UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7
901 NORTH 5TH STREET
KANSAS CITY, KANSAS 66101

AUG 4 2010

Mr. Wayne Gieselman, Director
Environmental Protection Division
Iowa Department of Natural Resources
Wallace Building
502 East 9th Street
Des Moines, Iowa 50319

Dear Mr. Gieselman:

The U.S. Environmental Protection Agency (EPA) has completed its review of the 2008 Iowa Clean Water Act (CWA), Section 303(d) List of water quality-limited segments still requiring Total Maximum Daily Loads (TMDLs). The list was submitted by the Iowa Department of Natural Resources (IDNR) on April 23, 2009, and received by EPA on May 1, 2009. Subsequent to EPA initial review, IDNR re-submitted the 2008 Iowa CWA Section 303(d) List on April 28, 2010, which EPA received on May 5, 2010.

IDNR's 303(d) List submittal included:

1) Iowa's final 2008 CWA, Section 303(d) impaired waters list (including a list of priority waters for TMDL development),
2) the full Integrated Report for 2008,
3) IDNR's 2008 assessment and listing methodology, a summary of waters removed from Iowa's 2006 Section 303(d) List,
4) a public participation responsiveness summary,
5) copies of all public comments, and
6) a response to EPA comments and questions provided during EPA's review of the May 1, 2009 submittal.

IDNR's submission is formatted consistent with EPA guidance regarding "integrated reporting" and therefore, contains five separate categories of listing waters. There are 434 water body segments and 586 impairments within Category 5 of Iowa's integrated report which constitutes Iowa's list of water quality-limited segments still requiring TMDLs subject to EPA approval.

Based on its review, EPA has determined that IDNR's list of water quality-limited segments and their impairments still requiring TMDLs meets the requirement of Section 303(d) of the CWA and EPA's implementing regulations. EPA is therefore approving the 2008 Iowa CWA, Section 303(d) List.

I congratulate you and your staff for the completion of the list development and submission process. This process requires a significant amount of staff resources and involves a complex evaluation and assessment of water quality data. We look forward to working with IDNR on the development of the 2010 Section 303(d) List in the near future.

If you would like to further discuss EPA's action, please contact me at 913-551-7401, or John DeLashmit, Chief, Water Quality Management Branch, at 913-551-7821.

Sincerely,

William A. Spratlin
Director
Water, Wetlands and Pesticides Division

Enclosure

DECISION DOCUMENT OF THE 2008 IOWA CLEAN WATER ACT, SECTION 303(D) LIST WATER QUALITY LIMITED SEGMENTS STILL REQUIRING TMDLS

I. EXECUTIVE SUMMARY

On May 1, 2009, the Iowa Department of Natural Resources (IDNR) submitted its 2008 update to its Clean Water Act (CWA) Section 303(d) List to the United States Environmental Protection Agency (EPA) for review, herein referred to as the submittal. In response to EPA questions IDNR submitted an amended version of the 2008 submittal for approval on May 5, 2010. Following its review of Iowa's complete submittal, EPA is approving the state's removal of 54 water bodies representing 61 impairments and the addition of 183 water bodies representing 205 impairments to the state's CWA Section 303(d) List. This document summarizes EPA's review and the basis for its decision.

Section 303(d)(1) of the CWA directs states to identify those waters within their jurisdictions for which effluent limitations required by Section 301(b)(1)(A) and (B) are not stringent enough to implement any applicable water quality standard (referred to as 'water quality-limited segments' defined in 40 C.F.R. 130.7), and to establish a priority ranking for such waters, taking into account the severity of the pollution and the uses to be made of such waters. The CWA Section 303(d) listing requirement applies to water quality-limited segments impaired by pollutant loadings from both point and/or nonpoint sources. After a state submits its CWA Section 303(d) list to EPA, the Agency is required to approve or disapprove that list.

Iowa's 2008 submittal is an update to the state's most recently approved CWA Section 303(d) List, approved by EPA on July 14, 2008 (i.e., the state's 2006 CWA Section 303(d) List). In its submittal, IDNR included its assessment methodology to identify waters that do not meet the state's approved water quality standards and, therefore, are required to be included on CWA Section 303(d) lists. This 2008 assessment methodology includes revisions to the methodology utilized to develop the 2006 CWA Section 303(d) List for Iowa. Water quality data that meet the assessment criteria included within the state's 2008 revised methodology were evaluated by IDNR. Those waters determined to be water quality-limited were submitted to EPA as an update to the CWA Section 303(d) List. The methodology establishes specific protocols and thresholds for assessing water bodies, in addition to data sufficiency and data quality requirements. The methodology contains procedures for assessing both aquatic life use support and human health use support.

In 2000, the Iowa legislature enacted its "Credible Data Law" which sets out, in statute, minimum requirements for the use of water quality data for purposes of state water quality standards development and review, water quality assessment, changes to the state's CWA Section 303(d) list, determining designated use support or classification, identification of water quality degradation and establishment of TMDLs. IDNR has stated that nearly all recent water quality data have already been used for Section 305(b) assessments and thus have already been considered for Section 303(d) listings. Also, a listed water body will not be removed from the

state's Section 303(d) List simply because the data upon which the impairment was based have aged beyond five years.

All waters which were included in Iowa's approved 2008 CWA Section 303(d) List will remain on the state's CWA Section 303(d) List, unless IDNR removes a water body from a future list and EPA approves the removal. IDNR's submittal for EPA review includes an updated list reflecting, among other things:

- additional water bodies which IDNR determined to be water quality-limited segments pursuant to the state's listing methodology and, therefore, included in the update of the CWA Section 303(d) List which IDNR submitted to EPA for review; and

- water bodies included on Iowa's previously approved 2006 CWA Section 303(d) List which were determined not to need TMDLs pursuant to the listing methodology and, therefore, removed from the update of the CWA Section 303(d) List submitted to EPA for review.

While the guidelines, protocols, and requirements in state statute and the IDNR methodology might be useful tools for IDNR to use in identifying impaired waters, they are not part of the state's water quality standards. Hence, EPA did not rely solely on the statute or the methodology in reviewing Iowa's list. Instead, EPA reviewed all available information including any information excluded under the state's methodology, to determine if the state's list was developed consistent with the underlying state water quality standards. EPA's review process generally followed a two-step analysis:

1) the Region reviewed the state's listing methodology, including data collection and data assessment requirements, to determine whether, based on Iowa's approved water quality standards, the methodology was a reasonable method for identifying water quality-limited segments; and

2) where EPA was unsure whether the methodology was a reasonable method for identifying water quality-limited segments, the Region requested additional information from IDNR to conduct further water body and data analysis.

Following EPA's decision on Iowa's 2008 submission, the current CWA Section 303(d) List in the state of Iowa contains:

- approved additions and removals to the 2006 CWA Section 303(d) List (Table 1); and
- an approved 2008 CWA Section 303(d) list (Table 2).

The statutory and regulatory requirements relevant to CWA Section 303(d) lists, and EPA's review of Iowa's compliance with each requirement, are described in detail below.

II. STATUTORY AND REGULATORY BACKGROUND

A. Identification of Water Quality-limited Segments for Inclusion on the CWA Section 303(d) List

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

EPA regulations at 40 CFR 130.7(b)(1) provide that states do not need to list waters where the following controls are adequate to implement applicable standards:

- technology-based effluent limitations required by the CWA;
- more stringent effluent limitations required by state or local authority; and
- other pollution control requirements required by state, local, or federal authority.

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

In developing Section 303(d) lists, states are required to assemble and evaluate all existing and readily available water quality related data and information, including, at a minimum, consideration of existing and readily available data and information about the following categories of waters:

- waters identified as partially meeting or not meeting designated uses, or as threatened, in the state's most recent Section 305(b) report;
- waters for which dilution calculations or predictive modeling indicate non-attainment of applicable standards;
- waters for which water quality problems have been reported by governmental agencies, members of the public, or academic institutions; and
- waters identified as impaired or threatened in any Section 319 nonpoint assessment submitted to EPA (see 40 CFR 130.7(b)(5)).

States are also required to consider any other data and information that is existing and readily available. EPA's 1991 Guidance for Water Quality-Based Decisions describes categories of water quality related data and information that may be existing and readily available (see Guidance for Water Quality-Based Decisions, The TMDL Process, EPA Office of Water, 1991, Appendix C ("EPA's 1991 Guidance")). While states are required to evaluate all existing and readily available water quality-related data and information, states may decide to rely or not rely on particular data or information in determining whether to list particular waters.

In addition to requiring states to assemble and evaluate all existing and readily available water quality-related data and information, EPA regulations at 40 CFR 130.7(b)(6) require states

to include as part of their submissions to EPA, documentation to support decisions to rely or not to rely on particular data and information and decisions to list or not to list waters. Such documentation needs to include, at a minimum, the following information:

- a description of the methodology used to develop the list;
- a description of the data and information used to identify waters;
- a rationale for any decision to not use any existing and readily available data and information; and
- any other reasonable information requested by the Region.

C. Priority Ranking

EPA regulations also codify and interpret the requirement in the CWA, Section 303(d)(1)(A) of the Act, that states establish a priority ranking for listed waters. The regulations at 40 CFR 130.7(b)(4) require states to prioritize waters on their Section 303(d) lists for TMDL development, and also to identify those water quality-limited segments (WQLS) targeted for TMDL development in the next two years. In prioritizing and targeting waters, states must, at a minimum, take into account the severity of the pollution and the uses to be made of such waters (see CWA Section 303(d)(1)(A)). As long as these factors are taken into account, the Act provides that states establish priorities. States may consider other factors relevant to prioritizing waters for TMDL development, including immediate programmatic needs, vulnerability of particular waters as aquatic habitats, recreational, economic, and aesthetic importance of particular waters, degree of public interest and support, and state or national policies and priorities (see 57 FR 33040, 33045 [July 24, 1992], and EPA's 1991 Guidance).

III. IOWA'S APPROACH TO IDENTIFYING WATERS FOR THE 2008 SECTION 303(D) LIST

A. Iowa's 2008 Integrated Report Format

EPA guidance for states in meeting the requirements of CWA Section 303(d) recommends a format which integrates the requirements of both CWA Sections 305(b) and 303(d) in creating a five category "integrated report" format. The 2008 Iowa submission under CWA Section 303(d) is the third submission by the state of Iowa using this "integrated report" format. Category 5 of the 2008 integrated report (IR) constitutes Iowa's list of impaired waters for purposes of CWA Section 303(d), and is subject to EPA review and approval. EPA is taking action only on Category 5 which includes water quality-limited segments still requiring TMDLs. The following describes the five categories constituting Iowa's IR and the number of water bodies assigned to each category by IDNR. Under Iowa's five category system, most water bodies are assigned to one category. The information below regarding Categories 1-4 is provided for information purposes only, as EPA does not approve Categories 1-4 but does approve Category 5.

Category 1 consists of 15 water body segments attaining all designated uses and no use is threatened.

Category 2 consists of 374 water body segments for which some, but not all, designated uses are attained and none are threatened. Attainment status of the remaining designated uses is unknown because data are insufficient to categorize a water body consistent with the state's listing methodology.

Category 3 consists of 1207 water body segments for which there are insufficient or no data and information to determine, consistent with the state's listing methodology, if any designated use is impaired or attained.

Category 4 consists of 107 water body segments for which one or more designated uses are impaired or threatened but establishment of a TMDL is not required.

Category 5 consists of 434 water body segments for which one or more pollutants has caused, is suspected of causing, or is projected to cause an impairment or threat of impairment of one or more designated uses and the establishment of a TMDL is required. This category also includes those segments for which impairment is indicated, but the cause or source is unknown and segments for which the impairment is to a presumed use. In total this category contains 586 impairments.

The state's IR format includes sub-categories within Categories 2, 3, 4 and 5. Only water body segments within Category 5 are subject to EPA approval. Within Categories 2 and 3, IDNR has added Categories 2b and 3b which include those water body segments for which there is "evaluated data" which suggest a potential impairment. According to IDNR's methodology, "waters 'evaluated' as impaired are identified as having insufficient data to determine whether beneficial uses are met." In short, those data determined by IDNR to be "evaluated data" are not deemed by IDNR to be of adequate quality or quantity to support a determination that a use designated within state water quality standards is or is not being met. Iowa's use of a category of "evaluated data" for statistical analysis is allowed in EPA guidance. Iowa uses this analysis to ensure statistical certainty before listing a water body segment as impaired. The 196 water body segments listed within Categories 2b and 3b where there is a potential impairment are placed by IDNR on a list of waters in need of further investigation. This list serves to support EPA's evaluation of IDNR's data assessment process and its determination that all water quality-limited segments were listed by IDNR in Category 5.

The state's IR format also incorporates an expansion of Category 4 into four sub-categories. Sub-category 4a includes waters that are threatened or impaired, but for which a TMDL has been completed and approved. Sub-category 4b includes waters that are threatened or impaired, but for which "other required control measures are expected to result in the attainment of water quality standards." Sub-category 4c includes waters where the "threat or impairment is not caused by a pollutant." Sub-category 4d includes waters impaired by a fish kill but enforcement actions have been taken against a responsible party. Sub-categories 4a through 4c are recognized within EPA guidance for the development of an integrated report. However, sub-category 4d constitutes a variation on EPA guidance. EPA's review of the state categories and sub-categories was conducted within the context of whether or not a water body

segment should be listed within Category 5 based on existing and readily available data and information.

The state's IR format also included three sub-categories within Category 5 which distinguish between whether the cause of impairment is known (Category 5a), the cause of impairment is unknown (Category 5b), or the cause of the impairment is presumptive pending the completion of use attainability analyses (Category 5p) .

B. Iowa's 2008 Methodology

IDNR's "Methodology for Iowa's 2008 Water Quality Assessment, Listing, and Reporting Pursuant to Sections 305(b) and 303(d) of the Federal Clean Water Act," (April 2009), guides IDNR's evaluation of "existing and readily available water quality-related data and information" (40 CFR 130.7(b)(5)) and identification of "water quality-limited segments still requiring TMDLs" (40 CFR 130.7(a). As described earlier, Category 5 of the 2008 list constitutes Iowa's list of impaired waters for purposes of CWA Section 303(d) and is subject to EPA review and approval. EPA is taking action only on Category 5 which consists of water quality-limited segments still requiring TMDLs.

Changes in IDNR's methodology include: 1) using a screening of greater than 10% of grab samples exceeding chronic water quality criteria to determine impairment in concurrence with EPA Integrated Reporting Guidance, 2) delisting of waters determined to be impaired based on fish kills now requires biological monitoring indicating recovery of the aquatic life use and, 3) the addition of a subcategory 5p to list waters exhibiting impairment of a presumptive use.

According to the state's "Listing Methodology," data sources used to assess water quality conditions in Iowa for purposes of Section 305(b) reporting and to aid in developing the state's 303(d) list include:

1) Physical, chemical, and biological data from ambient fixed station water quality monitoring networks conducted by IDNR and other agencies (e.g., U.S. Geological Survey, U.S. Army Corps of Engineers);

2) Data from water quality monitoring conducted by adjacent states on border rivers and waters flowing into the state;

3) Data from biological monitoring being conducted by IDNR in cooperation with the University of Iowa Hygienic Laboratory (UHL) as part of a current effort to establish biological criteria for Iowa's ecoregions and subecoregions and as part of the on-going Regional Environmental Monitoring and Assessment Program (REMAP) project;

4) Data from the IDNR-sponsored statewide lake monitoring project conducted by Iowa State University and UHL;

5) Data from monitoring of bacterial indicators in rivers and at beaches of publicly-owned lakes;

6) Data from programs to monitor fish tissue for toxic contaminants;

7) Reports of pollutant-caused fish kills;

8) Data, when available, from public water supplies on the quality of raw and finished water;

9) Drinking water source assessments under Section 1453 of the Safe Drinking Water Act;

10) Data from special studies of water quality and aquatic communities;

11) Best professional judgment of IDNR staff;

12) Results of volunteer monitoring (e.g., by IOWATER trained volunteers); and

13) Water related information received from the public.

Additionally, sources of all existing and readily available water quality related data and information to be considered specifically for developing the state's 303(d) list include, but are not limited to, the following:

1) Iowa's most recent 305(b) report;

2) CWA Section 319 nonpoint source assessments;

3) Dilution calculations, trend analyses, or predictive models for determining the physical, chemical, or biological integrity of streams, rivers, lakes, and estuaries; and

4) Water quality related data and water related information from local, state, territorial, or federal agencies (especially the U.S. Geological Survey's National Water Quality Assessment Program and National Stream Quality Accounting Network), tribal governments, members of the public, and academic institutions.

C. Coordination with Other States on the Mississippi and Missouri Rivers

EPA's Guidance for 2006 Assessment, Listing and Reporting Requirements Pursuant to Sections 303(d), 305(b) and 314 of the Clean Water Act contains recommendations on how states should handle shared waters with regard to the sharing of water quality data, assessment decisions for those shared waters, and accounting for the listing decision inconsistencies between states. The guidance further recommends that EPA Regional offices and Interstate Commissions, where applicable, should assist in resolving inconsistencies among states with shared waters, where they arise.

IDNR's 2008 assessment methodology specifically addresses IDNR's coordination efforts with other state agencies regarding data assembly and evaluation for "border rivers and waters flowing into the state." Due to a 2004 interstate agreement (memorandum of understanding) developed by the Upper Mississippi River Basin Association's Water Quality Task Force, IDNR implemented the uniform assessment reaches for the Iowa reach of the Upper Mississippi River that are consistent with assessment reaches used by the adjacent states of Wisconsin and Illinois. Data from water quality monitoring conducted by adjacent states on border rivers and waters flowing into the state include data from: South Dakota, Minnesota, Wisconsin, Illinois, Missouri, and Nebraska. Data from fixed-station ambient water quality monitoring programs were used for purposes of water quality assessments in Iowa. These continuing efforts will improve states' efforts to satisfy the requirements of CWA Sections 305(b) and 303(d) for data assembly and evaluation for border rivers and waters flowing into the state.

IV. EPA ANALYSIS OF IOWA'S APPROACH TO LISTING WATERS FOR THE 2008 LIST

EPA is approving Iowa's 2008 CWA Section 303(d) List, based on the requirements of Section 303(d) of the CWA and 40 CFR 130.7. EPA's action is based on its analysis of whether IDNR reasonably identified all water quality-limited segments requiring listing. In determining whether IDNR reasonably identified all water quality-limited segments still needing a TMDL, EPA first looked at IDNR's use support determinations as documented in the state's ADB+ database.

IDNR's 2008 assessment methodology identifies a general "cutoff date" as the end of calendar year 2006, for data collection in support of IDNR's water quality data assessment. EPA guidance recognizes the appropriateness of a reasonable data collection cutoff date allowing states to initiate actual data assessment and list preparation. Data not considered for the 2008 assessment should be considered for the 2010 submission. Despite the application of a "cutoff date" by IDNR for the development of the 2008 list, IDNR considered data submitted as part of the state's public notice and comment period from December 10, 2008 through February 5, 2009. EPA believes IDNR complied with the requirements of federal regulations at 40 CFR 130.7(b)(5) regarding the assembly and evaluation of all existing and readily available water quality-related data and information.

The 2008 assessment methodology also discusses IDNR's treatment of water quality-related data collected more than five years prior to the current assessment period. Federal regulations and guidance recognize that, in some instances, older data might not reflect current water quality conditions. Where the state demonstrates "good cause" for not including older data in the derivation of its list, federal regulations at 40 CFR 130.7(b)(6)(iv) provide for the state not including a water or waters on its list. However, a demonstration of "good cause" relies on the state showing that there are changes in condition in the watershed or water body which result in older data not being representative of current water quality status. According to IDNR's 2008 methodology, recent water quality data have already been used for Section 305(b) assessments

and thus have already been considered for Section 303(d) listings. There are no water bodies left off the list because the data were more than five years old. Also, a listed water body will not be removed from the state's Section 303(d) list simply because the data upon which the impairment was based have aged beyond five years.

To confirm that Iowa's CWA Section 303(d) list was developed in a manner compliant with the requirements at 40 C.F.R. Part 130.7 (regarding the assembly and evaluation of "all existing and readily available water quality-related data and information"), EPA reviewed the information contained in IDNR's ADB+ database for all waters listed in Iowa's Integrated Report Categories 5a, 5b, 5p, and all waters proposed for delisting.

V. EPA ANALYSIS OF IDNR CHANGES TO THE STATE'S CWA SECTION 303(D) LIST

EPA compared waters listed in Category 5 of the state's 2006 IR with waters listed in Category 5 of the state's 2008 IR to determine whether waters were removed from the list, pollutants identified as causing impairment were changed, or water body descriptions had changed. In each case, such changes could constitute a change to the state's CWA Section 303(d) list requiring EPA approval. As described earlier in this document, Iowa's 2008 CWA Section 303(d) List is a part of the state's IR. The IR format is consistent with EPA guidance and includes five categories of waters. Category 5 of the state's IR constitutes the state's 2008 CWA Section 303(d) List.

In its review of the state's 2008 list, EPA has reviewed Iowa's description of the data and information the state relied upon in developing its list, its methodology for identifying water bodies and IDNR's responses to public comment. In accordance with 40 CFR 130.7(d)(2), EPA is approving Iowa's 2008 CWA Section 303(d) List (Category 5 of their 2008 IR), consisting of a total of 434 water bodies with 586 water body / pollutant combinations.

Waters proposed by IDNR for exclusion from Category 5 of Iowa's 2008 CWA Section 303(d) List or for changes in their listing status which could be considered as a change to the CWA Section 303(d) list (e.g., segment description changed, listed causal pollutant changed) are identified below.

As a result of IDNR's changes to the list of water bodies which were modified or removed from Iowa's CWA Section 303(d) list, EPA initiated its review of 54 water bodies to determine whether IDNR had "good cause" for modifying or not including these waters on its 2006 CWA Section 303(d) List.

A. Waters Removed by IDNR from Iowa's CWA Section 303(d) List and Approved by EPA

EPA is approving the modification to or removal of 54 water bodies from the state's CWA Section 303(d) List consistent with the requirements of federal regulations at 40 CFR 130.7(b)(6)(iv). Section 40 CFR 130.7(b)(6)(iv) provides for the exclusion of waters from the

state's CWA Section 303(d) list. These regulations require that the state "demonstrate good cause" for not including water or waters on the list. The reasons for each delisting were included in the ADB submittal, and additional details were provided to EPA in the form of a responsiveness summary prior to the final section 303(d) list submittal. The following are the general reasons cited for removal of water bodies from the section 303(d) list:

- Recent data collected from a 303(d) listed segment indicated that a listed pollutant is no longer a potential cause of water quality impairment.
- Changes in water quality standards and/or assessment methods resulted in changes in the use support status of listing segments.
- The state review identified flaws in original listings, attributable to errors associated with segment identifiers, or the use of inapplicable criteria.

The rationale supporting the removal of these 54 waters from the state's list can be grouped into five general categories and are also identified below.

1. Waters with Approved TMDLs (12 waters)

Twelve water bodies were removed from the state's list because TMDLs have been developed for those waters and approved by EPA. In each instance, a TMDL has been developed for the listed pollutant or condition or IDNR and EPA have agreed that the TMDL will address the listed pollutant or condition. For some waters, they continue to be listed in Iowa's Category 5 for another pollutant or condition, or they are listed in another Category within Iowa's IR based on other water quality data. These waters are included in Table 1 with information regarding each TMDL described in the last column. Each water body and the rationale for moving it from Category 5 are listed below.

Cedar River (IA 02-CED-0030_2) A TMDL for nitrate was approved by EPA on January 24, 2007. The water body remains in Category 5a on the 2008 Iowa IR for the pollutant bacteria.

George Wyth Lake (IA 02-CED-00485-L_0) A TMDL for bacteria was approved by EPA on December 11, 2008. The water body is now listed in Category 4a on the 2008 Iowa IR.

East Fork Des Moines River (IA 04-EDM-0010_1) A TMDL for bacteria was approved by EPA on January 2, 2009. The water body is now listed in Category 4a on the 2008 Iowa IR.

East Lake (Osceola) (IA 04-LDM-02190-L_0) TMDLs for algae and turbidity were approved by EPA on May 14, 2008. The water body is now listed in Category 4a on the 2008 Iowa IR.

Raccoon River (IA 04-RAC-0010_1) TMDLs for bacteria and nitrate were approved by EPA on June 24, 2008. The water body is now listed in Category 4a on the 2008 Iowa IR.

Raccoon River (IA 04-RAC-0010_2) TMDLs for bacteria and nitrate were approved by EPA on June 24, 2008. The water body is now listed in Category 4a on the 2008 Iowa IR.

North Raccoon River (IA 04-RAC-0040_1) A TMDL for bacteria was approved by EPA on June 24, 2008. The water body is now listed in Category 4a on the 2008 Iowa IR.

North Raccoon River (IA 04-RAC-0040_5) A TMDL for bacteria was approved by EPA on June 24, 2008. This segment was also delisted for a biological impairment based on the use of a protocol not calibrated for a water body of its size (see delisting section below for a more thorough explanation of this delisting). The water body is now listed in Category 4a on the 2008 Iowa IR.

North Raccoon River (IA 04-RAC-0040_6) A TMDL for bacteria was approved by EPA on June 24, 2008. This segment was also delisted for a biological impairment based on the use of a protocol not calibrated for a water body of its size (see delisting section below for a more thorough explanation of this delisting). The water body is now listed in Category 4a on the 2008 Iowa IR.

Middle Raccoon River (IA 04-RAC-0200_3) A TMDL for nitrate was approved by EPA on June 24, 2008. The water body is now listed in Category 4a on the 2008 Iowa IR.

Milford Creek (IA 06-LSR-0300_0) A TMDL for allocating phosphorus to address a biological impairment was approved by EPA on December 11, 2008. This segment was also delisted for an ammonia impairment based on a change in the assessment methodology from more than one exceedance of the criterion in three years to significantly greater than 10% of the samples exceeding the chronic criterion (see delisting section below for a more thorough explanation of this delisting). The water body is now listed in Category 4a on the 2008 Iowa IR.

Blue Lake (aka Lewis and Clark Lake) (IA 06-WEM-00445-L_0) TMDLs for algae and turbidity were approved by EPA on January 2, 2009. The water body is now listed in Category 4a on the 2008 Iowa IR.

2. New Data Supports Change in Listing (22 waters)

a. New Water Quality Data (20 waters)

Twenty stream segments are being removed from the state's list based on new water quality data which indicates the use is supported with regard to the previously specified pollutants:

Mississippi River (IA 01-NEM-0010_1) New water quality data for bacteria from Illinois indicates this segment is meeting WQS. Category 5 listing based on Illinois listing and WQS are comparable for assessment purposes. The river segment now resides in Category 1 of the Iowa 2008 IR.

Mississippi River (IA 01-NEM-0010_2) New water quality data for bacteria from Illinois indicates this segment is meeting WQS. Category 5 listing based on Illinois listing and WQS are comparable for assessment purposes. This segment of the Mississippi River is still identified as impaired for arsenic and aluminum. The river segment now resides in Category 5a of the Iowa 2008 IR.

Mississippi River (IA 01-NEM-0010_3) New water quality data for bacteria from Illinois indicates this segment is meeting WQS. Category 5 listing based on Illinois listing and WQS are comparable for assessment purposes. The river segment now resides in Category 1 of the Iowa 2008 IR.

Mississippi River (IA 01-NEM-0010_4) New water quality data for bacteria from Illinois indicates this segment is meeting WQS. Category 5 listing based on Illinois listing and WQS are comparable for assessment purposes. This segment of the Mississippi River is still identified as impaired for aluminum and nutrients. The river segment now resides in Category 5a of the Iowa 2008 IR.

Wapsipinicon River (IA 01-WPS-0020_3) New water quality data for bacteria indicates this segment is meeting WQS. Geometric mean E. coli concentration of 57 colony forming units per 100 milliliters and single sample maximums only exceeded one time during the recreational seasons in the assessment period. The river segment now resides in Category 2b of the Iowa 2008 IR.

Lake Hendricks (IA 01-WPS-00375-L_0) New water quality data for dissolved oxygen indicates this water body is meeting WQS. This water body is still identified as impaired for algae (also a 2006 impairment) and pH (new impairment). This water body now resides in Category 5a of the Iowa 2008 IR.

Iowa River (IA 02-IOW-0030_1) New water quality data for bacteria indicates this segment is meeting WQS. This water body is still identified as impaired by a biological assessment of freshwater mussel species richness. This water body now resides in Category 5b of the Iowa 2008 IR.

Skunk River (IA 03-SKU-0010_1) New water quality data for dieldrin showed non-detectable concentrations in 34 samples collected during the assessment period. This segment now resides in Category 2a of the Iowa 2008 IR.

Morris Lake (IA 04-LDM-02294-L_0) New water quality data for atrazine indicates this water body is meeting WQS. This water body now resides in Category 2a of the Iowa 2008 IR.

Beaver Creek (IA 04-UDM-0110_1) New water quality data for total dissolved solids indicates this water body is meeting WQS. No violations were seen in monthly monitoring from 2002 through 2006. This water body is still identified for bacteria impairment of a presumptive use. This water body now resides in Category 5p of the Iowa 2008 IR.

Buttermilk Creek (IA 04-UDM-0247_0) New water quality data for the impact of gross pollution (organic enrichment/low dissolved oxygen) have been shown to be in compliance with narrative WQS. This water body is still identified as impaired for bacteria impairment of a presumptive use. This water body now resides in Category 5p of the Iowa 2008 IR.

Chariton River (IA 05-CHA-0030_1) New water quality data for pH indicate this segment is meeting WQS. This segment is still identified as impaired for dissolved oxygen. In addition there is a new bacteria impairment for a presumptive use on this segment. This segment now resides in both Category 5a and 5p of the Iowa 2008 IR.

Centerville Reservoir, lower (IA 05-CHA-00330-L_0) New water quality data for atrazine indicates this water body is meeting WQS. This water body now resides in Category 2a of the Iowa 2008 IR.

Fivemile Creek (IA 05-CHA-0077_0) New water quality data for dissolved oxygen indicates this segment is meeting WQS. This segment is still identified as impaired for bacteria based on a presumptive use. This segment now resides in Category 5p of the Iowa 2008 IR.

Little River Watershed Lake (IA 05-GRA-00810-L_0) New water quality data for mercury in fish tissue indicates this water body is now meeting WQS. This water body is still identified as impaired for algae and turbidity. This water body now resides in Category 5a of the Iowa 2008 IR.

Home Pond (IA 05-GRA-01550-L_0) New water quality data for atrazine indicates this water body is meeting WQS. This water body now resides in Category 2a of the Iowa 2008 IR.

Prairie Rose Lake (IA 05-NSH-01440-L_0) New water quality data for bacteria indicates this water body is meeting WQS. This water body is still identified as impaired for algae, turbidity, and pH. This water body now resides in Category 5a of the Iowa 2008 IR.

Floyd River (IA 06-FLO-0010_0) New water quality data for copper and lead indicate this segment is meeting WQS. This segment is still identified as impaired for bacteria. This segment now resides in Category 5a of the Iowa 2008 IR.

Dog Creek Lake (IA 06-LSR-00315-L_0) New water quality data for turbidity shows continued improvement and indicate the water body is meeting WQS. This water body now resides in Category 2b of the Iowa 2008 IR.

Arrowhead Pond (IA-06-WED-00270-L_0) New water quality data for inorganic suspended solids indicate this water body is meeting turbidity WQS. This water body is still listed as impaired for organic enrichment and pH. A new impairment is identified for algae. This water body now resides in Category 5a of the Iowa 2008 IR.

b. New biological monitoring data (2 waters)

Two stream segments are being removed from the state's 303(d) list as a result of additional data gathering which was conducted by IDNR from 2004 through 2006:

Prairie Creek (IA 01-MAQ-0130_0) New biological monitoring in 2006 shows full support of the aquatic life use. This water body now resides in Category 2a of the Iowa 2008 IR.

North Cedar Creek (IA 01-YEL-0040_0) New biological monitoring in 2005 shows full support of the aquatic life use. This water body now resides in Category 2a of the Iowa 2008 IR.

3. Change in Assessment Methodology (5 waters)

Five previously impaired water body segments were delisted based on a change in IDNR's listing methodology. IDNR has moved to a binomial assessment of a target where 10% of sample results exceed the criterion for chronic pollutants. This is acceptable for conventional pollutants as defined in EPA's Guidance for 2006 Assessment, Listing and Reporting Requirements Pursuant to Sections 303(d), 305(b) and 314 of the Clean Water Act (2005). This guidance specifically states this methodology is not encouraged and is not appropriate for toxic pollutants. This assessment also does not allow for a criterion to be exceeded 10% of the time, but in effect allows assessment of sample results as a quality control tool. IDNR has used this methodology to assess waters for impairments due to aluminum and ammonia. Neither of these pollutants is considered a toxic pollutant as defined in EPA's 2006 guidance.

Mississippi River (IA 01-NEM-0030_1) Assessment of water quality data for aluminum indicates that not more than 10% of the samples assessed by the binomial statistical test exceed the numeric criterion. As such this segment is now assessed as meeting WQS. This segment now resides in Category 2b of the Iowa 2008 IR.

Fox River (IA 04-FOX-0010_2) Assessment of water quality data for ammonia indicates that not more than 10% of the samples assessed by the binomial statistical test exceed the numeric criterion. As such this segment is now assessed as meeting WQS for ammonia. This segment is still impaired for exhibiting a low biotic index and now resides in Category 5b of the Iowa 2008 IR.

Fox River (IA 04-FOX-0010_2) Assessment of water quality data for low dissolved oxygen indicates that not more than 10% of the samples assessed by the binomial statistical test exceed the numeric criterion. As such this segment is now assessed as meeting WQS for dissolved oxygen. This segment is still impaired for exhibiting a low biotic index and now resides in Category 5b of the Iowa 2008 IR.

Sixmile Creek (IA 06-BSR-0029_0) Assessment of water quality data for ammonia indicates that not more than 10% of the samples assessed by the binomial statistical test exceed the numeric criterion. As such this segment is now assessed as meeting WQS for ammonia. This segment is still impaired for exhibiting a low biotic index and now resides in Category 5b of the Iowa 2008 IR.

Milford Creek (IA 06-LSR-0300_0) Assessment of water quality data for ammonia indicates that not more than 10% of the samples assessed by the binomial statistical test exceed the numeric criterion. As such this segment is now assessed as meeting WQS for ammonia. This segment resides in Category 4a of the Iowa 2008 Integrated Report because of the TMDL approved for allocating phosphorus to address a biological impairment was approved by EPA on December 11, 2008.

4. Error in Original Assessment (3 waters)

According to the IDNR's methodology, bioassessment methods were developed for Class B streams, which have assigned aquatic life uses, typically possess perennial flows and drain larger watersheds. Further, IDNR's indices for assessing the biological integrity of streams are derived from perennial streams possessing the highest possible quality or reference conditions. To determine use attainment status, the biological condition of these reference streams serve as the benchmark against which other streams of similar size and hydrology are compared. IDNR believes that smaller streams with differing hydrology and watershed characteristics and without a designated aquatic life use (i.e., General Use streams), possess inherently different biological character. IDNR believes it is inappropriate to apply both bioassessment protocols and benchmarks/indices developed for Class B streams to General Use streams for purposes of determining whether water quality impairment exists (IDNR 2008 Methodology, page 32).

In its review of the state's 2006 proposed list, EPA also questioned IDNR regarding its decision not to list larger streams and rivers, which were designated for Class B uses, where bioassessment data indicated impairment. IDNR responded that those streams were of such greater flow, watershed size, and biological character that some of IDNR's bioassessment methods and one of the indices were similarly not scientifically suited to a determination of water quality impairment for those waters. According to IDNR, non-wadeable streams and rivers, draining watersheds greater than 500 square miles, are not suited to field methods applied to assess the benthic macroinvertebrate communities of wadeable streams and the data gathered by their application likely does not accurately represent the biological condition of these waters. IDNR also stated that the conditions found among wadeable Class B streams representing the best attainable quality might not

be representative of those conditions among larger, non-wadeable streams and rivers with respect to benthic macroinvertebrates. Therefore, IDNR does not believe that the indices developed from those "reference conditions" and used to determine use support status, with regard to biological information on benthic macroinvertebrates, should be used to evaluate these larger waters.

As EPA cannot find fault in IDNR's reasoning regarding its application of bioassessment information to various classes of streams, there is no basis for EPA to disagree with IDNR's contention that either previously classified General Use streams or large non- wadeable streams and rivers should not be listed as water quality impaired based on the comparison of bioassessment data to those indices developed for wadeable Class B streams. IDNR has committed to the development of appropriate methods, metrics, and indices for these different classes of streams in the near future and EPA intends to support IDNR's work in this area. In its review of waters removed by IDNR from the Iowa CWA Section 303(d) list, IDNR removed three streams from the state's impaired waters list using this rationale.

Unnamed Creek (aka Hecker Creek) (IA 01-YEL-0155_0) IDNR's biological assessment is not calibrated for small streams and the listing of this segment on Iowa's 2006 303(d) List was in error. This segment is still identified as impaired for a fish kill. This segment now resides in Category 5b of the Iowa 2008 IR.

North Raccoon River (IA 04-RAC-0040_5) IDNR's biological assessment is not calibrated for larger rivers and the listing of this segment for a low index of biological integrity on Iowa's 2006 303(d) List was in error. This segment now resides in Category 4a because a TMDL for bacteria was approved by EPA on June 24, 2008.

North Raccoon River (IA 04-RAC-0040_6) IDNR's biological assessment is not calibrated for larger rivers and the listing of this segment for a low index of biological integrity on Iowa's 2006 303(d) List was in error. This segment now resides in Category 4a because a TMDL for bacteria was approved by EPA on June 24, 2008.

5. Listing Error (12 waters)

For these twelve water bodies an error was made in the assessment of information which led to the listing of these water bodies in Category 5 of the Iowa 2006 IR.

Avenue of the Saints Lake (IA 02-SHL-0105_0) The previous assessment of this lake's impairment of primary contact recreational use by pH is now based on an aquatic life impairment. This water body is still identified as impaired for the aquatic life designated use by algae and turbidity. This water body now resides in Category 5a of the Iowa 2008 IR.

Avenue of the Saints Lake (IA 02-SHL-0105_0) The previous assessment of this lake's impairment of primary contact recreational use by algae is now based on an aquatic life impairment. This water body is still identified as impaired for the aquatic life designated

use by turbidity, and pH. This water body now resides in Category 5a of the Iowa 2008 IR.

Avenue of the Saints Lake (IA 02-SHL-0105_0) The previous assessment of this lake's impairment of primary contact recreational use by turbidity is now based on an aquatic life impairment. This water body is still identified as impaired for the aquatic life designated use by algae and pH. This water body now resides in Category 5a of the Iowa 2008 IR.

Lake Keomah (IA 03-SSK-00120-L_0) The previous assessment of non-algal turbidity was in error. This water body exhibits low inorganic suspended solids. This water body is still identified as impaired for bacteria, algae, and pH. This water body now resides in Category 5a of Iowa's 2008 IR.

East Fork Des Moines River (IA 04-EDM-0020_4) Previously assessed Minnesota data is not relevant to this segment. This segment now resides in Category 3a of the Iowa 2008 IR.

Hooper Area Pond (IA 04-LDM-02718-L_0) The previous assessment of this lake's impairment of a primary contact recreational use is now based on an aquatic life impairment. This water body now resides in Category 5a of the Iowa 2008 IR.

Missouri River (IA 06-WEM-0010_0) The Nebraska data used to list this segment was collected approximately 60 miles downstream of the Missouri state line. As upstream segments do not indicate impairment, the use of data so far downstream is not appropriate to lead to an impairment listing in Iowa. The segment now resides in Category 4c because of a non-pollutant habitat impairment.

Missouri River (IA 06-WEM-0020_1) This segment was listed based on a preliminary Nebraska assessment, final assessment found water was not impaired for bacteria. The segment now resides in Category 4c because of a non-pollutant habitat impairment.

Missouri River (IA 06-WEM-0020_2) This segment was listed based on a preliminary Nebraska assessment, final assessment found water was not impaired for bacteria. The segment now resides in Category 4c because of a non-pollutant habitat impairment.

Carter Lake (IA 06-WEM-00265-L_0) This segment was listed based on a preliminary Nebraska assessment, final assessment found water was not impaired for bacteria. This water body is still listed as impaired for ammonia and low dissolved oxygen. This water body now resides in Category 5a of the Iowa 2008 IR.

Missouri River (IA 06-WEM-0030_0) This segment was listed based on a preliminary Nebraska assessment, final assessment found water was not impaired for bacteria. The segment now resides in Category 4c because of a non-pollutant habitat impairment.

Missouri River (IA 06-WEM-0040_1) This segment was listed based on a preliminary Nebraska assessment, final assessment found water was not impaired for bacteria. The segment now resides in Category 4c because of a non-pollutant habitat impairment.

Missouri River (IA 06-WEM-0040_2) This segment was listed based on a preliminary Nebraska assessment, final assessment found water was not impaired for bacteria. The segment now resides in Category 4c because of a non-pollutant habitat impairment.

Missouri River (IA 06-WEM-0040_3) This segment was listed based on a preliminary Nebraska assessment, final assessment found water was not impaired for bacteria. The segment now resides in Category 4c because of a non-pollutant habitat impairment.

EPA concludes that the state properly assembled and considered all existing and readily available data and information for the water bodies identified above, including all of the existing and readily available data and information relating to the categories of waters specified in 40 CFR 130.7(b)(5). Therefore, EPA concludes that the state's decision to delist the above waters identified in its listing submittal is~~are~~ consistent with federal listing requirements.

VI. PRIORITY RANKING IN IOWA'S CWA SECTION 303(D) LIST

IDNR's listing methodology describes how the state will prioritize water bodies for purposes of establishing TMDLs. Iowa's submission of its 2008 CWA Section 303(d) List included a priority ranking of each water body as required in Section 303(d)(1)(A) of the CWA and 40 CFR 130.7(b)(4) of EPA's implementing regulations.

VII. IOWA'S PUBLIC PARTICIPATION PROCESS

IDNR public noticed its 2008 draft CWA Section 303(d) List from December 10, 2008 through February 5, 2009. The list and IDNR's ADB+ water quality database were also made available for public review and comment through the IDNR website. IDNR received comments from four individuals and organizations including 72 letters from the Friends of Beeds Lake. IDNR finalized its 2008 CWA Section 303(d) List and submitted it for approval on April 23, 2009, it was received by EPA on May 1, 2009.

EPA has reviewed Iowa's public participation process and has concluded that the state provided adequate public notice and opportunity for the public to comment on its decision regarding the CWA Section 303(d) list in compliance with federal requirements.

Iowa's 2008 303(d) List

Table 1 lists each modification or water body approved for the addition to, or removal from, the state's CWA Section 303(d) list and the supporting rationale for each. Table 2 identifies the Iowa § 303 (d) list as approved by EPA. The following terms are used in the tables and defined below.

TSI:	Carlson's Trophic State Index.
WQ:	Water Quality
IBI:	Index of Biological Integrity
IDPH:	Iowa Department of Public Health
Chl-a:	Chlorophyll-a is a measure of water productivity and algal content.
Secchi:	Secchi depth is a measure of water clarity.
DO:	Dissolved oxygen
pH:	A measure of water's acidity or basic condition.
BPJ:	Best Professional Judgment

Table 1. Changes from Iowa's 2006 CWA Section 303(d) List as Approved by EPA

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
1	Shrickers Slough	01-MAQ-0005-L_0	5a	Aquatic life impairment, Impacts to backwater of Mississippi River	5a	algae	none, still listed
2	Shrickers Slough	01-MAQ-0005-L_0	5a	Aquatic life impairment, Impacts to backwater of Mississippi River	5a	turbidity	none, still listed
3	Rock Creek	01-MAQ-0010_1	4a	Aquatic life impairment, >10% of samples violate WQ criterion for dissolved oxygen (DO).	5a	low DO	none, re-listed new pollutant
4	Prairie Creek	01-MAQ-0130_0	5b	Aquatic life impairment, biological impact	2a		new data shows meeting WQS
5	Elk River	01-MAQ-0030_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
6	Maquoketa River	01-MAQ-0060_1	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	none, still listed
7	Maquoketa River	01-MAQ-0060_2	5b	Primary contact impairment, geometric mean > criterion	5a	bacteria	none, still listed
8	Maquoketa River	01-MAQ-0060_2	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	none, still listed
9	Maquoketa River	01-MAQ-0060_3	5b	Primary contact impairment, geometric mean > criterion	5a	bacteria	none, still listed
10	Maquoketa River	01-MAQ-0060_3	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
11	Silver Lake	01-MAQ-00680-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 70.	5a	algae	none, still listed

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
12	Silver Lake	01-MAQ-00680-L_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion for pH.	5a	pH	none, still listed
13	Silver Lake	01-MAQ-00680-L_0	5a	Primary contact impairment, > 10% of samples violate WQ criterion for pH.	5a	pH	none, still listed
14	Silver Lake	01-MAQ-00680-L_0	5a	Aquatic life impairment, >10% of samples violate WQ criterion DO.	5a	low DO	none, still listed
15	Backbone Lake	01-MAQ-0090-L_0	5a	Primary contact impairment, geometric mean > criterion	5a	bacteria	none, still listed
16	Prairie Creek	01-MAQ-0130_0	5b	Aquatic life impairment	2a		2006 biological monitoring shows full support
17	Central Park Lake	01-MAQ-01580-L_0	2a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, new listing
18	Central Park Lake	01-MAQ-01580-L_0	2a	Primary contact impairment, geometric mean > criterion	5a	bacteria	none, new listing
19	Central Park Lake	01-MAQ-01580-L_0	2a	Primary contact impairment, > 10% of samples violate WQ criteria	5a	pH	none, new listing
20	Central Park Lake	01-MAQ-01580-L_0	2a	Aquatic life impairment, > 10% of samples violate WQ criteria	5a	pH	none, new listing
21	Silver Creek	01-MAQ-0200_0	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	none, still listed
22	Buck Creek	01-MAQ-0210_0	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	none, still listed
23	Plum Creek	01-MAQ-0220_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
24	Plum Creek	01-MAQ-0220_1	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	none, still listed
25	Plum Creek	01-MAQ-0220_1	5b	Aquatic life impairment, biological impact	5b	fish kill	none, still listed
26	Mississippi River	01-NEM-0010_1	5a	Primary contact impairment, listing by adjacent state.	1	bacteria	new data - Illinois data shows meeting WQS
27	Mississippi River	01-NEM-0010_2	5a	Aquatic life impairment, violations of chronic WQ criterion for aluminum.	5a	aluminum	none, still listed
28	Mississippi River	01-NEM-0010_2	5a	Human health impairment, multiple violations of arsenic criterion	5a	arsenic	none, still listed
29	Mississippi River	01-NEM-0010_2	5a	Primary contact impairment, listing by adjacent state.	5a	bacteria	new data - Illinois data shows meeting WQS
30	Mississippi River	01-NEM-0010_3	5a	Primary contact impairment, listing by adjacent state.	2a	bacteria	new data - Illinois data shows meeting WQS
31	Mississippi River	01-NEM-0010_4	5a	Primary contact impairment, listing by adjacent state.	5a	bacteria	new data - Illinois data shows meeting WQS
32	Mississippi River	01-NEM-0010_4	5a	Aquatic life impairment, violations of chronic WQ criterion for aluminum.	5a	aluminum	none, still listed
33	Mississippi River	01-NEM-0010_4	5a	Primary contact impairment, listing by adjacent state.	5a	slime	none, still listed
34	Lake of the Hills	01-NEM-00160-L_0	2a	Primary contact impairment, geometric mean > criterion	5a	bacteria	new listing
35	Mississippi River	01-NEM-0020_1	2a	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	none, new listing

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
36	Mississippi River	01-NEM-0020_2	2a	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	none, new listing
37	Mississippi River	01-NEM-0030_1	5a	Aquatic life impairment, violations of chronic WQ criterion for aluminum	2b	aluminum	change in methodology, < 10 samples violate WQ criterion
38	Duck Creek	01-NEM-0060_1	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
39	Duck Creek	01-NEM-0060_2	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
40	Conduit Creek	01-NEM-0081_0	3a	Aquatic life impairment, biological impact	5b	fish kill	none, new listing
41	North Fork Maquoketa River	01-NMQ-0010_1	2a	Primary contact impairment, geometric mean > criterion	5a	bacteria	none, new listing
42	North Fork Maquoketa River	01-NMQ-0010_2	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	none, still listed
43	North Fork Maquoketa River	01-NMQ-0020_1	3b	Aquatic life impairment, biological impact	5b	low biotic index	none, new listing
44	Farmers Creek	01-NMQ-0040_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
45	Whitewater Creek	01-NMQ-0100_1	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	none, still listed
46	Johns Creek	01-NMQ-0110_0	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	none, still listed
47	Johns Creek	01-NMQ-0111_0	5b	Aquatic life impairment, biological impact	5b	fish kill	none, still listed
48	Bear Creek	01-NMQ-0140_0	5b	Aquatic life impairment, biological impact	5b	fish kill - ammonia	none, still listed

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
49	Bear Creek	01-NMQ-0141_0	5b	Aquatic life impairment, biological impact	5b	fish kill - ammonia	none, still listed
50	Hickory Creek	01-NMQ-0160_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
51	Pleasant Creek	01-TRK-0010_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
52	Tetes Des Morts Creek	01-TRK-0090_1	5b	Aquatic life impairment, biological impact	5b	fish kill	none, still listed
53	Tetes Des Morts Creek	01-TRK-0090_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
54	Middle Fork Maquoketa river (aka, Bankston Creek)	01-TRK-0180_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
55	Turkey River	01-TRK-0200_0	1	Primary contact impairment, geometric mean > criterion	5a	bacteria	none, new listing
56	Little Turkey River	01-TRK-0230_3	3a	Aquatic life impairment, biological impact	5b	low biotic index	none, new listing
57	Point Hollow Creek (aka, White Pine Creek)	01-TRK-0240_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
58	Unnamed Tributary to Point Hollow Creek	01-TRK-02415_0	5b	Aquatic life impairment, biological impact	5b	fish kill - animal waste	none, still listed
59	Pecks Creek	01-TRK-0260_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
60	Roberts Creek	01-TRK-0360_3	5b	Aquatic life impairment, biological impact	5b	fish kill - animal waste	none, still listed
61	Roberts Creek	01-TRK-0360_3	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
62	Silver Creek	01-TRK-0381_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
63	Silver Creek	01-TRK-0381_0	5b	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, still listed
64	Unnamed Tributary to Unnamed Tributary to Silver Creek	01-TRK-03817_0	3a	Aquatic life impairment, greater than 10% of samples violate WQ criterion	5a	ammonia	none, new listing
65	Silver Creek	01-TRK-0382_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
66	Nutting Creek	01-TRK-0416_0	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
67	Crane Creek	01-TRK-0440_4	1	Aquatic life impairment, biological impact	5b	low biotic index	none, new listing
68	Unnamed Tributary to Bass Creek	01-TRK-04515_0	5b	Aquatic life impairment, biological impact	5b	fish kill - animal waste	none, still listed
69	Paint Creek	01-UIA-0010_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
70	Upper Iowa River	01-UIA-0090_0	5a	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	none, still listed
71	Upper Iowa River	01-UIA-0090_0	5a	Primary contact impairment > 10% of samples violate single sample maximum criterion; geometric mean > WQ criterion	5a	bacteria	none, still listed

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
72	Upper Iowa River	01-UIA-0100_0	5a	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	none, still listed
73	Upper Iowa River	01-UIA-0100_0	5a	Primary contact impairment > 10% of samples violate single sample maximum criterion; geometric mean > WQ criterion	5a	bacteria	none, still listed
74	Upper Iowa River	01-UIA-0110_1	3a	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	none, new listing
75	Upper Iowa River	01-UIA-0110_2	5a	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	none, still listed
76	Upper Iowa River	01-UIA-0110_2	5a	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	none, still listed
77	Upper Iowa River	01-UIA-0110_2	5a	Primary contact impairment, geometric mean > criterion	5a	bacteria	none, still listed
78	Upper Iowa River	01-UIA-0110_3	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	none, still listed
79	Upper Iowa River	01-UIA-0120_1	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	none, still listed
80	Irish Hollow Creek	01-UIA-0130_0	3a	Aquatic life impairment, biological impact	5b	low biotic index	new listing
81	French Creek	01-UIA-0140_0	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
82	Clear Creek	01-UIA-0150_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
83	Bear Creek	01-UIA-0170_1	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
84	Bear Creek	01-UIA-0170_2	5b	Aquatic life impairment, biological impact	5b	fish kill - unknown source	none, still listed
85	Waterloo Creek	01-UIA-0180_0	2a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
86	North Bear Creek	01-UIA-0190_0	2a	Primary contact impairment (presumptive), > 10% of samples violate single sample maximum criterion	5p	bacteria	none, new listing
87	Patterson Creek	01-UIA-0230_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
88	Canoe Creek	01-UIA-0240_1	2a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
89	Coon Creek	01-UIA-0270_0	2a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
90	Trout Creek	01-UIA-0280_1	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
91	Trout Creek (aka Trout Run)	01-UIA-0300_1	2a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
92	Dry Run	01-UIA-0320_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
93	Ten Mile Creek	01-UIA-0340_0	3b	Aquatic life impairment, biological impact	5b	low biotic index	none, new listing
94	Unnamed Creek (aka Casey Spring Cr.)	01-UIA-0350_0	3a	Primary contact impairment (presumptive), > 10% of samples violate single sample maximum criterion	5p	bacteria	none, new listing
95	Pine Creek	01-UIA-0370_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
96	East Pine Creek	01-UIA-0380_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
97	Unnamed Creek (aka Cold Water Cr.)	01-UIA-0390_0	2a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
98	Silver Creek	01-UIA-0403_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
99	Nichols Creek (aka Bigalk Cr.)	01-UIA-0410_0	2a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
100	Beaver Creek	01-UIA-0420_1	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
101	Volga River	01-VOL-0010_3	2a	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	none, new listing
102	Frog Hollow Lake (aka, Volga Lake)	01-VOL-00130_L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, still listed

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
103	Frog Hollow Lake (aka, Volga Lake)	01-VOL-00130_L_0	5a	Primary contact impairment, > 10% of samples violate WQ criteria	5a	pH	none, still listed
104	Frog Hollow Lake (aka, Volga Lake)	01-VOL-00130_L_0	5a	Aquatic Life impairment, > 10% of samples violate WQ criteria	5a	pH	none, still listed
105	Volga River	01-VOL-0020_1	2a	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	none, new listing
106	Volga River	01-VOL-0020_2	3a	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	none, new listing
107	Brush Creek	01-VOL-0120_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
108	Little Volga River	01-VOL-0150_1	4d	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	none, re-listed new pollutant
109	Wapsipinicon River	01-WPS-0010_1	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
110	Wapsipinicon River	01-WPS-0010_2	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
111	Wapsipinicon River	01-WPS-0010_4	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	none, still listed
112	Wapsipinicon River	01-WPS-0010_4	5b	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
113	Wapsipinicon River	01-WPS-0010_5	5b	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
114	Wapsipinicon River	01-WPS-0010_5	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	none, still listed
115	Wapsipinicon River	01-WPS-0020_3	5a	Primary contact impairment, > 10% of samples > single-sample criterion.	2b	bacteria	new data shows full support
116	Wapsipinicon River	01-WPS-0020_4	5a	Primary contact impairment, > 10% of samples violate single sample maximum criterion	5a	bacteria	none, still listed
117	Wapsipinicon River	01-WPS-0020_6	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	none, still listed
118	Wapsipinicon River	01-WPS-0030_1	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	none, still listed
119	Wapsipinicon River	01-WPS-0030_5	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
120	Wapsipinicon River	01-WPS-0030_5	5b	Aquatic life impairment, biological impact	5b	fish kill - unknown source	none, still listed
121	Lake Hendricks	01-WPS-00375-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, still listed
122	Lake Hendricks	01-WPS-00375-L_0	5a	Primary contact impairment, > 10% of samples violate WQ criteria	5a	pH	none, still listed
123	Lake Hendricks	01-WPS-00375-L_0	5a	Aquatic Life impairment, > 10% of samples violate WQ criteria	5a	pH	none, still listed
124	Lake Hendricks	01-WPS-00375-L_0	5a	Aquatic life impairment, >10% of samples violate WQ criterion	5a	low DO	new data no low DO
125	Brophy Creek	01-WPS-0050_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
126	Walnut Creek	01-WPS-0109_0	5b	Aquatic life impairment, biological impact	5b	fish kill - animal waste	none, still listed
127	Buffalo Creek	01-WPS-0110_1	2a	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	none, new listing
128	Buffalo Creek	01-WPS-0110_2	2a	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	none, new listing
129	Buffalo Creek	01-WPS-0110_3	2a	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	none, new listing
130	Buffalo Creek	01-WPS-0130_1	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	none, still listed
131	Buffalo Creek	01-WPS-0130_2	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	none, still listed
132	Unnamed Tributary to Buffalo Creek	01-WPS-0270_0	5b	Aquatic life impairment, biological impact	5b	fish kill - run-off related	none, still listed
133	Miners Creek	01-YEL-0010_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
134	North Cedar Creek	01-YEL-0040_0	5b	Aquatic life impairment, biological impact	2a	low biotic index	new data shows full support
135	Yellow River	01-YEL-0070_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
136	Yellow River	01-YEL-0080_1	3a	Aquatic life impairment, biological impact	5b	low biotic index	none, new listing
137	Yellow River	01-YEL-0080_2	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	low DO	none, still listed
138	Yellow River	01-YEL-0080_2	5a	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
139	Yellow River	01-YEL-0080_2	5a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, still listed
140	Yellow River	01-YEL-0080_3	1	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	low DO	none, new listing
141	Yellow River	01-YEL-0080_3	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
142	Dousman Creek	01-YEL-0090_0	2a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	low DO	none, new listing
143	Dousman Creek	01-YEL-0090_0	2a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
144	Suttle Creek	01-YEL-0100_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	low DO	none, still listed
145	Suttle Creek	01-YEL-0100_0	5a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, still listed
146	Unnamed Creek (aka, Bear Creek)	01-YEL-0110_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	low DO	none, still listed
147	Unnamed Creek (aka, Bear Creek)	01-YEL-0110_0	5a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, still listed
148	Hickory Creek	01-YEL-0120_1	2a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	low DO	none, new listing

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
149	Hickory Creek	01-YEL-0120_1	2a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
150	Williams Creek	01-YEL-0125_0	4d	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, re-listed new pollutant
151	Norfolk Creek	01-YEL-0130_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	low DO	none, still listed
152	Norfolk Creek	01-YEL-0130_0	5a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, still listed
153	Unnamed Creek	01-YEL-0150_0	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
154	Unnamed Creek (aka Hecker Creek)	01-YEL-0155_0	5b	Aquatic life impairment, biological impact	5b	fish kill	none, still listed
155	Unnamed Creek (aka Hecker Creek)	01-YEL-0155_0	5b	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
156	Unnamed Creek (aka Hecker Creek)	01-YEL-0155_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	assessment error - protocol not calibrated to small streams
157	North Fork Yellow River	01-YEL-0160_0	1	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	low DO	none, new listing
158	North Fork Yellow River	01-YEL-0160_0	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
159	Cedar River	02-CED-0020_2	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
160	Cedar River	02-CED-0020_2	5a	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	none, still listed
161	Cedar River	02-CED-0020_3	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
162	Cedar Bend Lake	02-CED-00210-L_0	3a	Human health impairment, issuance of fish consumption advisory	5a	PCBs in fish tissue	none, new listing
163	Cedar River	02-CED-0030_1	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
164	Cedar River	02-CED-0030_2	5a	Primary contact impairment, > 10% of samples > single-sample criterion	5a	bacteria	none, still listed
165	Cedar River	02-CED-0030_2	5a	Drinking water impairment, > 10% of samples violate WQ criterion	4a	nitrate	TMDL approved by EPA January 24, 2007
166	Cedar River	02-CED-0030_3	2a	Primary contact impairment, > 10% of samples > single-sample criterion	5a	bacteria	none, new listing
167	Cedar River	02-CED-0040_1	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
168	Cedar River	02-CED-0040_2	1	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, new listing

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
169	Meyer Lake	02-CED-00460-L_0	2a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, new listing
170	Cedar River	02-CED-0050-L_0	5a	Primary contact impairment, > 10% of samples > single-sample criterion	5a	bacteria	none, still listed
171	Cedar River	02-CED-0060_1	1	Primary contact impairment, > 10% of samples > single-sample criterion	5a	bacteria	none, new listing
172	Cedar River	02-CED-0060_2	1	Primary contact impairment, > 10% of samples > single-sample criterion	5a	bacteria	none, new listing
173	Cedar River	02-CED-0070_0	2a	Primary contact impairment, > 10% of samples > single-sample criterion	5a	bacteria	none, new listing
174	Cedar River	02-CED-0110_1	2b	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, new listing
175	Cedar River	02-CED-0110_2	5a	Primary contact impairment, > 10% of samples > single-sample criterion	5a	bacteria	none, still listed
176	Cedar River	02-CED-0110_2	5a	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	none, still listed
177	Cedar River	02-CED-0110_3	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
178	Cedar River	02-CED-0110_3	5a	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	none, still listed

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
179	Cedar River	02-CED-0110_3	5a	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	none, still listed
180	Unnamed Tributary West Branch Wapsinonoc Creek (aka Hoover Cr.)	02-CED-01545_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
181	Pike Run	02-CED-0157_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
182	Pike Run	02-CED-0157_2	3a	Aquatic life impairment, biological impact	5b	low biotic index	none, new listing
183	Sugar Creek	02-CED-0170_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
184	Indian Creek	02-CED-0210_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
185	Indian Creek	02-CED-0210_1	5b	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
186	Indian Creek	02-CED-0210_2	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
187	Dry Creek	02-CED-0217_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
188	McCloud Run	02-CED-0218_0	5a	Aquatic life impairment, biological impact	5b	fish kill	none, still listed
189	Prairie Creek	02-CED-0220_2	4d	Aquatic life impairment, biological impact	5b	fish kill – animal waste	none, re-listed new pollutant

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
190	Cedar Lake	02-CED-02250_L_0	5a	Human health impairment, issuance of fish consumption advisory	5a	PCBs in fish tissue	none, still listed
191	East Branch Blue Creek	02-CED-0234_0	5b	Aquatic life impairment, biological impact	5b	fish kill	none, still listed
192	George Wyth Lake	02-CED-00485-L_0	5a	Primary contact impairment, geometric mean > WQ criterion	4a	bacteria	TMDL approved by EPA December 11, 2008
193	Lime Creek	02-CED-0270_1	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	none, still listed
194	Wolf Creek	02-CED-0300_0	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
195	Casey Lake (aka, Hickory Hills Lake)	02-CED-03060-L_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	none, still listed
196	Casey Lake (aka, Hickory Hills Lake)	02-CED-03060-L_0	5a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	none, still listed
197	Casey Lake (aka, Hickory Hills Lake)	02-CED-03060-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, still listed
198	Black Hawk Creek	02-CED-0370_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
199	Black Hawk Creek	02-CED-0370_2	5b	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
200	Black Hawk Creek	02-CED-0380_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
201	North Black Hawk Creek	02-CED-0383_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
202	Holland Creek	02-CED-0385_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
203	Dry Run	02-CED-0390_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
204	Dry Run	02-CED-0390_0	5b	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
205	Dry Run (South Branch)	02-CED-0391_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
206	Dry Run (North Branch)	02-CED-0392_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
207	Beaver Creek	02-CED-0400_0	2a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
208	Beaver Creek	02-CED-0410_2	3a	Aquatic life impairment, biological impact	5b	low biotic index	none, new listing
209	Little Cedar River	02-CED-0470_1	1	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, new listing
210	Burr Oak Creek	02-CED-0490_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
211	Unnamed Creek (aka Drainage Ditch 3)	02-CED-0505_1	5a	Aquatic life impairment, biological impact	5b	fish kill	none, still listed

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
212	Rock Creek	02-CED-0510_1	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
213	Spring Creek	02-CED-0520_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
214	Turtle Creek	02-CED-0530_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
215	Deer Creek	02-CED-0540_1	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
216	Otter Creek	02-CED-0550_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
217	Cottonwood Drain	02-ICD-0031_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
218	Mississippi River	02-ICM-0010_1	5a	Primary contact impairment, listed by Illinois EPA	5a	bacteria	none, still listed
219	Mississippi River	02-ICM-0010_2	5a	Aquatic life impairment, violation of chronic WQ criterion	5a	aluminum	none, still listed
220	Mississippi River	02-ICM-0010_2	5a	Primary contact impairment, listed by Illinois EPA	5a	bacteria	none, still listed
221	Mississippi River	02-ICM-0010_2	5a	Drinking water impairment, violations of human health criterion (0.18 µg/l)	5a	arsenic	none, still listed
222	Iowa River	02-IOW-0010_3	2b	Primary contact impairment, > 10% of samples violate single sample maximum WQ criterion	5a	bacteria	none, new listing

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
223	Iowa River	02-IOW-0020_1	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	none, still listed
224	Iowa River	02-IOW-0020_1	5b	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
225	Iowa River	02-IOW-0020_2	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	none, still listed
226	Iowa River	02-IOW-0030_1	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	New data shows meeting WQS
227	Iowa River	02-IOW-0030_1	5a	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	none, still listed
228	Lake MacBride	02-IOW-00390-L_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
229	Lake MacBride	02-IOW-00390-L_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	none, still listed
230	Lake MacBride	02-IOW-00390-L_0	5a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	none, still listed
231	Coralville Reservoir	02-IOW-0040-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	5a	turbidity	none, still listed
232	Iowa River	02-IOW-0050_1	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
233	Iowa River	02-IOW-0060_4	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
234	Iowa River	02-IOW-0060_5	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
235	Green Castle Lake	02-IOW-00660-L_0	2a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	none, new listing
236	Green Castle Lake	02-IOW-00660-L_0	2a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	none, new listing
237	Iowa River	02-IOW-0070_3	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
238	Iowa River	02-IOW-0080_2	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
239	Otter Creek	02-IOW-0086_0	3a	Aquatic life impairment, biological impact	5b	fish kill	none, new listing
240	Honey Creek	02-IOW-0093_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
241	English River	02-IOW-0100_1	3b	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, new listing
242	Iowa Lake	02-IOW-01150-L_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	none, still listed
243	Iowa Lake	02-IOW-01150-L_0	5a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	none, still listed
244	Old Mans Creek	02-IOW-0150_1	5a	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
245	Old Mans Creek	02-IOW-0150_2	5a	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
246	Old Mans Creek	02-IOW-0150_2	5a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
247	Ralston Creek	02-IOW-0155_1	5a	General use impairment, narrative violation of WQ criteria	5a	priority organics – coal tar	none, still listed
248	Ralston Creek	02-IOW-0155_1	5a	Aquatic life impairment, narrative violation of WQ criteria	5a	priority organics – coal tar	none, still listed
249	Ralston Creek	02-IOW-0155_1	5a	Primary contact impairment, narrative violation of WQ criteria	5a	priority organics – coal tar	none, still listed
250	Clear Creek	02-IOW-0161_0	5a	General use impairment, narrative violation of WQ criteria	5a	sewage/low DO	none, still listed
251	Clear Creek	02-IOW-0161_0	5a	Aquatic life impairment, narrative violation of WQ criteria	5a	sewage/low DO	none, still listed
252	Clear Creek	02-IOW-0161_0	5a	Primary contact impairment, narrative violation of WQ criteria	5a	sewage/low DO	none, still listed
253	Unnamed tributary to Clear Creek	02-IOW-01615_0	5a	General use impairment, narrative violation of WQ criteria	5a	sewage/low DO	none, still listed
254	Unnamed tributary to Clear Creek	02-IOW-01615_0	5a	Aquatic life impairment, narrative violation of WQ criteria	5a	sewage/low DO	none, still listed

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
255	Unnamed tributary to Clear Creek	02-IOW-01615_0	5a	Primary contact impairment, narrative violation of WQ criteria	5a	sewage/low DO	none, still listed
256	Muddy Creek	02-IOW-0162_0	5a	General use impairment, narrative violation of WQ criteria	5a	sewage/ammonia	none, still listed
257	Muddy Creek	02-IOW-0162_0	5a	Aquatic life impairment, narrative violation of WQ criteria	5a	sewage/ammonia	none, still listed
258	Muddy Creek	02-IOW-0162_0	5a	Primary contact impairment, narrative violation of WQ criteria	5a	sewage/ammonia	none, still listed
259	Kent Park Lake	02-IOW-01630-L_0	2a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	none, new listing
260	Kent Park Lake	02-IOW-01630-L_0	2a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	none, new listing
261	Bear Creek	02-IOW-0180_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
262	Hannen Lake	02-IOW-01810-L_0	2a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, new listing
263	Hannen Lake	02-IOW-01810-L_0	2a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	none, new listing
264	Hannen Lake	02-IOW-01810-L_0	2a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	none, new listing
265	Little Bear Creek	02-IOW-0185_1	3b	Aquatic life impairment, biological impact	5b	low biotic index	none, new listing

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
266	Walnut Creek	02-IOW-0187_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
267	Walnut Creek	02-IOW-0187_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
268	Otter Creek Lake	02-IOW-02095-L_0	2a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, new listing
269	Union Grove Lake	02-IOW-02195-L_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
270	Union Grove Lake	02-IOW-02195-L_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion for pH	5a	pH	none, still listed
271	Union Grove Lake	02-IOW-02195-L_0	5a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	none, still listed
272	Union Grove Lake	02-IOW-02195-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, still listed
273	Union Grove Lake	02-IOW-02195-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	5a	turbidity	none, still listed
274	Unnamed tributary to Drainage Ditch 55	02-IOW-02611_0	3a	Aquatic life impairment, biological impact	5b	fish kill	none, new listing
275	Lower Pine Lake	02-IOW-0330-L_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
276	Upper Pine Lake	02-IOW-0335-L_0	2b	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, new listing
277	School Creek	02-IOW-0342_0	3a	Aquatic life impairment, biological impact	5b	fish kill	none, new listing
278	East Branch Iowa River	02-IOW-0380_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
279	Eldred Sherwood Lake	02-IOW-03830-L_0	2a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, new listing
280	Eldred Sherwood Lake	02-IOW-03830-L_0	2a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, new listing
281	Crystal Lake	02-IOW-04095-L_0	4a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, re-listed new pollutant
282	Short Creek	02-IOW-0450_0	3a	Aquatic life impairment, biological impact	5b	fish kill	none, new listing
283	Unnamed tributary to Short Creek	02-IOW-0451_0	3a	Aquatic life impairment, biological impact	5b	fish kill	none, new listing
284	Shell Rock River	02-SHL-0010_2	2a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, new listing
285	Avenue of the Saints Lake	02-SHL-00105-L_0	5a	Aquatic life impairment, aesthetically objectionable conditions: IDNR Fisheries Bureau.	5a	algae	none, still listed

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
286	Avenue of the Saints Lake	02-SHL-00105-L_0	5a	Aquatic life impairment, aesthetically objectionable conditions: IDNR Fisheries Bureau.	5a	turbidity	none, still listed
287	Avenue of the Saints Lake	02-SHL-00105-L_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion for pH	5a	pH	none, still listed
288	Shell Rock River	02-SHL-0020_1	5a	Primary contact impairment, > 10% of samples exceed single-sample maximum criterion.	5a	bacteria	none, still listed
289	Flood Creek	02-SHL-0021_0	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
290	Palmer Creek	02-SHL-00235_0	1	Aquatic life impairment, biological impact	5b	fish kill – ammonia/low DO	none, new listing
291	West Fork Cedar River	02-WFC-0020_1	2b	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
292	Beeds Lake	02-WFC-0090-L_0	4a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, re-listed new pollutant
293	Bailey Creek	02-WFC-0110_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
294	Winnebago River	02-WIN-0010_1	1	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, new listing
295	Winnebago River	02-WIN-0010_2	2a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, new listing

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
296	Winnebago River	02-WIN-0020_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
297	Clear Lake	02-WIN-00450-L_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
298	Ventura Marsh	02-WIN-00465-L_0	5a	Aquatic life impairment, aesthetically objectionable conditions due to algae	5a	algae	none, still listed
299	Ventura Marsh	02-WIN-00465-L_0	5a	Aquatic life impairment, aesthetically objectionable conditions due to turbidity	5a	turbidity	none, still listed
300	Calmus Creek	02-WIN-0050_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
301	North Skunk River	03-NSK-0010_1	2a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, new listing
302	North Skunk River	03-NSK-0010_2	1	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, new listing
303	North Skunk River	03-NSK-0020_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
304	Hawthorn Lake	03-NSK-00250-L_0	2a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI approaching 65.	5a	turbidity	none, new listing
305	Hawthorn Lake	03-NSK-00250-L_0	2a	Aquatic life impairment, aesthetically objectionable conditions: Secchi TSI approaching 65.	5a	turbidity	none, new listing
306	North Skunk River	03-NSK-0030_0	4c	Aquatic life impairment, biological impact	5b	low biotic index	none, re-listed new pollutant

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
307	North Skunk River	03-NSK-0030_0	4c	Aquatic life impairment, biological impact	5b	fish kill – animal waste	none, re-listed new pollutant
308	Rock Creek Lake	03-NSK-00340-L_0	5a	Primary contact impairment, geometric mean > WQ criterion		bacteria	none, still listed
309	Coal Creek	03-NSK-0039_0	5a	Aquatic life impairment, biological impact	5b	fish kill – ammonia	none, still listed
310	Mississippi River	03-SKM-0010_1	5a	Aquatic life impairment, violation of chronic WQ criterion	5a	aluminum	none, still listed
311	Mississippi River	03-SKM-0010_1	5a	Aquatic life impairment, violation of chronic WQ criterion	5a	arsenic	none, still listed
312	Mississippi River	03-SKM-0010_1	5a	Primary contact impairment, listed by Illinois EPA	5a	bacteria	none, still listed
313	Mississippi River	03-SKM-0010_2	5a	Primary contact impairment, listed by Illinois EPA	5a	bacteria	none, still listed
314	Skunk River	03-SKU-0010_1	5a	Human health impairment, violation of chronic WQ criterion	2a	dieldrin	new data - no detectable levels of dieldrin
315	Geode Lake	03-SKU-00650-L_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
316	Geode Lake	03-SKU-00650-L_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	none, still listed
317	Geode Lake	03-SKU-00650-L_0	5a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	none, still listed

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
318	Geode Lake	03-SKU-00650-L_0	5a	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	none, new listing
319	Saunders Branch	03-SKU-0085_0	5a	Aquatic life impairment, biological impact	5a	low biotic index - ammonia	none, still listed
320	Saunders Branch	03-SKU-0085_0	5a	Aquatic life impairment, biological impact	5a	low biotic index – low DO/organic enrichment	none, still listed
321	Saunders Branch	03-SKU-0085_0	5a	Aquatic life impairment, biological impact	5a	low biotic index – priority organics	none, still listed
322	Cedar Creek	03-SKU-0090_1	2b	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, new listing
323	Walton Reservoir	03-SKU-00945-L_0	5a	Drinking water impairment, average levels > MCL	5a	atrazine	none, still listed
324	Crow Creek	03-SKU-0116_0	3a	Aquatic life impairment, biological impact	5b	fish kill – fertilizer/pesticides	none, new listing
325	West Fork Crooked River	03-SKU-0130_0	5b	Aquatic life impairment, biological impact	5b	fish kill	none, still listed
326	Lake Darling	03-SKU-01450-L_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
327	South Skunk River	03-SSK-0010_2	1	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, new listing
328	South Skunk River	03-SSK-0010_3	5a	Drinking water impairment, > 10% of samples violate MCL	5a	nitrate	none, still listed
329	South Skunk River	03-SSK-0010_3	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, new listing

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
330	White Oak Conservation Area Lake	03-SSK-00118-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, still listed
331	White Oak Conservation Area Lake	03-SSK-00118-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	5a	turbidity	none, still listed
332	White Oak Conservation Area Lake	03-SSK-00118-L_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	none, still listed
333	White Oak Conservation Area Lake	03-SSK-00118-L_0	5a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	none, still listed
334	Lake Keomah	03-SSK-00120-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, still listed
335	Lake Keomah	03-SSK-00120-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	5a	turbidity	assessment error – low inorganic suspended sediments
336	Lake Keomah	03-SSK-00120-L_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
337	Lake Keomah	03-SSK-00120-L_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	none, still listed
338	Lake Keomah	03-SSK-00120-L_0	5a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	none, still listed
339	South Skunk River	03-SSK-0020_1	3b	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, new listing

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
340	South Skunk River	03-SSK-0030_2	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
341	South Skunk River	03-SSK-0030_3	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
342	Indian Creek	03-SSK-0040_0	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
343	Hickory Grove Lake	03-SSK-00530-L_0	2a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, new listing
344	Lake Patoka	03-SSK-0056-L_0	5b	Aquatic life impairment, biological impact	5b	fish kill - chlorine	none, still listed
345	Ballard Creek	03-SSK-0057_0	5b	Aquatic life impairment, biological impact	5b	fish kill – ammonia/low DO	none, still listed
346	Walnut Creek	03-SSK-0058_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
347	Long Dick Creek	03-SSK-0090_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
348	Long Dick Creek	03-SSK-0091_0	5b	Aquatic life impairment, biological impact	5b	fish kill – animal waste	none, still listed
349	Unnamed Tributary to South Skunk River	03-SSK-0130_0	3a	Aquatic life impairment, biological impact	5b	fish kill – animal waste	none, new listing
350	East Fork Des Moines River	04-EDM-0010_1	5a	Primary contact impairment, geometric mean > WQ criterion	4a	bacteria	TMDL approved by EPA January 2, 2009
351	East Fork Des Moines River	04-EDM-0020_4	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	3a	low DO	assessment error – data previously assessed not relevant

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
352	Buffalo Creek	04-EDM-0090_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
353	Buffalo Creek	04-EDM-0090_3	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
354	North Fabius River	04-FAB-0010_0	3a	Aquatic life impairment, biological impact	5b	low biotic index	none, new listing
355	Fox River	04-FOX-0010_1	1	Aquatic life impairment, biological impact	5b	low biotic index	none, new listing
356	Fox River	04-FOX-0010_2	5b	Aquatic life impairment, biological impact	5b	ammonia	change in methodology
357	Fox River	04-FOX-0010_2	5b	Aquatic life impairment, biological impact	5b	low DO	change in methodology
358	Fox River	04-FOX-0010_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
359	Des Moines River	04-LDM-0010_1	2b	Primary contact impairment, > 10% of samples exceed single-sample maximum criterion.	5a	bacteria	none, new listing
360	Des Moines River	04-LDM-0010_2	1	Primary contact impairment, > 10% of samples exceed single-sample maximum criterion.	5a	bacteria	none, new listing
361	Des Moines River	04-LDM-0010_3	2a	Aquatic life impairment, biological impact	5b	fish kill	none, new listing
362	Des Moines River	04-LDM-0010_4	5b	Aquatic life impairment, biological impact	5b	fish kill	none, still listed
363	Des Moines River	04-LDM-0020_1	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
364	Des Moines River	04-LDM-0020_1	5a	Aquatic life impairment, biological impact	5b	fish kill	none, still listed

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
365	Des Moines River	04-LDM-0020_2	5a	Primary contact impairment, > 10% of samples exceed single-sample maximum criterion.	5a	bacteria	none, still listed
366	Ottumwa Lagoon	04-LDM-00215-L_0	4a	Aquatic life impairment, biological impact	5b	fish kill – petroleum products	none, re-listed new pollutant
367	Roberts Creek Lake	04-LDM-00380-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	5a	turbidity	none, still listed
368	Roberts Creek Lake	04-LDM-00380-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, still listed
369	Des Moines River	04-LDM-0040_1	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
370	Des Moines River	04-LDM-0040_2	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
371	Des Moines River	04-LDM-0040_3	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
372	Soap Creek	04-LDM-0090_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
373	Sugar Creek	04-LDM-0119_0	5b	Aquatic life impairment, biological impact	5b	fish kill – industrial chemical	none, still listed
374	Miller Creek	04-LDM-0130_0	5b	Aquatic life impairment, biological impact	5b	fish kill	none, still listed
375	Muchakinock Creek	04-LDM-0140_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
376	Muchakinock Creek	04-LDM-0140_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
377	Cedar Creek	04-LDM-0160_0	2a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
378	Cedar Creek	04-LDM-0170_0	3a	Aquatic life impairment, biological impact	5b	low biotic index	none, new listing
379	White Breast Creek	04-LDM-0200_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	low DO	none, still listed
380	White Breast Creek	04-LDM-0200_0	5a	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
381	White Breast Creek	04-LDM-0200_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
382	White Breast Creek	04-LDM-0210_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
383	East Lake (Osceola)	04-LDM-02190-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	4a	algae	TMDL approved by EPA May 14, 2008
384	East Lake (Osceola)	04-LDM-02190-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	4a	turbidity	TMDL approved by EPA May 14, 2008
385	Morris Lake	04-LDM-02294-L_0	5a	Drinking water impairment, average levels > MCL	2a	atrazine	new data shows meeting WQS
386	Red Haw Lake	04-LDM-02296-L_0	2a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, new listing
387	South River	04-LDM-0230_0	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
388	Lake Ahquabi	04-LDM-02615-L_0	2a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, new listing
389	West Lake (Osceola)	04-LDM-02690-L_0	4a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	low DO	none, re-listed new pollutant
390	Middle River	04-LDM-0270_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
391	Middle River	04-LDM-0270_0	5b	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, still listed
392	Hooper Area Pond	04-LDM-02718-L_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	none, still listed
393	South Banner Lake	04-LDM-02725-L_0	3a	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	none, new listing
394	North Banner Lake	04-LDM-02726-L_0	3a	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	none, new listing
395	Meadow Lake	04-LDM-02870-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, still listed
396	Morris Lake	04-LDM-02294-L_0	5a	Drinking water impairment, average levels > MCL	2a	atrazine	new data shows meeting WQS
397	North River	04-LDM-0300_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
398	North River	04-LDM-0300_2	5b	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
399	Cedar Lake	04-LDM-03085-L_0	5a	Drinking water impairment, average levels > MCL	5a	atrazine	none, still listed
400	Raccoon River	04-RAC-0010_1	5a	Primary contact impairment, geometric mean > WQ criterion	4a	bacteria	TMDL approved by EPA June 24, 2008
401	Raccoon River	04-RAC-0010_1	5a	Drinking water impairment, > 10% of samples violate MCL	4a	nitrate	TMDL approved by EPA June 24, 2008
402	Raccoon River	04-RAC-0010_2	5a	Primary contact impairment, geometric mean > WQ criterion	4a	bacteria	TMDL approved by EPA June 24, 2008
403	Raccoon River	04-RAC-0010_2	5a	Drinking water impairment, > 10% of samples violate MCL	4a	nitrate	TMDL approved by EPA June 24, 2008
404	North Raccoon River	04-RAC-0040_1	5a	Primary contact impairment, geometric mean > WQ criterion	4a	bacteria	TMDL approved by EPA June 24, 2008
405	North Raccoon River	04-RAC-0040_5	5a	Primary contact impairment, geometric mean > WQ criterion	4a	bacteria	TMDL approved by EPA June 24, 2008
406	North Raccoon River	04-RAC-0040_5	5a	Aquatic life impairment, biological impact	4a	low biotic index	listing error, biological assessment not calibrated for larger rivers
407	North Raccoon River	04-RAC-0040_6	5b	Primary contact impairment, geometric mean > WQ criterion	4a	bacteria	TMDL approved by EPA June 24, 2008
408	North Raccoon River	04-RAC-0040_6	5b	Aquatic life impairment, biological impact	4a	low biotic index	listing error, biological assessment not calibrated for large rivers

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
409	Black Hawk Lake	04-RAC-00475-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, still listed
410	Black Hawk Lake	04-RAC-00475-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	5a	turbidity	none, still listed
411	Black Hawk Lake	04-RAC-00475-L_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
412	North Raccoon River	04-RAC-0050_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
413	North Raccoon River	04-RAC-0050_2	5b	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, still listed
414	Marrowbone Creek	04-RAC-0123_0	5b	Aquatic life impairment, > 10% samples violate WQ criterion	5a	low DO	none, still listed
415	Marrowbone Creek	04-RAC-0123_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
416	Lake Creek	04-RAC-0130_2	3b	Aquatic life impairment, biological impact	5b	fish kill	none, new listing
417	Poor Farm Creek	04-RAC-01695_0	5b	Aquatic life impairment, biological impact	5b	fish kill	none, still listed
418	South Raccoon River	04-RAC-0170_0	2a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, new listing
419	Lateral 6	04-RAC-01700_0	3a	Aquatic life impairment, biological impact	5b	fish kill	none, new listing
420	Beaver Lake	04-RAC-01750-L_0	1	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, new listing

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
421	Middle Raccoon River	04-RAC-0200_3	5a	Drinking water impairment, > 10% of samples violate MCL	5a	nitrate	TMDL approved by EPA June 24, 2008
422	Mosquito Creek	04-RAC-02401_0	5b	Aquatic life impairment, biological impact	5b	fish kill - ammonia	none, still listed
423	Brushy Creek	04-RAC-0251_0	5b	Aquatic life impairment, biological impact	5b	fish kill - ammonia/low DO	none, still listed
424	Brushy Creek	04-RAC-0253_0	3b	Aquatic life impairment, biological impact	5b	fish kill - ammonia/low DO	none, new listing
425	Des Moines River	04-UDM-0010_1	1	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, new listing
426	Des Moines River	04-UDM-0010_2	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
427	Des Moines River	04-UDM-0010_2	5a	Drinking water impairment, > 10% of samples violate MCL	5a	nitrate	none, still listed
428	Saylorville Reservoir	04-UDM-0020-L_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
429	Des Moines River	04-UDM-0030_1	2a	Primary contact impairment, > 10% of samples exceed single-sample maximum criterion.	5a	bacteria	none, new listing
430	Des Moines River	04-UDM-0030_2	2a	Primary contact impairment, > 10% of samples exceed single-sample maximum criterion.	5a	bacteria	none, new listing

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
431	Des Moines River	04-UDM-0040_1	1	Primary contact impairment, > 10% of samples exceed single-sample maximum criterion.	5a	bacteria	none, new listing
432	Des Moines River	04-UDM-0040_2	1	Primary contact impairment, > 10% of samples exceed single-sample maximum criterion.	5a	bacteria	none, new listing
433	Des Moines River	04-UDM-0070_0	2a	Primary contact impairment, > 10% of samples exceed single-sample maximum criterion.	5a	bacteria	none, new listing
434	Beaver Creek	04-UDM-0110_1	5a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, still listed
435	Beaver Creek	04-UDM-0110_1	5a	Aquatic life impairment		TDS	new data shows meeting WQS
436	Big Creek Lake	04-UDM-0140-L_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
437	Skillet Creek	04-UDM-0170_0	5b	Aquatic life impairment, biological impact	5b	low biotic index - WWTP discharge	none, still listed
438	Boone River	04-UDM-0180_1	2b	Primary contact impairment, > 10% of samples exceed single-sample maximum criterion.	5a	bacteria	none, new listing
439	Briggs Woods Lake	04-UDM-01880-L_0	5b	Aquatic life impairment, biological impact	5b	fish kill - low DO	none, still listed
440	Lyons Creek	04-UDM-0215_0	5b	Aquatic life impairment, biological impact	5b	fish kill	none, still listed

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
441	Lyons Creek	04-UDM-0215_0	5b	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, still listed
442	Buttermilk Creek	04-UDM-0247_0	5a	Aquatic life impairment, gross pollution	5a	organic enrichment	new data shows meeting WQS
443	Buttermilk Creek	04-UDM-0247_0	5a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, still listed
444	West Otter Creek	04-UDM-0253_1	5b	Aquatic life impairment, biological impact	5b	fish kill	none, still listed
445	Lizard Creek	04-UDM-0300_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
446	Lizard Creek	04-UDM-0300_1	5b	Primary contact impairment, > 10% of samples exceed single-sample maximum criterion.	5a	bacteria	none, still listed
447	Chariton River	05-CHA-0010_2	1	Primary contact impairment, > 10% of samples exceed single-sample maximum criterion.	5a	bacteria	none, new listing
448	Rathbun Reservoir	05-CHA-0020-L_2	5a	Drinking water impairment, average levels > MCL	5a	atrazine	none, still listed
449	Rathbun Reservoir	05-CHA-0020-L_2	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	5a	turbidity	none, still listed
450	Rathbun Reservoir	05-CHA-0020-L_2	5a	Aquatic life impairment, aesthetically objectionable conditions due to turbidity	5a	turbidity	none, still listed
451	Rathbun Reservoir	05-CHA-0020-L_2	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, still listed

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
452	Rathbun Reservoir	05-CHA-0020-L_3	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	5a	turbidity	none, still listed
453	Rathbun Reservoir	05-CHA-0020-L_3	5a	Aquatic life impairment, aesthetically objectionable conditions due to turbidity	5a	turbidity	none, still listed
454	Rathbun Reservoir	05-CHA-0020-L_3	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, still listed
455	Chariton River	05-CHA-0030_1	5a	Aquatic life impairment, > 10% samples violate WQ criterion	5a	pH	new data shows meeting WQS
456	Chariton River	05-CHA-0030_1	5a	Aquatic life impairment, > 10% samples violate WQ criterion	5a	low DO	none, still listed
457	Chariton River	05-CHA-0030_1	5a	Primary contact impairment, geometric mean > WQ criterion	5p	bacteria	none, still listed
458	Chariton River	05-CHA-0030_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
459	Chariton River	05-CHA-00301_0	3b	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
460	Chariton River	05-CHA-00302_0	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
461	Centerville Reservoir Lower	05-CHA-00330-L_0	5a	Drinking water impairment, average levels > MCL	2a	atrazine	new data shows meeting WQS
462	Cooper Creek	05-CHA-0040_0	1	Aquatic life impairment, biological impact	5b	low biotic index	none, new listing

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
463	Honey Creek	05-CHA-0056_0	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
464	Unnamed Tributary to Rathbun Reservoir	05-CHA-0057_0	5b	Aquatic life impairment, biological impact	5b	fish kill – petroleum products	none, still listed
465	South Fork Chariton River	05-CHA-0060_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
466	South Fork Chariton River	05-CHA-0060_1	5a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
467	South Fork Chariton River	05-CHA-0060_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
468	South Fork Chariton River	05-CHA-0060_2	5b	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, still listed
469	Walker Branch	05-CHA-0061_0	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	new listing
470	Jordan Creek	05-CHA-0062_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
471	Jordan Creek	05-CHA-0062_0	5b	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, still listed
472	Jackson Creek	05-CHA-0063_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
473	Jackson Creek	05-CHA-0063_0	5b	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, still listed

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
474	West Jackson Creek	05-CHA-0064_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
475	Ninemile Creek	05-CHA-0066_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
476	Ninemile Creek	05-CHA-0066_0	5b	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, still listed
477	Dick Creek	05-CHA-0067_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
478	Honey Creek	05-CHA-0068_0	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
479	Bob White Lake	05-CHA-00690-L_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
480	Bob White Lake	05-CHA-00690-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, still listed
481	Wolf Creek	05-CHA-0070_0	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
482	Wolf Creek	05-CHA-0070_0	1	Aquatic life impairment, biological impact	5b	low biotic index	none, new listing
483	Fivemile Creek	05-CHA-0077_0	5a	Aquatic life impairment, worsening trend in levels of DO.	5a	low DO	new data shows meeting WQS
484	Fivemile Creek	05-CHA-0077_0	5a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, still listed
485	East Fork Medicine Creek	05-GRA-0030_0	3a	Aquatic life impairment, biological impact	5b	low biotic index	none, new listing

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
486	Thompson River	05-GRA-0040_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
487	Weldon River	05-GRA-0070_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
488	Little River	05-GRA-0080_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
489	Little River Watershed Lake	05-GRA-00810-L_0	5a	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	New data shows meeting WQS
490	Little River Watershed Lake	05-GRA-00810-L_0	5a	Aquatic life impairment, aesthetically objectionable conditions: Secchi TSI approaching 65.	5a	turbidity	none, still listed
491	Little River Watershed Lake	05-GRA-00810-L_0	5a	Aquatic life impairment, aesthetically objectionable conditions: Chl-a TSI approaching 65.	5a	algae	none, still listed
492	Nine Eagles Lake	05-GRA-01010-L_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
493	Nine Eagles Lake	05-GRA-01010-L_0	5a	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	none, still listed
494	Thayer Lake	05-GRA-01410-L_0	5a	Aquatic life impairment, aesthetically objectionable conditions: Secchi TSI approaching 65.	5a	turbidity	none, still listed
495	Thayer Lake	05-GRA-01410-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, still listed

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
496	Home Pond	05-GRA-01550-L_0	5a	Drinking water impairment, average levels > MCL	2a	atrazine	new data shows meeting WQS
497	Lotts Creek	05-GRA-0170_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
498	Middle Fork Grand River	05-GRA-0180_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
499	Loch Ayr	05-GRA-01920-L_0	5a	Drinking water impairment, declining WQ trend	5a	atrazine	none, still listed
500	Nodaway River (aka West Nodaway River)	05-NOD-0020_0	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
501	East Nodaway River	05-NOD-0030_1	3b	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
502	East Nodaway River	05-NOD-0030_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
503	Orient Lake	05-NOD-00485-L_0	4a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, re-listed new pollutant
504	Orient Lake	05-NOD-00485-L_0	4a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	none, re-listed new pollutant
505	Orient Lake	05-NOD-00485-L_0	4a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	none, re-listed new pollutant
506	Middle Nodaway River	05-NOD-0070_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
507	Mormon Trail Lake	05-NOD-00820-L_0	1	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	none, new listing

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
508	Mormon Trail Lake	05-NOD-00820-L_0	1	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	none, new listing
509	Mormon Trail Lake	05-NOD-00820-L_0	1	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	none, new listing
510	Viking Lake	05-NOD-00930-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, still listed
511	Viking Lake	05-NOD-00930-L_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
512	East Nishnabotna River	05-NSH-0020_1	2a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
513	East Nishnabotna River	05-NSH-0020_2	3b	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
514	Cold Springs Lake	05-NSH-00310-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, still listed
515	Cold Springs Lake	05-NSH-00310-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	5a	turbidity	none, still listed
516	Cold Springs Lake	05-NSH-00310-L_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	none, still listed
517	Cold Springs Lake	05-NSH-00310-L_0	5a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	none, still listed

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
518	Troublesome Creek	05-NSH-0060_0	3a	Aquatic life impairment, biological impact	5b	low biotic index	none, new listing
519	Davids Creek	05-NSH-0063_0	5b	Aquatic life impairment, biological impact	5b	fish kill – ammonia / low DO	none, still listed
520	West Nishnabotna River	05-NSH-0080_1	2a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, new listing
521	West Nishnabotna River	05-NSH-0090_3	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
522	West Nishnabotna River	05-NSH-0090_4	5b	Aquatic life impairment, biological impact	5b	fish kill – ammonia / low DO	none, still listed
523	Silver Creek	05-NSH-0120_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
524	Mud Creek	05-NSH-0128_0	3a	Aquatic life impairment, biological impact	5b	low biotic index	none, new listing
525	Jordan Creek	05-NSH-0133_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
526	Prairie Rose Lake	05-NSH-01440-L_0	5a	Primary contact impairment, geometric mean > WQ criterion.	5a	bacteria	new data shows meeting WQS
527	Prairie Rose Lake	05-NSH-01440-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, still listed
528	Prairie Rose Lake	05-NSH-01440-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	5a	turbidity	none, still listed
529	Prairie Rose Lake	05-NSH-01440-L_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	none, still listed

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
530	Prairie Rose Lake	05-NSH-01440-L_0	5a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	none, still listed
531	Sands Timber Lake (aka Blockton Reservoir)	05-PLA-0015-L_0	5a	Aquatic life impairment, aesthetically objectionable conditions due to turbidity.	5a	turbidity	none, still listed
532	Platte River	05-PLA-0020_0	3a	Aquatic life impairment, biological impact	5b	fish kill	none, new listing
533	Platte River	05-PLA-0020_1	3a	Aquatic life impairment, biological impact	5b	fish kill	none, new listing
534	Green Valley Lake	05-PLA-00295-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, still listed
535	Lake of Three Fires	05-PLA-00335-L_0	5a	Primary contact impairment, geometric mean > WQ criterion.	5a	bacteria	none, still listed
536	Wilson Park Lake	05-PLA-00380-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, still listed
537	Wilson Park Lake	05-PLA-00380-L_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	none, still listed
538	Wilson Park Lake	05-PLA-00380-L_0	5a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	none, still listed
539	West Branch One Hundred And Two River	05-PLA-0040_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
540	Windmill Lake	05-PLA-00430-L_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	none, still listed
541	Windmill Lake	05-PLA-00430-L_0	5a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	none, still listed
542	Windmill Lake	05-PLA-00430-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, still listed
543	Windmill Lake	05-PLA-00430-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	5a	turbidity	none, still listed
544	West Tarkio Creek	05-TAR-0020_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
545	Boyer River	06-BOY-0020_1	2a	Primary contact impairment, geometric mean > WQ criterion.	5a	bacteria	none, new listing
546	Willow Lake	06-BOY-00405-L_0	2a	Primary contact impairment, geometric mean > WQ criterion.	5a	bacteria	none, new listing
547	Elk Creek	06-BOY-0045_0	3a	Aquatic life impairment, biological impact	5b	fish kill - ammonia	none, new listing
548	Big Sioux River	06-BSR-0010_3	5b	Aquatic life impairment, biological impact	5b	fish kill	none, still listed
549	Perry Creek	06-BSR-0021_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
550	Broken Kettle Creek	06-BSR-0023_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
551	Indian Creek	06-BSR-0027_0	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
552	Lake Pahoja	06-BSR-00280-L_0	1	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, new listing
553	Lake Pahoja	06-BSR-00280-L_0	1	Primary contact impairment, geometric mean > WQ criterion.	5a	bacteria	none, new listing
554	Sixmile Creek	06-BSR-0029_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion.	5a	ammonia	change in methodology
555	Sixmile Creek	06-BSR-0029_0	5a	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
556	Sixmile Creek	06-BSR-0029_0	5a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
557	Rock River	06-BSR-0030_0	5b	Aquatic life impairment, biological impact	5b	fish kill – ammonia/low DO	none, still listed
558	Rock River	06-BSR-0030_0	5b	Primary contact impairment, geometric mean > WQ criterion.	5a	bacteria	none, still listed
559	Dry Creek	06-BSR-0035_0	5b	Aquatic life use impairment, overwhelming evidence of impacts: no fish were found in IDNR/UHL biological assessments in 2004 and 2005.	5b	low biotic index	none, still listed
560	Dry Creek	06-BSR-0035_0	5b	Aquatic life impairment, biological impact	5b	fish kill – low DO	none, still listed
561	Rock River	06-BSR-0040_1	2b	Primary contact impairment, geometric mean > WQ criterion.	5a	bacteria	none, new listing

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
562	Rock River	06-BSR-0040_2	1	Primary contact impairment (presumptive), > 10% of samples exceed single-sample maximum criterion.	5p	bacteria	none, new listing
563	Little Rock River	06-BSR-0060_1	1	Primary contact impairment, geometric mean > WQ criterion.	5a	bacteria	none, new listing
564	Little Rock River	06-BSR-0060_3	1	Primary contact impairment (presumptive), geometric mean > WQ criterion.	5p	bacteria	none, new listing
565	Unnamed tributary to Little Rock River	06-BSR-0065_0	5b	Aquatic life impairment, biological impact	5b	fish kill – ammonia	none, still listed
566	Otter Creek	06-BSR-0070_3	5b	Aquatic life impairment, biological impact	5b	fish kill – low DO	none, still listed
567	Otter Creek	06-BSR-0072_0	5b	Aquatic life impairment, biological impact	5b	fish kill – ammonia	none, still listed
568	Mud Creek	06-BSR-0080_0	5b	Aquatic life impairment, biological impact	5b	fish kill – low DO	none, still listed
569	Mud Creek	06-BSR-0080_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
570	Mud Creek	06-BSR-0080_0	5b	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, still listed
571	Floyd River	06-FLO-0010_0	5a	Primary contact impairment, geometric mean > WQ criterion.	5a	bacteria	none, still listed
572	Floyd River	06-FLO-0010_0	5a	Aquatic life impairment, violations of chronic WQ criterion for copper.		copper	new data show meeting WQS

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
573	Floyd River	06-FLO-0010_0	5a	Aquatic life impairment, violations of chronic WQ criterion for lead		lead	new data show meeting WQS
574	Floyd River	06-FLO-0020_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
575	Floyd River	06-FLO-0020_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
576	Floyd River	06-FLO-0020_2	5b	Aquatic life impairment, biological impact	5b	fish kill – organic enrichment/ low DO	none, still listed
577	West Branch Floyd River	06-FLO-0040_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
578	Willow Creek	06-FLO-0065_0	5b	Aquatic life impairment, biological impact	5b	fish kill – ammonia/low DO	none, still listed
579	Deep Creek	06-FLO-0070_0	3a	Aquatic life impairment, biological impact	5b	fish kill	none, new listing
580	Deep Creek	06-FLO-0070_0	3a	Aquatic life impairment, biological impact	5b	low biotic index	none, new listing
581	Little Sioux River	06-LSR-0020_1	2a	Primary contact impairment, geometric mean > WQ criterion.	5a	bacteria	none, new listing
582	Little Sioux Park Lake	06-LSR-00250-L_0	2a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	none, new listing
583	Little Sioux Park Lake	06-LSR-00250-L_0	2a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	none, new listing
584	Little Sioux River	06-LSR-0030_1	5a	Primary contact impairment, > 10% of samples exceed single-sample maximum criterion.	5a	bacteria	none, new listing

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
585	Little Sioux River	06-LSR-0030_4	2a	Primary contact impairment, geometric mean > WQ criterion.	5a	bacteria	none, new listing
586	Little Sioux River	06-LSR-0040_1	2a	Primary contact impairment, geometric mean > WQ criterion.	5a	bacteria	none, new listing
587	Little Sioux River	06-LSR-0040_2	3b	Primary contact impairment, geometric mean > WQ criterion.	5a	bacteria	none, new listing
588	Little Sioux River	06-LSR-0040_3	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
589	Maple River	06-LSR-0070_1	3b	Primary contact impairment, geometric mean > WQ criterion.	5a	bacteria	none, new listing
590	Crawford Creek Impoundment	06-LSR-00790-L_0	2a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, new listing
591	Moorehead Park Pond	06-LSR-00805-L_0	2a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	none, new listing
592	Odebolt Creek	06-LSR-0101_0	3b	Aquatic life impairment, biological impact	5b	fish kill – ammonia	none, new listing
593	West Fork Little Sioux River	06-LSR-0120_1	1	Primary contact impairment (presumptive), geometric mean > WQ criterion.	5p	bacteria	none, new listing
594	West Fork Little Sioux River	06-LSR-0120_2	3a	Aquatic life impairment, biological impact	5b	low biotic index	none, new listing
595	New Farmer Ditch (aka Garretson Outlet Ditch)	06-LSR-0125_0	3a	Aquatic life impairment, biological impact	5b	fish kill – pesticides	none, new listing

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
596	West Fork Little Sioux River	06-LSR-0131_0	5b	Aquatic life impairment, biological impact	5b	fish kill	none, still listed
597	Johns Creek	06-LSR-0143_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
598	Willow Creek	06-LSR-0150_0	1	Aquatic life impairment, biological impact	5b	low biotic index	none, new listing
599	Mill Creek	06-LSR-0170_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
600	Willow Creek	06-LSR-0223_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
601	Willow Creek	06-LSR-0223_0	5b	Aquatic life impairment, biological impact	5b	fish kill	none, still listed
602	Willow Creek	06-LSR-0224_0	3a	Aquatic life impairment, biological impact	5b	fish kill – ammonia/low DO	none, new listing
603	Lost Island Lake	06-LSR-02390-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	5a	turbidity	none, still listed
604	Ocheyedan River	06-LSR-0250_0	3b	Primary contact impairment (presumptive), geometric mean > WQ criterion.	5p	bacteria	none, new listing
605	Stony Creek	06-LSR-0270_0	3a	Aquatic life impairment, biological impact	5b	low biotic index	none, new listing
606	Stony Creek	06-LSR-0271_0	3a	Aquatic life impairment, biological impact	5b	fish kill – ammonia/low DO	none, new listing
607	West Okoboji Lake: Emersons Bay	06-LSR-02840-L_2	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, still listed
608	Big Spirit Lake	06-LSR-02850-L_0	2a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	none, new listing

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
609	Center Lake	06-LSR-02890-L_0	2a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	none, new listing
610	Center Lake	06-LSR-02890-L_0	2a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	none, new listing
611	Milford Creek	06-LSR-0300_0	5a	Aquatic life impairment, violations of chronic WQ criterion for ammonia.	4a	ammonia	change in methodology
612	Milford Creek	06-LSR-0300_0	5a	Aquatic life impairment, biological impact	4a		TMDL approved by EPA December 11, 2008
613	Milford Creek	06-LSR-0305_0	5a	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
614	Dog Creek Lake	06-LSR-00315-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	2b	turbidity	new data shows meeting WQS
615	Silver Lake	06-LSR-03105-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	5a	turbidity	none, still listed
616	Soldier River	06-SOL-0010_1	2a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	none, new listing
617	Plum Creek	06-WED-0003_2	3a	Aquatic life impairment, biological impact	5b	low biotic index	none, new listing
618	Keg Creek	06-WED-0010_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
619	Keg Creek	06-WED-0010_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
620	Mosquito Creek	06-WED-0020_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
621	Mosquito Creek	06-WED-0020_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
622	Mosquito Creek	06-WED-0020_3	5b	Aquatic life impairment, biological impact	5b	low biotic index	none, still listed
623	Arrowhead Pond	06-WED-00270-L_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	none, still listed
624	Arrowhead Pond	06-WED-00270-L_0	5a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	none, still listed
625	Arrowhead Pond	06-WED-00270-L_0	5a	Primary contact impairment, aesthetically objectionable conditions due to turbidity.	5a	turbidity	new data shows turbidity due to algae
626	Arrowhead Pond	06-WED-00270-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, still listed
627	Arrowhead Pond	06-WED-00270-L_0	5b	Aquatic life impairment, biological impact	5b	fish kill – organic enrichment/low DO	none, still listed
628	Missouri River	06-WEM-0010_0	5a	Primary contact impairment, listing by adjacent state.	4c	bacteria	listing error – data not applicable to Iowa
629	Missouri River	06-WEM-0020_1	5a	Primary contact impairment, listing by adjacent state.	4c	bacteria	listing error – listing on adjacent state list in draft, was not listed on final
630	Missouri River	06-WEM-0020_2	5a	Human health impairment, multiple violations of arsenic criterion	5a	arsenic	none, still listed
631	Lake Manawa	06-WEM-00235-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, still listed

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
632	Lake Manawa	06-WEM-00235-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	5a	turbidity	none, still listed
633	Carter Lake	06-WEM-00265-L_0	5a	Human health impairment, issuance of fish consumption advisory	5a	PCBs in fish tissue	none, still listed
634	Carter Lake	06-WEM-00265-L_0	5a	Aquatic life impairment, > 10% samples violate WQ criterion	5a	low DO	none, still listed
635	Carter Lake	06-WEM-00265-L_0	5a	Primary contact impairment, listing by adjacent state.	5a	bacteria	new information from Nebraska 303(d)
636	Missouri River	06-WEM-0030_0	5a	Primary contact impairment, listing by adjacent state.	4c	bacteria	listing error – listing on adjacent state list in draft, was not listed on final
637	Desoto Bend	06-WEM-00340-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	none, still listed
638	Desoto Bend	06-WEM-00340-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	5a	turbidity	none, still listed
639	Missouri River	06-WEM-0040_1	5a	Primary contact impairment, listing by adjacent state.	4c	bacteria	listing error – listing on adjacent state list in draft, was not listed on final
640	Missouri River	06-WEM-0040_2	5a	Primary contact impairment, listing by adjacent state.	4c	bacteria	listing error – listing on adjacent state list in draft, was not listed on final
641	Missouri River	06-WEM-0040_3	5a	Primary contact impairment, listing by adjacent state.	4c	bacteria	listing error – listing on adjacent state list in draft, was not listed on final

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause	Delisting Rationale
642	Blue Lake (aka Lewis and Clark Lake)	06-WEM-00445-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65	4a	algae	TMDL approved by EPA January 2, 2009
643	Blue Lake (aka Lewis and Clark Lake)	06-WEM-00445-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65	4a	turbidity	TMDL approved by EPA January 2, 2009
644	Browns Lake	06-WEM-00485-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65	5a	turbidity	none, still listed

Table 2. EPA Approved Iowa 2008 Section 303(d) List

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
1	Shrickers Slough	01-MAQ-0005-L_0	5a	Aquatic life impairment, Impacts to backwater of Mississippi River	5a	algae	Low
2	Shrickers Slough	01-MAQ-0005-L_0	5a	Aquatic life impairment, Impacts to backwater of Mississippi River	5a	turbidity	Low
3	Rock Creek	01-MAQ-0010_1	4a	Aquatic life impairment, >10% of samples violate WQ criterion for dissolved oxygen (DO).	5a	low DO	Low
4	Elk River	01-MAQ-0030_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
5	Maquoketa River	01-MAQ-0060_1	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	Low
6	Maquoketa River	01-MAQ-0060_2	5b	Primary contact impairment, geometric mean > criterion	5a	bacteria	Low
7	Maquoketa River	01-MAQ-0060_2	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	Low
8	Maquoketa River	01-MAQ-0060_3	5b	Primary contact impairment, geometric mean > criterion	5a	bacteria	Low
9	Maquoketa River	01-MAQ-0060_3	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
10	Silver Lake	01-MAQ-00680-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 70.	5a	algae	High
11	Silver Lake	01-MAQ-00680-L_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion for pH.	5a	pH	High

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
12	Silver Lake	01-MAQ-00680-L_0	5a	Primary contact impairment, > 10% of samples violate WQ criterion for pH.	5a	pH	High
13	Silver Lake	01-MAQ-00680-L_0	5a	Aquatic life impairment, >10% of samples violate WQ criterion DO.	5a	low DO	High
14	Backbone Lake	01-MAQ-0090-L_0	5a	Primary contact impairment, geometric mean > criterion	5a	bacteria	Medium
15	Central Park Lake	01-MAQ-01580-l_)	2a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	Low
16	Central Park Lake	01-MAQ-01580-l_)	2a	Primary contact impairment, geometric mean > criterion	5a	bacteria	Low
17	Central Park Lake	01-MAQ-01580-l_)	2a	Primary contact impairment, > 10% of samples violate WQ criteria	5a	pH	Low
18	Central Park Lake	01-MAQ-01580-l_)	2a	Aquatic life impairment, > 10% of samples violate WQ criteria	5a	pH	Low
19	Silver Creek	01-MAQ-0200_0	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	Low
20	Buck Creek	01-MAQ-0210_0	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	Low
21	Plum Creek	01-MAQ-0220_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
22	Plum Creek	01-MAQ-0220_1	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	Low
23	Plum Creek	01-MAQ-0220_1	5b	Aquatic life impairment, biological impact	5b	fish kill	Low

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
24	Mississippi River	01-NEM-0010_2	5a	Aquatic life impairment, violations of chronic WQ criterion for aluminum.	5a	aluminum	Low
25	Mississippi River	01-NEM-0010_2	5a	Human health impairment, multiple violations of arsenic criterion	5a	arsenic	Low
26	Mississippi River	01-NEM-0010_4	5a	Aquatic life impairment, violations of chronic WQ criterion for aluminum.	5a	aluminum	Low
27	Mississippi River	01-NEM-0010_4	5a	Primary contact impairment, listing by adjacent state.	5a	slime	Low
28	Lake of the Hills	01-NEM-00160-L_0	2a	Primary contact impairment, geometric mean > criterion	5a	bacteria	Low
29	Mississippi River	01-NEM-0020_1	2a	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	Low
30	Mississippi River	01-NEM-0020_2	2a	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	Low
31	Duck Creek	01-NEM-0060_1	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
32	Duck Creek	01-NEM-0060_2	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
33	Conduit Creek	01-NEM-0081_0	3a	Aquatic life impairment, biological impact	5b	fish kill	Low
34	North Fork Maquoketa River	01-NMQ-0010_1	2a	Primary contact impairment, geometric mean > criterion	5a	bacteria	Low
35	North Fork Maquoketa River	01-NMQ-0010_2	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	Low

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
36	North Fork Maquoketa River	01-NMQ-0020_1	3b	Aquatic life impairment, biological impact	5b	low biotic index	Low
37	Farmers Creek	01-NMQ-0040_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	High
38	Whitewater Creek	01-NMQ-0100_1	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	Low
39	Johns Creek	01-NMQ-0110_0	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	Low
40	Johns Creek	01-NMQ-0111_0	5b	Aquatic life impairment, biological impact	5b	fish kill	Low
41	Bear Creek	01-NMQ-0140_0	5b	Aquatic life impairment, biological impact	5b	fish kill - ammonia	Low
42	Bear Creek	01-NMQ-0141_0	5b	Aquatic life impairment, biological impact	5b	fish kill - ammonia	Low
43	Hickory Creek	01-NMQ-0160_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	High
44	Pleasant Creek	01-TRK-0010_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
45	Tetes Des Morts Creek	01-TRK-0090_1	5b	Aquatic life impairment, biological impact	5b	fish kill	High
46	Tetes Des Morts Creek	01-TRK-0090_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	High
47	Middle Fork Maquoketa river (aka, Bankston Creek)	01-TRK-0180_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	High
48	Turkey River	01-TRK-0200_0	1	Primary contact impairment, geometric mean > criterion	5a	bacteria	Low
49	Little Turkey River	01-TRK-0230_3	3a	Aquatic life impairment, biological impact	5b	low biotic index	Medium

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
50	Point Hollow Creek (aka, White Pine Creek)	01-TRK-0240_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	High
51	Unnamed Tributary to Point Hollow Creek	01-TRK-02415_0	5b	Aquatic life impairment, biological impact	5b	fish kill - animal waste	Low
52	Pecks Creek	01-TRK-0260_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
53	Roberts Creek	01-TRK-0360_3	5b	Aquatic life impairment, biological impact	5b	fish kill - animal waste	High
54	Roberts Creek	01-TRK-0360_3	5b	Aquatic life impairment, biological impact	5b	low biotic index	High
55	Silver Creek	01-TRK-0381_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	High
56	Silver Creek	01-TRK-0381_0	5b	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
57	Unnamed tributary to Silver Creek	01-TRK-03817_0	3a	Aquatic life impairment, greater than 10% of samples violate WQ criterion	5a	ammonia	Low
58	Silver Creek	01-TRK-0382_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
59	Nutting Creek	01-TRK-0416_0	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
60	Crane Creek	01-TRK-0440_4	1	Aquatic life impairment, biological impact	5b	low biotic index	Medium
61	Unnamed Tributary to Bass Creek	01-TRK-04515_0	5b	Aquatic life impairment, biological impact	5b	fish kill - animal waste	Low

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
62	Paint Creek	01-UIA-0010_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
63	Upper Iowa River	01-UIA-0090_0	5a	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	Low
64	Upper Iowa River	01-UIA-0090_0	5a	Primary contact impairment greater than 10% of samples violate single sample maximum criterion; geometric mean > WQ criterion	5a	bacteria	Medium
65	Upper Iowa River	01-UIA-0100_0	5a	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	Low
66	Upper Iowa River	01-UIA-0100_0	5a	Primary contact impairment greater than 10% of samples violate single sample maximum criterion; geometric mean > WQ criterion	5a	bacteria	Medium
67	Upper Iowa River	01-UIA-0110_1	3a	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	Low
68	Upper Iowa River	01-UIA-0110_2	5a	Primary contact impairment, geometric mean > criterion	5a	bacteria	Medium
69	Upper Iowa River	01-UIA-0110_2	5a	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	Low
70	Upper Iowa River	01-UIA-0110_2	5a	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	Low

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
71	Upper Iowa River	01-UIA-0110_3	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	Low
72	Upper Iowa River	01-UIA-0120_1	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	Low
73	Irish Hollow Creek	01-UIA-0130_0	3a	Aquatic life impairment, biological impact	5b	low biotic index	Low
74	French Creek	01-UIA-0140_0	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
75	Clear Creek	01-UIA-0150_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
76	Bear Creek	01-UIA-0170_1	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
77	Bear Creek	01-UIA-0170_2	5b	Aquatic life impairment, biological impact	5b	fish kill - unknown source	High
78	Waterloo Creek	01-UIA-0180_0	2a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
79	North Bear Creek	01-UIA-0190_0	2a	Primary contact impairment (presumptive), > 10% of samples violate single sample maximum criterion	5p	bacteria	Low
80	Patterson Creek	01-UIA-0230_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
81	Canoe Creek	01-UIA-0240_1	2a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
82	Coon Creek	01-UIA-0270_0	2a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
83	Trout Creek	01-UIA-0280_1	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
84	Trout Creek (aka Trout Run)	01-UIA-0300_1	2a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
85	Dry Run	01-UIA-0320_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
86	Ten Mile Creek	01-UIA-0340_0	3b	Aquatic life impairment, biological impact	5b	low biotic index	Medium
87	Unnamed Creek (aka Casey Spring Creek)	01-UIA-0350_0	3a	Primary contact impairment (presumptive), > 10% of samples violate single sample maximum criterion	5p	bacteria	Low
88	Pine Creek	01-UIA-0370_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
89	East Pine Creek	01-UIA-0380_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	High
90	Unnamed Creek (aka Cold Water Creek)	01-UIA-0390_0	2a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
91	Silver Creek	01-UIA-0403_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
92	Nichols Creek (aka Bigalk Creek)	01-UIA-0410_0	2a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
93	Beaver Creek	01-UIA-0420_1	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
94	Volga River	01-VOL-0010_3	2a	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	Low
95	Frog Hollow Lake (aka, Volga Lake)	01-VOL-00130_L	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	High
96	Frog Hollow Lake (aka, Volga Lake)	01-VOL-00130_L	5a	Primary contact impairment, > 10% of samples violate WQ criteria	5a	pH	High
97	Frog Hollow Lake (aka, Volga Lake)	01-VOL-00130_L	5a	Aquatic Life impairment, > 10% of samples violate WQ criteria	5a	pH	High
98	Volga River	01-VOL-0020_1	2a	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	Low
99	Volga River	01-VOL-0020_2	3a	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	Low
100	Brush Creek	01-VOL-0120_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
101	Little Volga River	01-VOL-0150_1	4d	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	Low

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
102	Wapsipinicon River	01-WPS-0010_1	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
103	Wapsipinicon River	01-WPS-0010_2	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
104	Wapsipinicon River	01-WPS-0010_4	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	Low
105	Wapsipinicon River	01-WPS-0010_4	5b	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
106	Wapsipinicon River	01-WPS-0010_5	5b	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
107	Wapsipinicon River	01-WPS-0010_5	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	Low
108	Wapsipinicon River	01-WPS-0020_4	5a	Primary contact impairment, > 10% of samples violate single sample maximum criterion	5a	bacteria	Low
109	Wapsipinicon River	01-WPS-0020_6	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	Low
110	Wapsipinicon River	01-WPS-0030_1	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species / low biotic index	Low
111	Wapsipinicon River	01-WPS-0030_5	5b	Aquatic life impairment, biological impact	5b	low biotic index	High
112	Wapsipinicon River	01-WPS-0030_5	5b	Aquatic life impairment, biological impact	5b	fish kill - unknown source	High

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
113	Lake Hendricks	01-WPS-00375-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	Medium
114	Lake Hendricks	01-WPS-00375-L_0	5a	Primary contact impairment, > 10% of samples violate WQ criteria	5a	pH	Medium
115	Lake Hendricks	01-WPS-00375-L_0	5a	Aquatic Life impairment, > 10% of samples violate WQ criteria	5a	pH	Medium
116	Brophy Creek	01-WPS-0050_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
117	Walnut Creek	01-WPS-0109_0	5b	Aquatic life impairment, biological impact	5b	fish kill - animal waste	Low
118	Buffalo Creek	01-WPS-0110_1	2a	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	Low
119	Buffalo Creek	01-WPS-0110_2	2a	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	Low
120	Buffalo Creek	01-WPS-0110_3	2a	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	Low
121	Buffalo Creek	01-WPS-0130_1	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	Low
122	Buffalo Creek	01-WPS-0130_2	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	Low
123	Unnamed Tributary to Buffalo Creek	01-WPS-0270_0	5b	Aquatic life impairment, biological impact	5b	fish kill - run-off related	Low
124	Miners Creek	01-YEL-0010_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	High
125	Yellow River	01-YEL-0070_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Medium

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
126	Yellow River	01-YEL-0080_1	3a	Aquatic life impairment, biological impact	5b	low biotic index	High
127	Yellow River	01-YEL-0080_2	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	low DO	High
128	Yellow River	01-YEL-0080_2	5a	Aquatic life impairment, biological impact	5b	low biotic index	High
129	Yellow River	01-YEL-0080_2	5a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
130	Yellow River	01-YEL-0080_3	1	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	low DO	High
131	Yellow River	01-YEL-0080_3	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
132	Dousman Creek	01-YEL-0090_0	2a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	low DO	High
133	Dousman Creek	01-YEL-0090_0	2a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
134	Suttle Creek	01-YEL-0100_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	low DO	High
135	Suttle Creek	01-YEL-0100_0	5a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
136	Unnamed Creek (aka, Bear Creek)	01-YEL-0110_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	low DO	High

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
137	Unnamed Creek (aka, Bear Creek)	01-YEL-0110_0	5a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
138	Hickory Creek	01-YEL-0120_1	2a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	low DO	High
139	Hickory Creek	01-YEL-0120_1	2a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
140	Williams Creek	01-YEL-0125_0	4d	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
141	Norfolk Creek	01-YEL-0130_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	low DO	High
142	Norfolk Creek	01-YEL-0130_0	5a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
143	Unnamed Creek	01-YEL-0150_0	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
144	Unnamed Creek (aka Hecker Creek)	01-YEL-0155_0	5b	Aquatic life impairment, biological impact	5b	fish kill	High
145	Unnamed Creek (aka Hecker Creek)	01-YEL-0155_0	5b	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
146	North Fork Yellow River	01-YEL-0160_0	1	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	low DO	High

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
147	North Fork Yellow River	01-YEL-0160_0	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
148	Cedar River	02-CED-0020_2	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	High
149	Cedar River	02-CED-0020_2	5a	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	Low
150	Cedar River	02-CED-0020_3	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	High
151	Cedar Bend Lake	02-CED-00210-L_0	3a	Human health impairment, issuance of fish consumption advisory	5a	PCBs in fish tissue	Low
152	Cedar River	02-CED-0030_1	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	High
153	Cedar River	02-CED-0030_2	5a	Primary contact impairment, > 10% of samples > single-sample criterion	5a	bacteria	High
154	Cedar River	02-CED-0030_3	2a	Primary contact impairment, > 10% of samples > single-sample criterion	5a	bacteria	Low
155	Cedar River	02-CED-0040_1	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	High
156	Cedar River	02-CED-0040_2	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
157	Meyer Lake	02-CED-00460-L_0	2a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	Low
158	Cedar River	02-CED-0050-L_0	5a	Primary contact impairment, > 10% of samples > single-sample criterion	5a	bacteria	Medium
159	Cedar River	02-CED-0060_1	1	Primary contact impairment, > 10% of samples > single-sample criterion	5a	bacteria	Low
160	Cedar River	02-CED-0060_2	1	Primary contact impairment, > 10% of samples > single-sample criterion	5a	bacteria	Low
161	Cedar River	02-CED-0070_0	2a	Primary contact impairment, > 10% of samples > single-sample criterion	5a	bacteria	Low
162	Cedar River	02-CED-0110_1	2b	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
163	Cedar River	02-CED-0110_2	5a	Primary contact impairment, > 10% of samples > single-sample criterion	5a	bacteria	High
164	Cedar River	02-CED-0110_2	5a	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	Low
165	Cedar River	02-CED-0110_3	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	High
166	Cedar River	02-CED-0110_3	5a	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	Low

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
167	Cedar River	02-CED-0110_3	5a	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	Low
168	Unnamed Tributary to West Branch Wapsinonoc Creek (aka Hoover Cr.)	02-CED-01545_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
169	Pike Run	02-CED-0157_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
170	Pike Run	02-CED-0157_2	3a	Aquatic life impairment, biological impact	5b	low biotic index	Medium
171	Sugar Creek	02-CED-0170_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
172	Indian Creek	02-CED-0210_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
173	Indian Creek	02-CED-0210_1	5b	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
174	Indian Creek	02-CED-0210_2	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
175	Dry Creek	02-CED-0217_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
176	McCloud Run	02-CED-0218_0	5a	Aquatic life impairment, biological impact	5b	fish kill	Low
177	Prairie Creek	02-CED-0220_2	4d	Aquatic life impairment, biological impact	5b	fish kill – animal waste	Low

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
178	Cedar Lake	02-CED-02250_L	5a	Human health impairment, issuance of fish consumption advisory	5a	PCBs in fish tissue	Low
179	East Branch Blue Creek	02-CED-0234_0	5b	Aquatic life impairment, biological impact	5b	fish kill	Low
180	Lime Creek	02-CED-0270_1	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	High
181	Wolf Creek	02-CED-0300_0	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
182	Casey Lake (aka, Hickory Hills Lake)	02-CED-03060_L	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	High
183	Casey Lake (aka, Hickory Hills Lake)	02-CED-03060_L	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	High
184	Casey Lake (aka, Hickory Hills Lake)	02-CED-03060_L	5a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	High
185	Black Hawk Creek	02-CED-0370_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
186	Black Hawk Creek	02-CED-0370_2	5b	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
187	Black Hawk Creek	02-CED-0380_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
188	North Black Hawk Creek	02-CED-0383_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
189	Holland Creek	02-CED-0385_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
190	Dry Run	02-CED-0390_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
191	Dry Run	02-CED-0390_0	5b	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
192	Dry Run (South Branch)	02-CED-0391_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
193	Dry Run (North Branch)	02-CED-0392_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
194	Beaver Creek	02-CED-0400_0	2a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
195	Beaver Creek	02-CED-0410_2	3a	Aquatic life impairment, biological impact	5b	low biotic index	Low
196	Little Cedar River	02-CED-0470_1	1	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
197	Burr Oak Creek	02-CED-0490_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	High
198	Unnamed Creek (aka Drainage Ditch 3)	02-CED-0505_1	5a	Aquatic life impairment, biological impact	5a	fish kill	Low
199	Rock Creek	02-CED-0510_1	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
200	Spring Creek	02-CED-0520_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
201	Turtle Creek	02-CED-0530_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
202	Deer Creek	02-CED-0540_1	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
203	Otter Creek	02-CED-0550_0	3a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
204	Cottonwood Drain	02-ICD-0031_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
205	Mississippi River	02-ICM-0010_1	5a	Primary contact impairment, listed by Illinois EPA	5a	bacteria	Low
206	Mississippi River	02-ICM-0010_2	5a	Aquatic life impairment, violation of chronic WQ criterion	5a	aluminum	Low
207	Mississippi River	02-ICM-0010_2	5a	Primary contact impairment, listed by Illinois EPA	5a	bacteria	Low
208	Mississippi River	02-ICM-0010_2	5a	Drinking water impairment, violations of human health criterion (0.18 µg/l)	5a	arsenic	Low
209	Iowa River	02-IOW-0010_3	2b	Primary contact impairment, > 10% of samples violate single sample maximum WQ criterion	5a	bacteria	Low
210	Iowa River	02-IOW-0020_1	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	Low

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
211	Iowa River	02-IOW-0020_1	5b	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
212	Iowa River	02-IOW-0020_2	5b	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	Low
213	Iowa River	02-IOW-0030_1	5a	Aquatic life impairment, biological impact	5b	> 50% decline in mussel species	Low
214	Lake MacBride	02-IOW-00390-L_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	High
215	Lake MacBride	02-IOW-00390-L_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	Low
216	Lake MacBride	02-IOW-00390-L_0	5a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	Low
217	Coralville Reservoir	02-IOW-0040-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	5a	turbidity	Low
218	Iowa River	02-IOW-0050_1	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
219	Iowa River	02-IOW-0060_4	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
220	Iowa River	02-IOW-0060_5	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
221	Green Castle Lake	02-IOW-00660-L_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	Low

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222	Green Castle Lake	02-IOW-00660-L_0	5a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	Low
223	Iowa River	02-IOW-0070_3	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
224	Iowa River	02-IOW-0080_2	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
225	Otter Creek	02-IOW-0086_0	3a	Aquatic life impairment, biological impact	5b	fish kill	Low
226	Honey Creek	02-IOW-0093_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
227	English River	02-IOW-0100_1	3b	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
228	Iowa Lake	02-IOW-01150_L	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	Medium
229	Iowa Lake	02-IOW-01150_L	5a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	Medium
230	Old Mans Creek	02-IOW-0150_1	5a	Aquatic life impairment, biological impact	5b	low biotic index	Low
231	Old Mans Creek	02-IOW-0150_2	5a	Aquatic life impairment, biological impact	5b	low biotic index	Low
232	Old Mans Creek	02-IOW-0150_2	5a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
233	Ralston Creek	02-IOW-0155_1	5a	General Use Impairment, narrative violation of WQ criteria	5a	priority organics – coal tar	Low
234	Ralston Creek	02-IOW-0155_1	5a	Aquatic life impairment, narrative violation of WQ criteria	5a	priority organics – coal tar	Low
235	Ralston Creek	02-IOW-0155_1	5a	Primary contact impairment, narrative violation of WQ criteria	5a	priority organics – coal tar	Low
236	Clear Creek	02-IOW-0161_0	5a	General Use Impairment, narrative violation of WQ criteria	5a	sewage/low DO	High
237	Clear Creek	02-IOW-0161_0	5a	Aquatic life impairment, narrative violation of WQ criteria	5a	sewage/low DO	High
238	Clear Creek	02-IOW-0161_0	5a	Primary Contact Recreation Impairment, narrative violation of WQ criteria	5a	sewage/low DO	High
239	Unnamed tributary to Clear Creek	02-IOW-01615_0	5a	General Use Impairment, narrative violation of WQ criteria	5a	sewage/low DO	Low
240	Unnamed tributary to Clear Creek	02-IOW-01615_0	5a	Aquatic life impairment, narrative violation of WQ criteria	5a	sewage/low DO	Low
241	Unnamed tributary to Clear Creek	02-IOW-01615_0	5a	Primary contact impairment, narrative violation of WQ criteria	5a	sewage/low DO	Low
242	Muddy Creek	02-IOW-0162_0	5a	General Use Impairment, narrative violation of WQ criteria	5a	sewage/ammonia	High

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243	Muddy Creek	02-IOW-0162_0	5a	Aquatic life impairment, narrative violation of WQ criteria	5a	sewage/ammonia	High
244	Muddy Creek	02-IOW-0162_0	5a	Primary contact impairment, narrative violation of WQ criteria	5a	sewage/ammonia	High
245	Kent Park Lake	02-IOW-01630-L_0	2a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	Medium
246	Kent Park Lake	02-IOW-01630-L_0	2a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	Medium
247	Bear Creek	02-IOW-0180_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
248	Hannen Lake	02-IOW-01810-L_0	2a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	High
249	Hannen Lake	02-IOW-01810-L_0	2a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	High
250	Hannen Lake	02-IOW-01810-L_0	2a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	High
251	Little Bear Creek	02-IOW-0185_1	3b	Aquatic life impairment, biological impact	5b	low biotic index	Low
252	Walnut Creek	02-IOW-0187_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	High
253	Walnut Creek	02-IOW-0187_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	High

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254	Otter Creek Lake	02-IOW-02095-L_0	2a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	Medium
255	Union Grove Lake	02-IOW-02195-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	High
256	Union Grove Lake	02-IOW-02195-L_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	High
257	Union Grove Lake	02-IOW-02195-L_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion for pH	5a	pH	High
258	Union Grove Lake	02-IOW-02195-L_0	5a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	High
259	Union Grove Lake	02-IOW-02195-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	5a	turbidity	High
260	Unnamed tributary to Drainage Ditch 55	02-IOW-02611_0	3a	Aquatic life impairment, biological impact	5b	fish kill	Low
261	Lower Pine Lake	02-IOW-0330-L_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	High
262	Upper Pine Lake	02-IOW-0335-L_0	2b	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	High
263	School Creek	02-IOW-0342_0	3a	Aquatic life impairment, biological impact	5b	fish kill	Low

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
264	East Branch Iowa River	02-IOW-0380_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
265	Eldred Sherwood Lake	02-IOW-03830-L_0	2a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	Low
266	Eldred Sherwood Lake	02-IOW-03830-L_0	2a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
267	Crystal Lake	02-IOW-04095-L_0	4b	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Medium
268	Short Creek	02-IOW-0450_0	3a	Aquatic life impairment, biological impact	5b	fish kill	Low
269	Unnamed tributary to Short Creek	02-IOW-0451_0	3a	Aquatic life impairment, biological impact	5b	fish kill	Low
270	Shell Rock River	02-SHL-0010_2	2a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
271	Avenue of the Saints Lake	02-SHL-00105-L_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion for pH	5a	pH	Medium
272	Avenue of the Saints Lake	02-SHL-00105-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	5a	turbidity	Medium
273	Avenue of the Saints Lake	02-SHL-00105-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	Medium

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
274	Shell Rock River	02-SHL-0020_1	5a	Primary contact impairment, > 10% of samples exceed single-sample maximum criterion.	5a	bacteria	Low
275	Flood Creek	02-SHL-0021_0	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
276	Palmer Creek	02-SHL-00235_0	1	Aquatic life impairment, biological impact	5b	fish kill – ammonia/low DO	High
277	West Fork Cedar River	02-WFC-0020_1	2b	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
278	Beeds Lake	02-WFC-0090-L_0	4a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	High
279	Bailey Creek	02-WFC-0110_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
280	Winnebago River	02-WIN-0010_1	1	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
281	Winnebago River	02-WIN-0010_2	2a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
282	Winnebago River	02-WIN-0020_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
283	Clear Lake	02-WIN-00450-L_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Medium
284	Ventura Marsh	02-WIN-00465-L_0	5a	Aquatic life impairment, aesthetically objectionable conditions due to algae	5a	algae	Low

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
285	Ventura Marsh	02-WIN-00465-L_0	5a	Aquatic life impairment, aesthetically objectionable conditions due to turbidity	5a	turbidity	Low
286	Calmus Creek	02-WIN-0050_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
287	North Skunk River	03-NSK-0010_1	2a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
288	North Skunk River	03-NSK-0010_2	1	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
289	North Skunk River	03-NSK-0020_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
290	Hawthorn Lake	03-NSK-00250-L_0	2a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI approaching 65.	5a	turbidity	Low
291	Hawthorn Lake	03-NSK-00250-L_0	2a	Aquatic life impairment, aesthetically objectionable conditions: Secchi TSI approaching 65.	5a	turbidity	Low
292	North Skunk River	03-NSK-0030_0	4c	Aquatic life impairment, biological impact	5b	low biotic index	Low
293	North Skunk River	03-NSK-0030_0	4c	Aquatic life impairment, biological impact	5b	fish kill – animal waste	Low
294	Rock Creek Lake	03-NSK-00340-L_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Medium
295	Coal Creek	03-NSK-0039_0	5a	Aquatic life impairment, biological impact	5b	fish kill – ammonia	Low

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
296	Mississippi River	03-SKM-0010_1	5a	Aquatic life impairment, violation of chronic WQ criterion	5a	aluminum	Low
297	Mississippi River	03-SKM-0010_1	5a	Aquatic life impairment, violation of chronic WQ criterion	5a	arsenic	Low
298	Mississippi River	03-SKM-0010_1	5a	Primary contact impairment, listed by Illinois EPA	5a	bacteria	Low
299	Mississippi River	03-SKM-0010_2	5a	Primary contact impairment, listed by Illinois EPA	5a	bacteria	Low
300	Geode Lake	03-SKU-00650-L_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	High
301	Geode Lake	03-SKU-00650-L_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	High
302	Geode Lake	03-SKU-00650-L_0	5a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	High
303	Geode Lake	03-SKU-00650-L_0	5a	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	Low
304	Saunders Branch	03-SKU-0085_0	5a	Aquatic life impairment, biological impact	5a	low biotic index - ammonia	Low
305	Saunders Branch	03-SKU-0085_0	5a	Aquatic life impairment, biological impact	5a	low biotic index – low DO/organic enrichment	Low
306	Saunders Branch	03-SKU-0085_0	5a	Aquatic life impairment, biological impact	5a	low biotic index – priority organics	Low

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
307	Cedar Creek	03-SKU-0090_1	2b	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
308	Walton Reservoir	03-SKU-00945-L_0	5a	Drinking water impairment, average levels > MCL	5a	atrazine	Low
309	Crow Creek	03-SKU-0116_0	3a	Aquatic life impairment, biological impact	5b	fish kill – fertilizer/pesticides	Low
310	West Fork Crooked River	03-SKU-0130_0	5b	Aquatic life impairment, biological impact	5b	fish kill	Low
311	Lake Darling	03-SKU-01450-L_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Medium
312	South Skunk River	03-SSK-0010_2	1	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
313	South Skunk River	03-SSK-0010_3	5a	Drinking water impairment, > 10% of samples violate MCL	5a	nitrate	Low
314	South Skunk River	03-SSK-0010_3	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
315	White Oak Conservation Area Lake	03-SSK-00118-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	Medium
316	White Oak Conservation Area Lake	03-SSK-00118-L_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	Medium
317	White Oak Conservation Area Lake	03-SSK-00118-L_0	5a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	Medium

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
318	White Oak Conservation Area Lake	03-SSK-00118-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	5a	turbidity	Medium
319	Lake Keomah	03-SSK-00120-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	High
320	Lake Keomah	03-SSK-00120-L_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	High
321	Lake Keomah	03-SSK-00120-L_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	High
322	Lake Keomah	03-SSK-00120-L_0	5a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	High
323	South Skunk River	03-SSK-0020_1	3b	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
324	South Skunk River	03-SSK-0030_2	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
325	South Skunk River	03-SSK-0030_3	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
326	Indian Creek	03-SSK-0040_0	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
327	Hickory Grove Lake	03-SSK-00530-L_0	2a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	High
328	Lake Patoka	03-SSK-0056-L_0	5b	Aquatic life impairment, biological impact	5b	fish kill - chlorine	Medium

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
329	Ballard Creek	03-SSK-0057_0	5b	Aquatic life impairment, biological impact	5b	fish kill – ammonia/lowDO	Low
330	Walnut Creek	03-SSK-0058_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	High
331	Long Dick Creek	03-SSK-0090_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	High
332	Long Dick Creek	03-SSK-0091_0	5b	Aquatic life impairment, biological impact	5b	fish kill – animal waste	High
333	Unnamed Tributary to South Skunk River	03-SSK-0130_0	3a	Aquatic life impairment, biological impact	5b	fish kill – animal waste	Low
334	Buffalo Creek	04-EDM-0090_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
335	Buffalo Creek	04-EDM-0090_3	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
336	North Fabius River	04-FAB-0010_0	3a	Aquatic life impairment, biological impact	5b	low biotic index	Medium
337	Fox River	04-FOX-0010_1	1	Aquatic life impairment, biological impact	5b	low biotic index	Low
338	Fox River	04-FOX-0010_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
339	Des Moines River	04-LDM-0010_1	2b	Primary contact impairment, > 10% of samples exceed single-sample maximum criterion.	5a	bacteria	Low
340	Des Moines River	04-LDM-0010_2	1	Primary contact impairment, > 10% of samples exceed single-sample maximum criterion.	5a	bacteria	Low

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
341	Des Moines River	04-LDM-0010_3	2a	Aquatic life impairment, biological impact	5b	fish kill	Low
342	Des Moines River	04-LDM-0010_4	5b	Aquatic life impairment, biological impact	5b	fish kill	Low
343	Des Moines River	04-LDM-0020_1	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
344	Des Moines River	04-LDM-0020_1	5a	Aquatic life impairment, biological impact	5b	fish kill	Low
345	Des Moines River	04-LDM-0020_2	5a	Primary contact impairment, > 10% of samples exceed single-sample maximum criterion.	5a	bacteria	Low
346	Ottumwa Lagoon	04-LDM-00215-L_0	4a	Aquatic life impairment, biological impact	5b	fish kill – petroleum products	Low
347	Roberts Creek Lake	04-LDM-00380-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	5a	turbidity	Medium
348	Roberts Creek Lake	04-LDM-00380-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	Medium
349	Des Moines River	04-LDM-0040_1	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	High
350	Des Moines River	04-LDM-0040_2	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	High
351	Des Moines River	04-LDM-0040_3	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	High

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
352	Soap Creek	04-LDM-0090_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
353	Sugar Creek	04-LDM-0119_0	5b	Aquatic life impairment, biological impact	5b	fish kill – industrial chemical	Low
354	Miller Creek	04-LDM-0130_0	5b	Aquatic life impairment, biological impact	5b	fish kill	Low
355	Muchakinock Creek	04-LDM-0140_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
356	Muchakinock Creek	04-LDM-0140_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
357	Cedar Creek	04-LDM-0160_0	2a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
358	Cedar Creek	04-LDM-0170_0	3a	Aquatic life impairment, biological impact	5b	low biotic index	Low
359	White Breast Creek	04-LDM-0200_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	low DO	Low
360	White Breast Creek	04-LDM-0200_0	5a	Aquatic life impairment, biological impact	5b	low biotic index	Low
361	White Breast Creek	04-LDM-0200_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Medium
362	White Breast Creek	04-LDM-0210_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
363	Red Haw Lake	04-LDM-02296-L_0	2a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
364	South River	04-LDM-0230_0	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
365	Lake Ahquabi	04-LDM-02615-L_0	2a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	High
366	West Lake (Osceola)	04-LDM-02690-L_0	4a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	low DO	Medium
367	Middle River	04-LDM-0270_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
368	Middle River	04-LDM-0270_0	5b	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
369	Hooper Area Pond	04-LDM-02718-L_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	High
370	South Banner Lake	04-LDM-02725-L_0	3a	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	Low
371	North Banner Lake	04-LDM-02726-L_0	3a	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	Low
372	Meadow Lake	04-LDM-02870-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	Medium
373	North River	04-LDM-0300_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
374	North River	04-LDM-0300_2	5b	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
375	Cedar Lake	04-LDM-03085-L_0	5a	Drinking water impairment, average levels > MCL	5a	atrazine	Medium

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
376	Black Hawk Lake	04-RAC-00475-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	High
377	Black Hawk Lake	04-RAC-00475-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	5a	turbidity	High
378	Black Hawk Lake	04-RAC-00475-L_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	High
379	North Raccoon River	04-RAC-0050_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
380	North Raccoon River	04-RAC-0050_2	5b	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
381	Marrowbone Creek	04-RAC-0123_0	5b	Aquatic life impairment, > 10% samples violate WQ criterion	5a	low DO	High
382	Marrowbone Creek	04-RAC-0123_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	High
383	Lake Creek	04-RAC-0130_2	3b	Aquatic life impairment, biological impact	5b	fish kill	Low
384	Poor Farm Creek	04-RAC-01695_0	5b	Aquatic life impairment, biological impact	5b	fish kill	Low
385	South Raccoon River	04-RAC-0170_0	5b	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
386	Lateral 6	04-RAC-01700_0	3a	Aquatic life impairment, biological impact	5b	fish kill	Low
387	Beaver Lake	04-RAC-01750-L_0	1	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	Medium

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
388	Mosquito Creek	04-RAC-02401_0	5b	Aquatic life impairment, biological impact	5b	fish kill - ammonia	Low
389	Brushy Creek	04-RAC-0251_0	5b	Aquatic life impairment, biological impact	5b	fish kill - ammonia/low DO	High
390	Brushy Creek	04-RAC-0253_0	3b	Aquatic life impairment, biological impact	5b	fish kill - ammonia/low DO	High
391	Des Moines River	04-UDM-0010_1	1	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
392	Des Moines River	04-UDM-0010_2	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	High
393	Des Moines River	04-UDM-0010_2	5a	Drinking water impairment, > 10% of samples violate MCL	5a	nitrate	High
394	Saylorville Reservoir	04-UDM-0020-L_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
395	Des Moines River	04-UDM-0030_1	2a	Primary contact impairment, > 10% of samples exceed single-sample maximum criterion.	5a	bacteria	Low
396	Des Moines River	04-UDM-0030_2	2a	Primary contact impairment, > 10% of samples exceed single-sample maximum criterion.	5a	bacteria	Low
397	Des Moines River	04-UDM-0040_1	1	Primary contact impairment, > 10% of samples exceed single-sample maximum criterion.	5a	bacteria	Low

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
398	Des Moines River	04-UDM-0040_2	1	Primary contact impairment, > 10% of samples exceed single-sample maximum criterion.	5a	bacteria	Low
399	Des Moines River	04-UDM-0070_0	2a	Primary contact impairment, > 10% of samples exceed single-sample maximum criterion.	5a	bacteria	Low
400	Beaver Creek	04-UDM-0110_1	5a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
401	Big Creek Lake	04-UDM-0140-L_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	High
402	Skillet Creek	04-UDM-0170_0	5b	Aquatic life impairment, biological impact	5b	low biotic index - WWTP discharge	Low
403	Boone River	04-UDM-0180_1	2b	Primary contact impairment, > 10% of samples exceed single-sample maximum criterion.	5a	bacteria	Low
404	Briggs Woods Lake	04-UDM-01880-L_0	5a	Aquatic life impairment, biological impact	5b	fish kill - low DO	High
405	Lyons Creek	04-UDM-0215_0	5b	Aquatic life impairment, biological impact	5b	fish kill	High
406	Lyons Creek	04-UDM-0215_0	5b	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
407	Buttermilk Creek	04-UDM-0247_0	5a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
408	West Otter Creek	04-UDM-0253_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
409	Lizard Creek	04-UDM-0300_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
410	Lizard Creek	04-UDM-0300_1	5b	Primary contact impairment, > 10% of samples exceed single-sample maximum criterion.	5a	bacteria	Low
411	Chariton River	05-CHA-0010_2	1	Primary contact impairment, > 10% of samples exceed single-sample maximum criterion.	5a	bacteria	Low
412	Rathbun Reservoir	05-CHA-0020-L_2	5a	Drinking water impairment, average levels > MCL	5a	atrazine	High
413	Rathbun Reservoir	05-CHA-0020-L_2	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	5a	turbidity	Medium
414	Rathbun Reservoir	05-CHA-0020-L_2	5a	Aquatic life impairment, aesthetically objectionable conditions due to turbidity	5a	turbidity	Medium
415	Rathbun Reservoir	05-CHA-0020-L_2	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	Medium
416	Rathbun Reservoir	05-CHA-0020-L_3	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	5a	turbidity	Medium
417	Rathbun Reservoir	05-CHA-0020-L_3	5a	Aquatic life impairment, aesthetically objectionable conditions due to turbidity	5a	turbidity	Medium

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
418	Rathbun Reservoir	05-CHA-0010-L_3	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	Medium
419	Chariton River	05-CHA-0030_1	5a	Aquatic life impairment, > 10% samples violate WQ criterion	5a	low DO	Low
420	Chariton River	05-CHA-0030_1	5a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
421	Chariton River	05-CHA-0030_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
422	Chariton River	05-CHA-00301_1	3b	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
423	Chariton River	05-CHA-00302_0	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
424	Cooper Creek	05-CHA-0040_0	1	Aquatic life impairment, biological impact	5b	low biotic index	Low
425	Honey Creek	05-CHA-0056_0	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
426	Unnamed Tributary to Rathbun Reservoir	05-CHA-0057_0	5b	Aquatic life impairment, biological impact	5b	fish kill – petroleum products	Low
427	South Fork Chariton River	05-CHA-0060_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
428	South Fork Chariton River	05-CHA-0060_1	5a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
429	South Fork Chariton River	05-CHA-0060_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
430	South Fork Chariton River	05-CHA-0060_2	5b	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
431	Walker Branch	05-CHA-0061_0	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
432	Jordan Creek	05-CHA-0062_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
433	Jordan Creek	05-CHA-0062_0	5b	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
434	Jackson Creek	05-CHA-0063_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
435	Jackson Creek	05-CHA-0063_0	5b	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
436	West Jackson Creek	05-CHA-0064_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	High
437	Ninemile Creek	05-CHA-0066_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
438	Ninemile Creek	05-CHA-0066_0	5b	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
439	Dick Creek	05-CHA-0067_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	High
440	Honey Creek	05-CHA-0068_0	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
441	Bob White Lake	05-CHA-00690-L_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
442	Bob White Lake	05-CHA-00690-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	Low
443	Wolf Creek	05-CHA-0070_0	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
444	Wolf Creek	05-CHA-0070_0	1	Aquatic life impairment, biological impact	5b	low biotic index	Low
445	Fivemile Creek	05-CHA-0077_0	5a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
446	East Fork Medicine Creek	05-GRA-0030_0	3a	Aquatic life impairment, biological impact	5b	low biotic index	Medium
447	Thompson River	05-GRA-0040_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
448	Weldon River	05-GRA-0070_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
449	Little River	05-GRA-0080_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
450	Little River Watershed Lake	05-GRA-00810-L_0	5a	Aquatic life impairment, aesthetically objectionable conditions: Secchi TSI approaching 65.	5a	turbidity	Low
451	Little River Watershed Lake	05-GRA-00810-L_0	5a	Aquatic life impairment, aesthetically objectionable conditions: Chl-a TSI approaching 65.	5a	algae	Low

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
452	Nine Eagles Lake	05-GRA-01010-L_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Medium
453	Nine Eagles Lake	05-GRA-01010-L_0	5a	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	Low
454	Thayer Lake	05-GRA-01410-L_0	5a	Primary contact impairment, aesthetically objectionable conditions due to turbidity	5a	turbidity	Low
455	Thayer Lake	05-GRA-01410-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	Low
456	Lotts Creek	05-GRA-0170_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
457	Middle Fork Grand River	05-GRA-0180_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
458	Loch Ayr	05-GRA-01920-L_0	5a	Drinking water impairment, declining WQ trend	5a	atrazine	Low
459	Nodaway River (aka West Nodaway River)	05-NOD-0020_0	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
460	East Nodaway River	05-NOD-0030_1	3b	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
461	East Nodaway River	05-NOD-0030_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
462	Orient Lake	05-NOD-00485-L_0	4a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	Medium

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
463	Orient Lake	05-NOD-00485-L_0	4a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	Medium
464	Orient Lake	05-NOD-00485-L_0	4a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	Medium
465	Middle Nodaway River	05-NOD-0070_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
466	Mormon Trail Lake	05-NOD-00820-L_0	1	Human health impairment, issuance of fish consumption advisory	5a	mercury in fish tissue	Low
467	Mormon Trail Lake	05-NOD-00820-L_0	1	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	Low
468	Mormon Trail Lake	05-NOD-00820-L_0	1	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	Low
469	Viking Lake	05-NOD-00930-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	Medium
470	Viking Lake	05-NOD-00930-L_0	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Medium
471	East Nishnabotna River	05-NSH-0020_1	2a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
472	East Nishnabotna River	05-NSH-0020_2	3b	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
473	Cold Springs Lake	05-NSH-00310-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	Medium
474	Cold Springs Lake	05-NSH-00310-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	5a	turbidity	Medium
475	Cold Springs Lake	05-NSH-00310-L_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	Medium
476	Cold Springs Lake	05-NSH-00310-L_0	5a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	Medium
477	Troublesome Creek	05-NSH-0060_0	3a	Aquatic life impairment, biological impact	5b	low biotic index	Low
478	Davids Creek	05-NSH-0063_0	5b	Aquatic life impairment, biological impact	5b	fish kill – ammonia / low DO	Low
479	West Nishnabotna River	05-NSH-0080_1	2a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
480	West Nishnabotna River	05-NSH-0090_3	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
481	West Nishnabotna River	05-NSH-0090_4	5b	Aquatic life impairment, biological impact	5b	fish kill – ammonia / low DO	Low
482	Silver Creek	05-NSH-0120_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
483	Mud Creek	05-NSH-0128_0	3a	Aquatic life impairment, biological impact	5b	low biotic index	Medium
484	Jordan Creek	05-NSH-0133_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
485	Prairie Rose Lake	05-NSH-01440-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	High
486	Prairie Rose Lake	05-NSH-01440-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	5a	turbidity	High
487	Prairie Rose Lake	05-NSH-01440-L_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	High
488	Prairie Rose Lake	05-NSH-01440-L_0	5a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	High
489	Sands Timber Lake (aka Blockton Reservoir)	05-PLA-0015-L_0	5a	Aquatic life impairment, aesthetically objectionable conditions due to turbidity.	5a	turbidity	High
490	Platte River	05-PLA-0020_0	3a	Aquatic life impairment, biological impact	5a	fish kill	Low
491	Platte River	05-PLA-0020_1	3a	Aquatic life impairment, biological impact	5a	fish kill	Low
492	Green Valley Lake	05-PLA-00295-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	High
493	Lake of Three Fires	05-PLA-00335-L_0	5a	Primary contact impairment, geometric mean > WQ criterion.	5a	bacteria	High
494	Wilson Park Lake	05-PLA-00380-L_0	5a	Primary contact impairment, aesthetically objectionable conditions due to algae.	5a	algae	Low

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495	Wilson Park Lake	05-PLA-00380-L_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	Low
496	Wilson Park Lake	05-PLA-00380-L_0	5a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	Low
497	West Branch One Hundred And Two River	05-PLA-0040_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
498	Windmill Lake	05-PLA-00430-L_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	Low
499	Windmill Lake	05-PLA-00430-L_0	5a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	Low
500	Windmill Lake	05-PLA-00430-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	Low
501	Windmill Lake	05-PLA-00430-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	5a	turbidity	Low
502	West Tarkio Creek	05-TAR-0020_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
503	Boyer River	06-BOY-0020_1	2a	Primary contact impairment, geometric mean > WQ criterion.	5a	bacteria	Low
504	Willow Lake	06-BOY-00405-L_0	2a	Primary contact impairment, geometric mean > WQ criterion.	5a	bacteria	Low
505	Elk Creek	06-BOY-0045_0	3a	Aquatic life impairment, biological impact	5b	fish kill - ammonia	Low

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506	Big Sioux River	06-BSR-0010_3	5b	Aquatic life impairment, biological impact	5b	fish kill	Low
507	Perry Creek	06-BSR-0021_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
508	Broken Kettle Creek	06-BSR-0023_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
509	Indian Creek	06-BSR-0027_0	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
510	Lake Pahoja	06-BSR-00280-L_0	1	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	High
511	Lake Pahoja	06-BSR-00280-L_0	1	Primary contact impairment, geometric mean > WQ criterion.	5a	bacteria	High
512	Sixmile Creek	06-BSR-0029_0	5a	Aquatic life impairment, biological impact	5b	low biotic index	Low
513	Sixmile Creek	06-BSR-0029_0	5a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
514	Rock River	06-BSR-0030_0	5b	Aquatic life impairment, biological impact	5b	fish kill – ammonia/low DO	Low
515	Rock River	06-BSR-0030_0	5b	Primary contact impairment, geometric mean > WQ criterion.	5a	bacteria	Low
516	Dry Creek	06-BSR-0035_0	5b	Aquatic life use impairment, overwhelming evidence of impacts: no fish were found in IDNR/UHL biological assessments in 2004 and 2005.	5b	low biotic index	Low

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517	Dry Creek	06-BSR-0035_0	5b	Aquatic life impairment, biological impact	5b	fish kill – low DO	Medium
518	Rock River	06-BSR-0040_1	2b	Primary contact impairment, geometric mean > WQ criterion.	5a	bacteria	Low
519	Rock River	06-BSR-0040_2	1	Primary contact impairment (presumptive), > 10% of samples exceed single-sample maximum criterion.	5p	bacteria	Low
520	Little Rock River	06-BSR-0060_1	1	Primary contact impairment, geometric mean > WQ criterion.	5a	bacteria	Low
521	Little Rock River	06-BSR-0060_3	1	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
522	Unnamed tributary to Little Rock River	06-BSR-0065_0	5b	Aquatic life impairment, biological impact	5b	fish kill – ammonia	Low
523	Otter Creek	06-BSR-0070_3	5b	Aquatic life impairment, biological impact	5b	fish kill – low DO	Low
524	Otter Creek	06-BSR-0072_0	5b	Aquatic life impairment, biological impact	5b	fish kill – ammonia	Low
525	Mud Creek	06-BSR-0080_0	5b	Aquatic life impairment, biological impact	5b	fish kill – low DO	Low
526	Mud Creek	06-BSR-0080_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
527	Mud Creek	06-BSR-0080_0	5b	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low

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528	Floyd River	06-FLO-0010_0	5a	Primary contact impairment, geometric mean > WQ criterion.	5a	bacteria	Low
529	Floyd River	06-FLO-0020_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
530	Floyd River	06-FLO-0020_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
531	Floyd River	06-FLO-0020_2	5b	Aquatic life impairment, biological impact	5b	fish kill – organic enrichment/ low DO	Low
532	West Branch Floyd River	06-FLO-0040_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
533	Willow Creek	06-FLO-0065_0	5b	Aquatic life impairment, biological impact	5b	fish kill – ammonia/low DO	Low
534	Deep Creek	06-FLO-0070_0	3a	Aquatic life impairment, biological impact	5b	fish kill	Low
535	Deep Creek	06-FLO-0070_0	3a	Aquatic life impairment, biological impact	5b	low biotic index	Low
536	Little Sioux River	06-LSR-0020_1	2a	Primary contact impairment, geometric mean > WQ criterion.	5a	bacteria	Low
537	Little Sioux Park Lake	06-LSR-00250-L_0	2a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	Low
538	Little Sioux Park Lake	06-LSR-00250-L_0	2a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	Low
539	Little Sioux River	06-LSR-0030_1	5a	Primary contact impairment, > 10% of samples exceed single-sample maximum criterion.	5a	bacteria	Low

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
540	Little Sioux River	06-LSR-0030_4	2a	Primary contact impairment, geometric mean > WQ criterion.	5a	bacteria	Low
541	Little Sioux River	06-LSR-0040_1	2a	Primary contact impairment, geometric mean > WQ criterion.	5a	bacteria	Low
542	Little Sioux River	06-LSR-0040_2	3b	Primary contact impairment, geometric mean > WQ criterion.	5a	bacteria	Low
543	Little Sioux River	06-LSR-0040_3	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
544	Maple River	06-LSR-0070_1	3b	Primary contact impairment, geometric mean > WQ criterion.	5a	bacteria	Low
545	Crawford Creek Impoundment	06-LSR-00790-L_0	2a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	Medium
546	Moorehead Park Pond	06-LSR-00805-L_0	2a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	Low
547	Odebolt Creek	06-LSR-0101_0	3b	Aquatic life impairment, biological impact	5b	fish kill – ammonia	Low
548	West Fork Little Sioux River	06-LSR-0120_1	1	Primary contact impairment (presumptive), geometric mean > WQ criterion.	5p	bacteria	Low
549	West Fork Little Sioux River	06-LSR-0120_2	3a	Aquatic life impairment, biological impact	5b	low biotic index	Low
550	New Farmer Ditch (aka Garretson Outlet Ditch)	06-LSR-0125_0	3a	Aquatic life impairment, biological impact	5b	fish kill – pesticides	Low

	Water body Name	Water body ID	2006 cat.	Rationale	2008 cat.	Listing Cause/ Pollutant	TMDL Priority
551	West Fork Little Sioux River	06-LSR-0131_0	5b	Aquatic life impairment, biological impact	5b	fish kill	Low
552	Johns Creek	06-LSR-0143_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
553	Willow Creek	06-LSR-0150_0	1	Aquatic life impairment, biological impact	5b	low biotic index	Low
554	Mill Creek	06-LSR-0170_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
555	Willow Creek	06-LSR-0223_0	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
556	Willow Creek	06-LSR-0223_0	5b	Aquatic life impairment, biological impact	5b	fish kill	Low
557	Willow Creek	06-LSR-0224_0	3a	Aquatic life impairment, biological impact	5b	fish kill – ammonia/low DO	Medium
558	Lost Island Lake	06-LSR-02390-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	5a	turbidity	High
559	Ocheyedan River	06-LSR-0250_0	3b	Primary contact impairment (presumptive), geometric mean > WQ criterion.	5p	bacteria	High
560	Stony Creek	06-LSR-0270_0	3a	Aquatic life impairment, biological impact	5b	low biotic index	Low
561	Stony Creek	06-LSR-0271_0	3a	Aquatic life impairment, biological impact	5b	fish kill – ammonia/low DO	Low
562	West Okoboji Lake: Emersons Bay	06-LSR-02840-L_2	5a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low
563	Big Spirit Lake	06-LSR-02850-L_0	2a	Primary contact impairment, geometric mean > WQ criterion	5a	bacteria	Low

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564	Center Lake	06-LSR-02890-L_0	2a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	Medium
565	Center Lake	06-LSR-02890-L_0	2a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	Medium
566	Milford Creek	06-LSR-0305_0	5a	Aquatic life impairment, biological impact	5b	low biotic index	Low
567	Silver Lake	06-LSR-03105-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	5a	turbidity	High
568	Soldier River	06-SOL-0010_1	2a	Primary contact impairment (presumptive), geometric mean > WQ criterion	5p	bacteria	Low
569	Plum Creek	06-WED-0003_2	3a	Aquatic life impairment, biological impact	5b	low biotic index	Low
570	Keg Creek	06-WED-0010_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
571	Keg Creek	06-WED-0010_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
572	Mosquito Creek	06-WED-0020_1	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
573	Mosquito Creek	06-WED-0020_2	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
574	Mosquito Creek	06-WED-0020_3	5b	Aquatic life impairment, biological impact	5b	low biotic index	Low
575	Arrowhead Pond	06-WED-00270-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	Medium
576	Arrowhead Pond	06-WED-00270-L_0	5b	Aquatic life impairment, biological impact	5a	fish kill – organic enrichment/low DO	Medium

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577	Arrowhead Pond	06-WED-00270-L_0	5a	Aquatic life impairment, > 10% of samples violate WQ criterion	5a	pH	Medium
578	Arrowhead Pond	06-WED-00270-L_0	5a	Primary contact impairment, > 10% of samples violate WQ criterion	5a	pH	Medium
579	Missouri River	06-WEM-0020_2	5a	Human health impairment, multiple violations of arsenic criterion	5a	arsenic	Low
580	Lake Manawa	06-WEM-00235-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	Medium
581	Lake Manawa	06-WEM-00235-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	5a	turbidity	Medium
582	Carter Lake	06-WEM-00265-L_0	5a	Human health impairment, issuance of fish consumption advisory	5a	PCBs in fish tissue	Low
583	Carter Lake	06-WEM-00265-L_0	5a	Aquatic life impairment, > 10% samples violate WQ criterion	5a	low DO	Low
584	Desoto Bend	06-WEM-00340-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Chl-a TSI > 65.	5a	algae	Low
585	Desoto Bend	06-WEM-00340-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	5a	turbidity	Low
586	Browns Lake	06-WEM-00485-L_0	5a	Primary contact impairment, aesthetically objectionable conditions: Secchi TSI > 65.	5a	turbidity	High