
Big Carnelian	1998	82-0049-00	Mercury in fish tissue	SW
Big Marine	1998	82-0052-04	Mercury in fish tissue	SW
Bone	1998	82-0054-00	Mercury in fish tissue	SW
Battle Creek	2012	82-0091-00	Mercury in fish tissue	SW
Elmo	1998	82-0106-00	Mercury in fish tissue	SW
Tanners	2002	82-0115-00	Mercury in fish tissue	SW
Forest	1998	82-0159-00	Mercury in fish tissue	SW
Clear	2002	82-0163-00	Mercury in fish tissue	SW
Carver	1998	82-0166-00	Mercury in fish tissue	SW
White Bear	1998	82-0167-00	Mercury in fish tissue	SW
Beebe	2002	86-0023-00	Mercury in fish tissue	SW
Pulaski	1998	86-0053-02	Mercury in fish tissue	SW
Buffalo	1998	86-0090-00	Mercury in fish tissue	SW
Waverly	2008	86-0114-00	Mercury in fish tissue	SW
Upper Maple	1998	86-0134-01	Mercury in fish tissue	SW
Silver	1998	86-0140-00	Mercury in fish tissue	SW
Ann	1998	86-0190-00	Mercury in fish tissue	SW
Mary	2004	86-0193-00	Mercury in fish tissue	SW
Howard	1998	86-0199-00	Mercury in fish tissue	SW
Granite	2002	86-0217-00	Mercury in fish tissue	SW
Cedar	1998	86-0227-00	Mercury in fish tissue	SW
Pleasant	1998	86-0251-00	Mercury in fish tissue	SW
French	1998	86-0273-00	Mercury in fish tissue	SW
West Lake Sylvia	1998	86-0279-00	Mercury in fish tissue	SW
John	1998	86-0288-00	Mercury in fish tissue	SW
East Lake Sylvia	1998	86-0289-00	Mercury in fish tissue	SW
Collinwood	1998	86-0293-00	Mercury in fish tissue	SW
Union	2010	86-0298-00	Mercury in fish tissue	SW
Del Clark	2004	87-0180-00	Mercury in fish tissue	SW