

# Delisting Decision Background and Delisting Decisions

The Clean Water Act in Section 305(b) requires states to report to Congress every two years with an assessment of their water bodies, whether meeting standards or impaired, while Section 303(d) requires states to develop a list of impaired waters for purposes of the Total Maximum Daily Load (TMDL) program.

One of the Minnesota Pollution Control Agency's (MPCA) goals is to improve the water quality of the waterbodies on the TMDL list so that beneficial uses are restored, where that is possible. Thus, it is important to have a process for removing waterbodies from the impaired waters list when they are determined to be no longer impaired.

Delisting, as we use the term in this document, refers only to the situation for which new and reliable data or information indicates that the waterbody is no longer impaired. Such a waterbody may be delisted before a TMDL plan is developed. We are not using delisting here to refer to the situation for which a TMDL plan or plans have been completed and approved by the U.S. Environmental Protection Agency (EPA), and thus the waterbody moves from Category 5 (impaired and needing a TMDL) to Category 4 (impaired, but does not require the development of a TMDL). In general, waterbodies will be assessed for delisting, using the same standards, guidelines and thresholds that were used to place them on the list. See Section X of the *Guidance Manual for Assessing the Quality of Minnesota Surface Waters*, <http://www.pca.state.mn.us/index.php/water/water-types-and-programs/minnesotas-impaired-waters-and-tmdls/assessment-and-listing/tmdl-water-quality-assessment.html>

New and old data will be considered together in the delisting assessments, unless tangible improvements have taken place in the reach of sufficient dimension to change impairment status, in which case only new data will be used. Improvements could include implementation of best management practices to reduce nonpoint sources, improvements in wastewater treatment, or some combination of nonpoint and point source reductions. If the new data show the waterbody to be unimpaired, either because the original, often smaller, data set provided a false indication of impairment, or because conditions have in fact improved, to the extent that the waterbody is no longer impaired, the MPCA will petition the EPA to delist the waterbody.

The summary documentation here gives the following information for each waterbody that is delisted: assessment unit identification (AUID), waterbody name and description, impaired use, use classification, pollutant or stressor, year first listed, year delisted, and reason for delisting. For each waterbody that has been considered for delisting the summary documentation also provides information about any previous delisting reviews, the delisting decision, and reason for the decision.

For more detailed delisting review documentation for individual waterbodies, please contact the MPCA at 651-296-6300 or 800-657-3864.

## Delisting Decisions All Years

Basin	AUID or Lake or Wetland ID#	Prev ID	Reach	Affected use	Use class	Pollutant or stressor	Year listed	Year de-listed	Comments
Upper Miss	07010202-501	001	Sauk River, Mill Cr to Mississippi R	Aquatic recreation	unlisted 2B	Fecal Coliform	1994	2012 (proposed)	Propose delisting based on new data. No actions identified in watershed to account for change.
Upper Miss	07010202-501	001	Sauk River, Mill Cr to Mississippi R	Aquatic life	unlisted 2B	Turbidity	2008	2012 (proposed)	Propose delisting based on new, more comprehensive data.
Upper Miss	07010204-585	501 017	Jewitts Creek, Headwaters (Lk Ripley) to N Fk Crow R	Aquatic life	2C	Ammonia (un-ionized)	1994	2012 (proposed)	Propose delisting based on new data. Action in watershed: construction of upgraded wastewater treatment facility for Litchfield.
Minn	07020012-517		Credit River, Headwaters to Minnesota R	Aquatic life	unlisted 2B	Turbidity	2002	2012 (proposed)	Propose delisting based on new data. Action in watershed: construction erosion control programs, various projects including bank and channel stabilization, and rain gardens.
Upper Miss	07010103-506		Swan River, Swan Lk (31-0067-00) to Mississippi R	Aquatic life	unlisted 2B	Low Oxygen	2004	2010	Delist based on new, more comprehensive data.
Upper Miss	07010104-501	226	Mississippi River, Pine R to Brainerd Dam	Aquatic life	2B,3B	Low Oxygen	1998	2010	Delist based on new, more comprehensive data.
Upper Miss	07010108-511		Moran Creek, Headwaters to Long Prairie R	Aquatic life	unlisted 2B	Low Oxygen	2006	2010	Delist based on more comprehensive data review and new data including resampling of the fish community.
Minn	07020012-518		Nine Mile Creek, Headwaters to Minnesota R	Aquatic life	unlisted 2B	Turbidity	2002	2010	Delist based on new, more comprehensive data.
Red	09020305-507	112	Lost River, Anderson Lk to Hill R	Aquatic recreation	unlisted 2B	Fecal Coliform	2002	2010	Delist based on new data. Action in watershed: construction of wastewater treatment facility for Oklee and implementation of BMPs by landowners.
Red	09020305-510	013	Clearwater River, Ruffy Bk to Lost R	Aquatic recreation	unlisted 2B	Fecal Coliform	2002	2010	Delist based on new data. Action in watershed: Implementation of BMPs by landowners and altered drainage practices by wild rice farmers.
Upper Miss	27-0038-00		Brownie Lake	Aquatic recreation	unlisted 2B	Nutrient/ Eutrophication Biological Indicators	2004	2010	Delist based on new monitoring data.
Minn	07020006-502	106	Redwood River, T111 R42W S33 west line to Threemile Cr	Aquatic life	unlisted 2B	Ammonia (un-ionized)	1992	2008	Delist based on new monitoring data. Action in watershed: upgrade of Marshall wastewater treatment facility (1994).
Minn	07020009-505	204	Judicial Ditch 3, Headwaters to Elm Cr	Aquatic life	unlisted 2B	Turbidity	2002	2008	Delist based on new, more comprehensive data, including data from Citizen Stream Monitoring Program (CSMP).
Lower Miss	07040003-627	510 506 560	Mississippi River, Chippewa R (WI) to L & D #6	Aquatic recreation	unlisted 2B	Fecal Coliform	2002	2008	Delist based on new monitoring data, including data from Wisconsin Dept Natural Resources.
Lower Miss	07060001-509	501	Mississippi River, Root R to MN/IA border	Aquatic life	unlisted 2B	Turbidity	1998	2008	Delist based on more comprehensive data. Listing data based on fixed station transect sites, newer data from Long Term Resource Monitoring Program (LTRMP) Stratified Random Sampling (SRS).
Red	09020104-502	102	Red River of the North, Fargo/Moorhead Dam A to Sheyenne R (ND)	Aquatic life	1C,2Bd,3B	Ammonia (un-ionized)	1992	2008	Site specific water quality standard since 2000. Delist based on new monitoring data. Actions in watershed: improvements to Fargo (1995) and Moorhead (2003) wastewater treatment facilities.
St Croix	82-0153		Sunset Lake	Aquatic recreation	unlisted 2B	Excess nutrients	2002	2008	Delist based on new data indicating a statistically significant improving trend in water clarity.
Missouri	10170204-501	025	Rock River, Elk Cr to MN/IA border	Aquatic life	2C,3B	Ammonia (un-ionized)	1994	2008	Delist based on new monitoring data, including data from Iowa Dept Natural Resources.
Upper Miss	07010103-502	023	Mississippi River, Prairie R to Split Hand Cr	Aquatic life	2B,3B	Turbidity	1998	2006	Delist based on new more comprehensive data.
Upper Miss	07010103-503	131	Mississippi River, Grand Rapids Dam to Prairie R	Aquatic life	2B,3B	Low Oxygen	1998	2006	Delist based on new more comprehensive data.
Upper Miss	07010104-502	030	Swan River, Headwaters (Big Swan Lk, 77-0023) to Mississippi R	Aquatic recreation	unlisted 2B	Fecal coliform	1994	2006	Delist based on new, more comprehensive data. Action in watershed: feedlot upgrade, feedlot inspections, BMPs.
Upper Miss	07010203-548		Elk River, St Francis R to Orono Lk	Aquatic life	unlisted 2B	Low Oxygen	2004	2006	Delist based on new more comprehensive data.
Minn	07020002-501	001	Pomme de Terre River, Muddy Cr to Minnesota R (Marsh Lk Dam)	Aquatic life	unlisted 2B	Low Oxygen	1994	2006	Delist based on new monitoring data. Action in watershed: removal of dam at Appleton.
Minn	07020005-501	001	Chippewa River, Watson Sag Diversion to Minnesota R	Aquatic life	unlisted 2B	Ammonia (un-ionized)	1994	2006	Delist based on new monitoring data. Action in watershed: upgrade of Montevideo wastewater facility (1994).
Minn	07020009-560		Cedar Creek, T104 R33W S6 west line to Cedar Lk	Aquatic life	2C	Ammonia (un-ionized)	1994	2006	Delist based on new monitoring data. Action in watershed: Individual Sewage Treatment System (ISTS) upgrades and feedlot inspections and manure management plans.
Red	09020101-502	114	Rabbit River, Wilkin County line to Bois de Sioux R	Aquatic life	2C	Ammonia (un-ionized)	1994	2006	Delist based on new monitoring data.
Red	09020103-502	101	Otter Tail River, Breckenridge Lk to Bois de Sioux R	Aquatic recreation	1C,2Bd,3B	Fecal coliform	1994	2006	Delist based on new monitoring data.

## Delisting Decisions All Years

Basin	AUID or Lake or Wetland ID#	Prev ID	Reach	Affected use	Use class	Pollutant or stressor	Year listed	Year de-listed	Comments
Red	09020305-516		Clearwater River, Trout stream portion	Aquatic recreation	1B,2A,3B	Fecal coliform	2002	2006	Delist based on new more comprehensive data. Action in watershed: upgrade of Bagley wastewater treatment facility and feedlot management practices.
Upper Miss	07010201-545	506	Platte River, Unnamed Cr (above RR Bridge) to Mississippi R	Aquatic life	unlisted 2B	Biota-Fish	2002	2004	Originally listed in 2002 as -506. Split in 2003 into -545 and -546. DNR fish collection data from 2003 shows -545 fully supporting.
Lower Miss	07040001-531		Mississippi River, St Croix River to the Chippewa R (WI)	Aquatic life	unlisted 2B	Ammonia (un-ionized)	1998	2004	Delist based on more comprehensive data. Data from Long Term Resource Monitoring Program (LTRMP)
Lower Miss	07040006-509 (now 515)		Mississippi R, HUC boundary (downstream of Richmond Island) to Root R	Aquatic life	unlisted 2B	Ammonia (un-ionized)	1998	2004	Delist based on more comprehensive data. Includes data from Long Term Resource Monitoring Program (LTRMP)
Lower Miss	07040006-509 (now 515)		Mississippi R, HUC boundary (downstream of Richmond Island) to Root R	Aquatic recreation	unlisted 2B	Fecal coliform	1998	2004	Delist based on new monitoring data, including data from LaCrosse County (WI)
Cedar	07080202-501		Shell Rock River, Albert Lea Lk to Goose Cr	Aquatic life	unlisted 2B	Ammonia (un-ionized)	1994	2004	Delist based on new monitoring data.
Upper Miss	82-0115		Tanners Lake	Aquatic recreation	unlisted 2B	Total phosphorus	2002	2004	Delist based on new monitoring data. Action in watershed: improvements to sedimentation ponds and facility built to treat stormwater with alum
Minn	07020006-502	106	Redwood River, Below trout stream portion to Threemile Cr	Aquatic life	unlisted 2B	Low Oxygen	1992	2002	Delist based on new monitoring data. Action in watershed: upgrade of Marshall wastewater treatment facility (1994)
Minn	07020007-503	010	Minnesota River, Cottonwood R to Little Cottonwood R	Aquatic recreation	unlisted 2B	Fecal Coliform	1994	2002	Delist based on new monitoring data.
Minn	07020004-502	022	Yellow Medicine River, Spring Cr to Minnesota R	Aquatic recreation	unlisted 2B	Fecal Coliform	1994	2002	Delist based on new monitoring data.
Red	09020103-503	701	Otter Tail River, Pelican R to Dayton Hollow Reservoir	Aquatic life	1C,2Bd,3B	Turbidity	1996	2002	Delist based on new monitoring data.

## Delisting Decisions for 2012 Listing Year

Basin	AUID or Lake or Wetland ID#	Prev ID	Waterbody Name and Description	Use Class	Pollutant / Stressor	First listed	Previous Delisting Reviews	12 Delist Decision	Review/ Decision Date	Comments
Upper Miss	07010103-501	002	Mississippi River, Sandy R to Willow R	2B,3C	Turbidity	1998	none	wait		review not yet completed
Upper Miss	07010202-501	001	Sauk River, Mill Cr to Mississippi R	unlisted 2B	Fecal coliform	1994	none	Yes	04/01/10	Propose delisting (2012) based on new data, no additional information on actions taken in watershed.
Upper Miss	07010202-501	001	Sauk River, Mill Cr to Mississippi R	unlisted 2B	Turbidity	2008	none	Yes	03/30/10	Propose delisting (2012) based on new data, no additional information on actions taken in watershed.
Upper Miss	07010202-502	012	Sauk River, Headwaters (Lk Osakis) to Sauk Lk	unlisted 2B	Oxygen, Dissolved	1994	none	Split reach - 667 Cat 2 - 669 Cat 2 - 671 Cat 2 - 673 Cat 5	04/20/10	Further evaluation during assessment process resulted in split, with new split -673 retaining DO impairment. New data shows no DO impairment in split -667, and other splits have insufficient DO data.
Upper Miss	07010202-503	015	Ashley Creek, Headwaters to Sauk Lk	unlisted 2B	Oxygen, Dissolved	1998	none	No	04/08/10	Newer data shows continued exceedances.
Upper Miss	07010203-511		Clearwater River, Clearwater Lk to Mississippi R	unlisted 2B	Oxygen, Dissolved	2006	none	wait		review not yet completed
Upper Miss	07010204-502		Crow River, S Fk Crow R to Mississippi R	unlisted 2B	Fecal coliform	2004	none	No	09/22/10	Newer data does not show significant improvement and adjacent reaches assessed in 2010 as impaired.
Upper Miss	07010204-585	501 017	Jewitts Creek, Headwaters (Lk Ripley) to N Fk Crow R	2C	Ammonia (un-ionized)	1994	2002, 2004, 2008	Yes	04/21/10	Propose delisting (2012) based on new monitoring data. Action in watershed: upgrade of Litchfield wastewater treatment facility (2003).
Upper Miss	07010204-668	558	Unnamed creek, Unnamed cr to Woodland WMA wetland (86-0085-00)	unlisted 2B	Turbidity	2008	none	No	11/24/10	Newer data shows continued exceedances.
Upper Miss	07010205-501		Buffalo Creek, JD 15 to S Fk Crow R	unlisted 2B	Turbidity	2006	none	wait		review not yet completed
Minn	07020012-517		Credit River, Headwaters to Minnesota R	unlisted 2B	Turbidity	2002	none	Yes	08/12/10	Propose delisting (2012) based on new comprehensive data, corrective actions taken in watershed.
St Croix	07030004-548		Mission Creek, T39 R22W S36, east line to Snake R	unlisted 2B	Oxygen, Dissolved	2008	none	wait		review not yet completed
Red	09020305-510	013	Clearwater River, Ruffy Bk to Lost R	unlisted 2B	Oxygen, Dissolved	2002	2004, 2006	wait		review not yet completed

## Delisting Decisions for 2010 Listing Year

Basin	AUID or Lake or Wetland ID#	Prev ID	Waterbody Name and Description	Use Class	Pollutant or Stressor	First listed	Previous Delisting Reviews	10 Delist Decision	Comments
Upper Miss	07010101-501	004	Mississippi River, Vermillion R to Black Water / Pokegama Lake	2B,3B	Oxygen, Dissolved	1994	2006	No	Further evaluation needed to determine if this should be recategorized as 4D, pending assessment of wetland biological characteristics.
Upper Miss	07010101-504	033	Headwaters to Schoolcraft R Headwaters to unnamed cr creek to Schoolcraft R	2B,3C	Oxygen, Dissolved	1994	none	Split reach 923 Cat 4D - 924 Cat 5	Natural background workgroup decision to split with upper reach (-923) to Category 4D and lower reach (-924) to Category 5.
Upper Miss	07010103-501	002	Mississippi River, Sandy R to Willow R	2B,3C	Turbidity	1998	none	wait	review not yet completed
Upper Miss	07010103-506		Swan River, Swan Lk (31-0067-00) to Mississippi R	unlisted 2B	Oxygen, Dissolved	2004	2006, 2008	Yes	Delist based on new, more comprehensive data.
Upper Miss	07010104-501	226	Mississippi River, Pine R to Brainerd Dam	2B,3B	Oxygen, Dissolved	1998	none	Yes	Delist based on new, more comprehensive data.
Upper Miss	07010108-511		Moran Creek, Headwaters to Long Prairie R	unlisted 2B	Oxygen, Dissolved	2006	none	Yes	Delist based on more comprehensive data review and new data including resampling of the fish community.
Upper Miss	07010203-511		Clearwater River, Clearwater Lk to Mississippi R	unlisted 2B	Oxygen, Dissolved	2006	none	wait	review not yet completed
Upper Miss	07010203-574	501	Mississippi R, Sauk R to CSAH 7 in St Cloud	1C,2Bd,3C	Fecal coliform	1994	2004	Relisted for E.coli	Parent AUID -501 delisted in 2004, then split on 2/3/05 into -574 and -575, all data on -574. AUID -574 was not impaired in 2006, 2008 but new data show impairment in 2010.
Upper Miss	07010206-565		Unnamed Ditch (Ramsey/Washington Judicial Ditch 1), Headwaters to Bald Eagle Lk	unlisted 2B	Oxygen, Dissolved	2004	none	No	Natural background workgroup decision to leave in Category 5.
Minn	07020012-511		Riley Creek, Riley Lk to Minnesota R	unlisted 2B	Turbidity	2002	none	withdrawn	Delisting request withdrawn 09-15-09, TMDL in process
Minn	07020012-518		Nine Mile Creek, Headwaters to Minnesota R	unlisted 2B	Turbidity	2002	2008	Yes	Delist based on new, more comprehensive data.
St Croix	07030004-547	502 (002)	Mission Creek, Unnamed Lk (58-0173-00) to T39, R21W, S.31 west line *original description: Headwaters to Snake R	1B,2Bd,3B	Fish Bioassessments Aquatic macroinvertebrate bioassessments	2002 Fish 2004 Invert	none	withdrawn	Delisting request withdrawn 05-08-08 additional monitoring planned
Red	09020305-507	112	Lost River, Anderson Lk to Hill R	unlisted 2B	Fecal coliform	2002	none	Yes	Delist based on new data. Action in watershed: construction of wastewater treatment facility for city of Oklee.
Red	09020305-509		Walker Brook, Walker Bk Lk to Clearwater R	unlisted 2B	Oxygen, Dissolved	2002	none	No	Natural background workgroup decision to leave in Category 5 based on noncompliant feedlot. Possible future move to Category 4D.
Red	09020305-510	013	Clearwater River, Ruffy Bk to Lost R	unlisted 2B	Oxygen, Dissolved	2002	2004, 2006	wait	review not yet completed
Red	09020305-510	013	Clearwater River, Ruffy Bk to Lost R	unlisted 2B	Fecal coliform	2002	2008	Yes	Delist based on new data. Action in watershed: Implementation of BMPs by landowners and altered drainage practices by wild rice farmers.
Minn	10-0058-00		Maria Lake	unlisted 2B	Nutrient/ Eutrophication Biological Indicators	2004	none	No	Evaluation shows this is a shallow lake not meeting standards and should remain listed
Upper Miss	10-0127-00		Campbell Lake	unlisted 2B	Nutrient/ Eutrophication Biological Indicators	2004	none	Correction to list (remove)	Evaluation shows that this functions as a wetland, remove from list (correction)
Minn	19-0033-00		Earley Lake	unlisted 2B	Nutrient/ Eutrophication Biological Indicators	2002	none	Correction to list (remove)	Evaluation shows this is a shallow lake that meets standards
Minn	19-0063-00		Schwanz Lake	unlisted 2B	Nutrient/ Eutrophication Biological Indicators	2006	none	Correction to list (remove)	Evaluation shows this is a shallow lake that meets standards
Upper Miss	27-0014-00		Powderhorn Lake	unlisted 2B	Nutrient/ Eutrophication Biological Indicators	2002	none	Category 4B	Move to Category 4B Impaired, but TMDL not required as WQS expected to be met in near future. Application of in-lake management techniques resulted in improved water quality
Upper Miss	27-0022		Diamond Lake	unlisted 2B	Nutrient/ Eutrophication Biological Indicators	2002	none	Correction to list (remove)	Evaluation shows this is a wetland rather than a shallow lake.
Minn	27-0029-00		Lake Edina	unlisted 2B	Nutrient/ Eutrophication Biological Indicators	2008	none	No	Evaluation shows this is a shallow lake not meeting standards and should remain listed

## Delisting Decisions for 2010 Listing Year

Basin	AUID or Lake or Wetland ID#	Prev ID	Waterbody Name and Description	Use Class	Pollutant or Stressor	First listed	Previous Delisting Reviews	10 Delist Decision	Comments
Upper Miss	27-0038-00		Brownie Lake	unlisted 2B	Nutrient/ Eutrophication Biological Indicators	2004	none	Yes	Delist based on new monitoring data.
Upper Miss	27-0040-00		Lake of the Isles	unlisted 2B	Nutrient/ Eutrophication Biological Indicators	2002	none	Correction to list (remove)	Evaluation shows this is a shallow lake that meets standards
Upper Miss	62-0010-02		Keller Lake	unlisted 2B	Nutrient/ Eutrophication Biological Indicators	2002	none	No	Recent data show chl <sub>a</sub> , secchi, P near listing threshold, not sufficient to delist.
Upper Miss	62-0012-00		Round Lake	unlisted 2B	Nutrient/ Eutrophication Biological Indicators	2002	none	Correction to list (remove)	Evaluation shows this is a shallow lake that meets standards
St Croix	82-0016-00		Silver Lake	unlisted 2B	Nutrient/ Eutrophication Biological Indicators	2004	none	Correction to list (remove)	Evaluation shows this is a shallow lake that meets standards
St Croix	82-0030-00		Long Lake	unlisted 2B	Nutrient/ Eutrophication Biological Indicators	2002	none	Correction to list (remove)	Evaluation shows this is a shallow lake that meets standards
St Croix	82-0034-00		East Boot Lake	unlisted 2B	Nutrient/ Eutrophication Biological Indicators	2004	none	No	Evaluation shows this is a deep lake not meeting standards
St Croix	82-0067-00		Sand Lake	unlisted 2B	Nutrient/ Eutrophication Biological Indicators	2002	none	Correction to list (remove)	Evaluation shows this is a shallow lake that meets standards

## Delisting Decisions for 2008 Listing Year

Basin	AUID or Lake or Wetland ID#	Prev ID	Waterbody Name and Description	Use Class	Pollutant or Stressor	First listed	Previous Delisting Reviews	08 Delist Decision	Comments
Lake Superior	04010102-504	012	Knife River, Headwaters to Lk Superior	1B,2A,3B	pH	2002	none	No	Did not receive all available data, needs further review.
Lake Superior	04010102-508	102	Talmadge River, Headwaters to Lk Superior	1B,2A,3B	Oxygen, Dissolved	1996	2004, 2006	withdrawn	Data for listing from S001-267, newer data only from S001-755. Watershed undergoing rapid change
Upper Miss	07010101-501	004	Mississippi River, Vermilion R to Black Water/Pokegama Lk	2B,3B	Oxygen, Dissolved	1994	2006	withdrawn	Delisting request withdrawn 04-30-07 additional monitoring planned
Upper Miss	07010101-504	033	Mississippi River, Headwaters to Schoolcraft R	2B,3B	Oxygen, Dissolved	1994	none	wait	Pending. request to move to Category 4D 'natural causes'. Additional information will be provided
Upper Miss	07010103-506	013	Swan River, Swan Lk (31-0067-00) to Mississippi R	unlisted 2B	Oxygen, Dissolved	2004	2006	No	Review shows no new data since 2006 delisting review.
Upper Miss	07010204-585	501 017	Jewitts Creek, Headwaters (Lk Ripley) to N Fk Crow R	2C	Oxygen, Dissolved	1994	none	No	Data shows continued violations.
Upper Miss	07010204-585	501 017	Jewitts Creek, Headwaters (Lk Ripley) to N Fk Crow R	2C	Ammonia (un-ionized)	1994	2002, 2004	No	Not enough data at appropriate stations and flows to delist
Minn	07020006-502	106	Redwood R, T111,R42W,s.33 to Threemile Cr	unlisted 2B	Ammonia (un-ionized)	1992	2002, 2004	Yes	Delist based on new monitoring data. Action in watershed: upgrade of Marshall wastewater treatment facility (1994)
Minn	07020007-520	006	Swan Lake Outlet (Nicollet Creek), Swan Lk to Minnesota R	unlisted 2B	Fish Bioassessments	2006	none	Correction to list (remove)	Natural waterfall impedes fish migration. IBI not applicable because of natural barrier.
Minn	07020009-505	204	Judicial Ditch 3, Headwaters to Elm Creek	unlisted 2B	Oxygen, Dissolved	1996	2002	No	Insufficient data, no early morning observations.
Minn	07020009-505	204	Judicial Ditch 3, Headwaters to Elm Creek	unlisted 2B	Turbidity	2002	none	Yes	Delist based on new, more comprehensive data, including data from Citizen Stream Monitoring Program (CSMP).
Minn	07020012-518	701	Nine Mile Creek, Headwaters to Minnesota R	unlisted 2B	Turbidity	2002	none	No	Data analysis results in exceedance rate close to 10% listing criteria. Additional monitoring planned, will be evaluated for 2010 assessment cycle.
Minn	07020012-518	701	Nine Mile Creek, Headwaters to Minnesota R	unlisted 2B	Fish Bioassessments	2004	none recorded by committee	No	Did not receive all available data, existing data shows continued impairment. Additional biological monitoring planned by MPCA, will be evaluated for 2010 assessment cycle.
Lower Miss	07040003-627	510 506 560	Mississippi River, 'Chippewa R (WI) to L & D #6	unlisted 2B	Fecal coliform	2002	2006	Yes	Delist based on new monitoring data, including data from Wisconsin Dept Natural Resources.
Lower Miss	07060001-509	501	Mississippi River, Root R to Iowa border	unlisted 2B	Turbidity	1998	2006	Yes	Delist based on more comprehensive data. Listing data based on fixed station transect sites, newer data from Long Term Resource Monitoring Program (LTRMP) Stratified Random Sampling (SRS).
Red	09020104-502	102	Red River of the North, Moorhead/Fargo Dam A (RM 448.9) to Sheyenne R (ND)	1C,2Bd,3B	Ammonia (un-ionized)	1992	none	Yes	Site specific water quality standard since 2000. Delist based on new monitoring data. Actions in watershed: improvements to Fargo (1995) and Moorhead (2003) wastewater treatment facilities.
Red	09020305-509		Walker Brook, Walker Bk Lk to Clearwater R	unlisted 2B	Oxygen, Dissolved	2002	none	wait	Pending. request to move to Category 4D 'natural causes'. Additional information will be provided
Red	09020305-510	013	Clearwater River, Ruffy Bk to Lost R	unlisted 2B	Fecal coliform	2002	none	No	Further review of data indicates there are uncertainties about the impairment assessment. Once all new data are verified and entered in STORET the assessment will be reevaluated.
Red	09020314-501	002	Roseau River, Hay Cr to Canadian Border	unlisted 2B	Oxygen, Dissolved	1996	none	wait	Request from project staff to wait until next year to review
Rainy	09030009-501	116	Williams Creek, Headwaters to Zippel Creek	unlisted 2B	Oxygen, Dissolved	1996	none	No	Delisting request withdrawn 08-02-06. Additional monitoring planned.
Missouri	10170204-501	025	Rock River, Elk Cr to IA border	2C,3B	Ammonia (un-ionized)	1994	2004, 2006	Yes	Delist based on new monitoring data, including data from Iowa Dept Natural Resources.
St Croix	82-0153		Sunset Lake	unlisted 2B	Nutrient/ Eutrophication Biological Indicators	2002	none	Yes	Delist based on new data indicating a statistically significant improving trend in water clarity

Basin	AUID or Lake or Wetland ID#	Prev ID	Waterbody Name and Description	Use Class	Pollutant or Stressor	First listed	Previous Delisting Reviews	06 Delist Decision	Comments
Lake Superior	04010102-508	102	Talmadge River, Headwaters to Lk Superior	1B,2A,3B	Oxygen, Dissolved	1996	2004	No	delisting request withdrawn 03-07-05. Watershed undergoing rapid change
Upper Miss	07010101-501	004	Mississippi R, Vermillion R to Blackwater/Pokegama Lk	2B,3B	Oxygen, Dissolved	1994		No	Additional data continue to show violations, borderline
Upper Miss	07010101-504	033	Mississippi R, Headwaters to Schoolcraft R	2B,3B	Oxygen, Dissolved	1994		wait	Pending. request to move to Category 4D 'natural causes'. Additional information will be provided
Upper Miss	07010103-502	023	Mississippi R, Prairie R to Split Hand Cr	2B,3B	Turbidity	1998		Yes	Delist based on new more comprehensive data.
Upper Miss	07010103-503	131	Mississippi R, Grand Rapids dam to Prairie R	2B,3B	Oxygen, Dissolved	1998		Yes	Delist based on new more comprehensive data.
Upper Miss	07010103-506	013	Swan River, Swan Lk (31-0067) to Mississippi R	unlisted 2B	Oxygen, Dissolved	2004		No	New data insufficient, does not target critical conditions
Upper Miss	07010104-502	030	Swan River, Headwaters (Big Swan Lk, 770023) to Mississippi R	unlisted 2B	Fecal coliform	1994		Yes	Delist based on new, more comprehensive data. Action in watershed: feedlot upgrade, feedlot inspections, BMPs.
Upper Miss	07010104-503	015	Mississippi R, Rice R to Little Willow R	2B,3B	Turbidity	1998		No	Additional data shows exceedances. Delisting request withdrawn 06-16-05.
Upper Miss	07010203-548	302 504	Elk River, St Francis R to Orono Lk	unlisted 2B	Oxygen, Dissolved	2004		Yes	Delist based on new more comprehensive data.
Upper Miss	07010206-503	202	Mississippi R, Lower St Anthony Falls to L&D #1 (RM853.3 to RM847.6)	unlisted 2B	Fecal coliform	2002	2004 alternative analysis	No	Additional data continues to show violations when data are analyzed by individual month and aggregated over a shorter two year time period
Upper Miss	07010206-568	006 507	Mississippi R, Class 1C,2Bd,3B drinking water portion (Kings Island) to Rum R	1C,2Bd,3B	Fecal coliform	2002	2004 alternative analysis	No	Additional data continues to show violations when data are analyzed by individual month and aggregated over a shorter two year time period
Minn	07020002-501	001	Pomme de Terre R, Muddy Cr to Minnesota R (Marsh Lk)	unlisted 2B	Oxygen, Dissolved	1994	2002, 2004	Yes	Delist based on new monitoring data. Action in watershed: removal of dam at Appleton
Minn	07020005-501	001	Chippewa R, Watson Sag Diversion to Minnesota R	unlisted 2B	Ammonia (un-ionized)	1994	2002	Yes	Delist based on new monitoring data. Action in watershed: upgrade of Montevideo wastewater facility (1994)
Minn	07020006-502	106	Redwood R, T111,R42W,s.33 to Threemile Cr	unlisted 2B	Ammonia (un-ionized)	1992	2002, 2004	No	Additional monitoring data continues to show violations
Minn	07020009-560	506 405	Cedar Creek, T104,R33W,s.6 to Cedar Lk	2C	Oxygen, Dissolved	1994		No	Additional data not collected under critical conditions (early morning) and no additional information on actions taken in watershed
Minn	07020009-560	405 506	Cedar Creek, T104,R33W,s.6 to Cedar Lk	2C	Ammonia (un-ionized)	1994		Yes	Delist based on new monitoring data. Action in watershed: Individual Sewage Treatment System (ISTS) upgrades and feedlot inspections and manure management plans
Minn	07020012-501	004	Minnesota R, Bevans Cr to Sand Cr	unlisted 2B	Fecal coliform	2002		No	Further analysis of large data set continues to show exceedances
Minn	07020012-505	101	Minnesota R, RM22 to Mississippi R	2C,3B	Fecal coliform	1994	2004	No	Further analysis of large data set continues to show exceedances
Minn	07020012-515	006	Bevens Creek, Headwaters (Washington Lk) to Silver Cr	unlisted 2B	Chloride	2002		No	Need additional monitoring data during critical conditions for 3 yr period.
Lower Miss	07040003-560	510 506	Mississippi R, Chippewa R to HUC (L&D #6) RM763.5 to RM711.5	unlisted 2B	Fecal coliform	2002		No	Need additional data, too few data for L&D #5 site
Lower Miss	07060001-509	021 501	Mississippi R, Root R to Iowa Border RM693.7 to RM673.8	unlisted 2B	Turbidity	1998		No	LTRMP data needs further review, main channel vs impounded sites.
Des Moines	07100001-501	101	Des Moines R, Windom dam to Jackson dam	unlisted 2B	Ammonia (un-ionized)	1994		No	Delisting data marginal.
Red	09020101-502	114	Rabbit River, Wilkin Co Line to Bois de Sioux R	2C	Ammonia (un-ionized)	1994	2004	Yes	Delist based on new monitoring data.
Red	09020103-502	101	Otter Tail River, Breckenridge Lk to Bois de Sioux R	1C,2Bd,3B	Fecal coliform	1994	2004	Yes	Delist based on new monitoring data.
Red	09020305-510	013	Clearwater Rlver, Ruffy Bk to Lost R	unlisted 2B	Oxygen, Dissolved	2002	2004	No	Need additional data, extensive reach (58 miles) and new data at only two stations
Red	09020305-516	015	Clearwater River, Trout stream portion	1B,2A,3B	Fecal coliform	2002	2004	Yes	Delist based on new more comprehensive data. Action in watershed: upgrade of Bagley wastewater treatment facility and feedlot management practices
Missouri	10170204-501	025	Rock River, Elk Cr to MN/IA Border	2C,3B	Ammonia (un-ionized)	1994	2004	No	Need additional data at appropriate sites during critical time period and flows



Basin	AUID or Lake or Wetland ID#	Prev ID	Waterbody Name and Description	Use Class	Pollutant or Stressor	First listed	Previous Delisting Reviews	04 Delist Decision	Comments
Lake Superior	04010102-508	102	Talmadge R, Headwaters to Lk Superior	1B,2A,3B	Oxygen, Dissolved	1996		No	Delisting request withdrawn. Watershed undergoing rapid change
Upper Miss	07010201-545	005 506	Platte R, Unnamed Cr (above RR Bridge) to Mississippi R	unlisted 2B	Fish Bioassessments	2002		Yes	Originally listed in 2002 as -506. Split in 2003 into -545 and -546. DNR fish collection data from 2003 shows -545 fully supporting.
Upper Miss	07010203-501	210	Mississippi R, Sauk R to St.Cloud Dam	1C,2Bd,3B	Fecal coliform	1994		Yes	Delist based on additional data received from St.Cloud Public Utilities in a 02/06/04 letter
Upper Miss	07010204-501	017	Jewitts Cr, Headwaters to North Fork Crow	2C	Ammonia (un-ionized)	1994	2002	No	Recent data continue to show exceedances.
Upper Miss	07010206-503	202	Mississippi R, Lower St.Anthony Falls to Lock & Dam # 1 (RM 853.3 to 847.6)	unlisted 2B	Fecal coliform	2002		No	Recent data continues to show exceedances when data are analyzed by individual month
Upper Miss	07010206-568	006 507	Mississippi R, Drinking water portion (Kings Island to Rum R)	1C,2Bd,3B	Fecal coliform	2002		No	Recent data continues to show exceedances when data are analyzed by individual month
Minn	07020002-501	001	Pomme de Terre R, Muddy Cr to Minnesota R (Marsh Lk)	unlisted 2B	Oxygen, Dissolved	1994	2002	No	Need additional monitoring data under low flow conditions
Minn	07020006-502	106	Redwood R, Below Trout Stream portion to Threemile Cr	unlisted 2B	Ammonia (un-ionized)	1992	2002	No	QAQC issues resolved. However, additional monitoring is needed under low flow conditions
Minn	07020006-505	009	Redwood R, Headwaters to Coon Creek	unlisted 2B	Fish Bioassessments	2002		No	Recent data show improved IBIs. However, improvement is at sites other than the one on which the listing was based.
Minn	07020009-503	010	Center Cr, Lily Cr to Blue Earth River	unlisted 2B	Ammonia (un-ionized)	1996	2002	No	Recent data continues to show exceedances.
Minn	07020012-505	101	Minnesota R, RM 22 to Mississippi R	2C,3B	Fecal coliform	1994		No	Recent data continues to show exceedances when data are analyzed by individual month
Minn	07020012-505	101	Minnesota R, RM 22 to Mississippi R	2C,3B	Oxygen, Dissolved	1998	2002	NA	TMDL approved by EPA September 2004
Lower Miss	07040001-531	006	Mississippi R, St. Croix R to Chippewa R	unlisted 2B	Ammonia (un-ionized)	1998		Yes	Delist based on more comprehensive data. Data from Long Term Resource Monitoring Program (LTRMP)
Lower Miss	07040006-509	002 502	Mississippi R, LaCrosse R to Pine Cr	unlisted 2B	Fecal coliform	1998		Yes	Delist based on new monitoring data, including data from LaCrosse County (WI)
Lower Miss	07040006-509	002 502	Mississippi R, HUC boundary (downstream of Richmond Island) to Root R	unlisted 2B	Ammonia (un-ionized)	501-94 502-98		Yes	Delist based on more comprehensive data. Includes data from Long Term Resource Monitoring Program (LTRMP)
Cedar	07080202-501	009	Shell Rock R, Albert Lea Lk to Goose Cr	unlisted 2B	Ammonia (un-ionized)	1994		Yes	Delist based on new monitoring data.
Red	09020101-502	114	Rabbit R, Wilkin County line to Bois de Sioux R	2C	Ammonia (un-ionized)	1994		No	Need additional monitoring data at appropriate sites for summer months based on listing data.
Red	09020103-502	101	Otter Tail R, Breckenridge Lk to Bois de Sioux R	1C,2Bd,3B	Fecal coliform	1994		No	Insufficient data, additional monitoring planned.
Red	09020103-532	501	Otter Tail R, Rice Lk to Mud Lk	1C,2Bd,3B	Oxygen, Dissolved	1998		No	Recent data shows higher percentage of exceedances than original listing data.
Red	09020103-535	501	Otter Tail R, Little Pine Lk to Pine Lk	1C,2Bd,3B	Oxygen, Dissolved	1998		No	DO brought forward from "parent" reach - 501. Need additional data
Red	09020305-510	013	Clearwater R, Ruffy Bk to Lost R	unlisted 2B	Oxygen, Dissolved	2002		No	Need additional monitoring data at appropriate sites for summer months
Red	09020305-516	015	Clearwater R, Trout Stream portion	1B,2A,3B	Fecal coliform	2002		No	Recent data continues to show exceedances.
Missouri	10170204-501	025	Rock R, Elk Cr to MN/IA border	2C,3B	Ammonia (un-ionized)	1994		No	Need additional data at appropriate sites during critical time period and flows
Upper Miss	82-0115	-	Tanners Lake	unlisted 2B	Nutrient/ Eutrophication Biological Indicators	2002		Yes	Delist based on new monitoring data. Action in watershed: improvements to sedimentation ponds and facility built to treat stormwater with alum (1998)

## Delisting Decisions for 2002 Listing Year

Basin	AUID or Lake or Wetland ID#	Prev ID	Waterbody Name and Description	Use Class	Pollutant or Stressor	First listed	Previous Delisting Reviews	02 Delist Decision	Comments
Lake Superior	04010102-501	009	Beaver R, Headwaters to Lake Superior	1B,2A,3B	Turbidity	1996		No	Recent data continue to show exceedances.
Upper Miss	07010204-501	017	Jewitt's Creek, Headwaters to N Fork Crow R	2C	Ammonia (un-ionized)	1994		No	July 2001 NPDES permit authorizes construction of expanded Litchfield WWTP, ammonia variance removed. Expect facility upgrade complete by June 2004. Need additional data at low flows.
Minnesota	07020001-501	002	Minnesota R, Lac Qui Parle Lk above Emily Cr	1C,2Bd,3B	Ammonia (un-ionized)	1992		No	Need additional data during low flow conditions. <b>Correction 8-07, listing data on 07020001-517 (006)</b>
Minnesota	07020002-501	001	Pomme de Terre R, Muddy Cr to Minnesota R (Marsh Lk)	unlisted 2B	Oxygen, Dissolved	1994		No	Need additional monitoring data under low flow conditions
Minnesota	07020003-501	002	LacQui Parle R, W Br Lac Qui Parle R to Ten Mile Cr	2C,3B	Oxygen, Dissolved	1994		No	Need additional data, no data collected since 1987
Minnesota	07020004-501	019	Minnesota R, Chippewa R to Stony Run Cr	1C,2Bd,3B	Fecal coliform	1994		No	Data used for listing and new dataset were for different months, need additional data for appropriate months
Minnesota	07020004-502	022	Yellow Medicine R, Spring Cr to Minnesota R	unlisted 2B	Fecal coliform	1994		Yes	Delist based on new monitoring data.
Minnesota	07020005-501	001	Chippewa River, Dry Weather Creek to Minnesota River.	unlisted 2B	Ammonia (un-ionized)	1994		No	NPDES permit for Montevideo WWTP facility upgrade in 1994 included new ammonia limits. Need additional data after upgrade.
Minnesota	07020006-502	106	Redwood R, below trout stream portion to Threemile Cr	unlisted 2B	Oxygen, Dissolved	1992		Yes	Delist based on new monitoring data. Action in watershed: upgrade of Marshall wastewater treatment facility (1994)
Minnesota	07020006-502	106	Redwood R, below trout stream portion to Threemile Cr	unlisted 2B	Ammonia (un-ionized)	1992		No	QAQC issues with the data, discrepant results, needs additional review and more data.
Minnesota	07020007-503	010	Minnesota R, Cottonwood R to Little Cottonwood R	unlisted 2B	Fecal coliform	1994		Yes	Delist based on new monitoring data.
Minnesota	07020009-503	010	Center Cr, Lily Cr to Blue Earth River	unlisted 2B	Ammonia (un-ionized)	1996		No	Ambient data collected by Fairmont 1990-1992 shows exceedances.
Minnesota	07020009-505	204	JD 3, Headwaters to Elm Cr	unlisted 2B	Oxygen, Dissolved	1996		No	Need additional data, monitoring planned by Martin County
Minnesota	07020012-501	004	Minnesota R, Bevans Cr to Sand Cr	unlisted 2B	Oxygen, Dissolved	1998		Correction to list (remove)	DO impairments that may occur under low flow conditions, would occur only downstream of RM22 in the deeper dredged section of the river
Minnesota	07020012-505	101	Minnesota R, RM 22 to Mississippi R	2C,3B	Oxygen, Dissolved	1998		No	DO impairments may occur under low flow conditions downstream of RM22
Minnesota	07020012-506	201	Minnesota R, Carver Cr to RM 22	unlisted 2B	Oxygen, Dissolved	1998		Correction to list (remove)	DO impairments that may occur under low flow conditions, would occur only downstream of RM22 in the deeper dredged section of the river
Minnesota	07020012-532	003	Minnesota R, Sand Cr to Carver Cr	unlisted 2B	Oxygen, Dissolved	1998		Correction to list (remove)	DO impairments that may occur under low flow conditions, would occur only downstream of RM22 in the deeper dredged section of the river
Lower Miss	07040003-501	008	Mississippi river, Zumbro R to Whitewater R	unlisted 2B	Turbidity	1998		Correction to list (remove)	There was not enough data to assess in 1998, it was an error to do so. More recent data from LTRMP shows no exceedances.
Lower Miss	07040003-554	120 504	Whitewater River, North Fork; Unnamed Cr to Middle Fk, Whitewater R.	1B,2A,3B	Turbidity	1996		No	Incorrectly listed on the 1998 list. Based on more current data, it should be, and is, on the 2002 list.
Red	09020103-501	014	Otter Tail R, Height of Land Lk to Pine Lk	1C,2Bd,3B	Oxygen, Dissolved	1998		No	Recent data continue to show exceedances.
Red	09020103-503	701	Otter Tail R, Pelican R to Dayton Hollow Reservoir	1C,2Bd,3B	Turbidity	1996		Yes	Delist based on new monitoring data.
Missouri	10170203-507	132	Split Rock Creek, Unnamed Cr to Split Rock Cr	2C,3B	Oxygen, Dissolved	1994		No	New Jasper WWTP (ponds) online June 1996 with new discharge location. Need additional data during low flow conditions.