

April 25, 2013

Iowa's final 2012 Integrated Report: waters removed from Iowa's 2010 impaired waters list

Category 5 waters: impaired by a pollutant and in need of a TMDL (i.e., the state's Section 303(d) list)

Explanations of Integrated Report subcategories used in this table:

Category 2a: at least one designated use is met, but insufficient information exists to determine if other uses are met.

Category 3a: insufficient data exist to determine whether any designated uses are met.

Category 4a: at least one use is impaired, but a TMDL has been completed and approved.

Category 4d: water is impaired by a fish kill but enforcement actions have been taken against responsible party.

Category 5a: cause of impairment due to known pollutant

Category 5b: biological impairment with cause unknown, or fish-kill impairment

Category 5p: impairment of presumptive use; EPA-approved use attainability analysis (UAA) is needed to determine appropriate use.

Waterbodies are listed hydrologically by major basin and by subbasin (i.e., by ADB Code).

Cycle Added	2012 IR Category	ADB Code	Waterbody Name	Waterbody Type	Location Description	Impaired Use	Use Support	Cause/Stressor	Data Source	Delisting Rationale
		Northeast Iowa River Basins								
2008	2a	IA 01-MAQ-0010_1	Rock Creek	River	mouth (S31, T81N, R6E, Clinton Co.) to unnamed tributary in SW 1/4, NE 1/4, S30, T81N, R6E, Clinton Co. (upstream from PCS Nitrogen).	Aquatic Life	Not supporting	Organic Enrichment/ Low DO	IDNR/LTRMP and PCS-Nitrogen monitoring	Two consecutive IR cycles without significantly greater than 10% violation of DO criterion.
2008	2a	IA 01-NEM-00160-L_0	Lake Of The Hills	Lake	Scott County S25T78NR2E 1/4 mi W of Davenport.	Primary Contact	Not supporting	Indicator Bacteria	DNR county beach monitoring program.	Two consecutive IR cycles with levels of indicator bacteria below WO criteria.
2008	2a	IA 01-NEM-0020_1	Mississippi River	River	from Lock & Dam 13 at Clinton (Clinton Co.) to confluence with Catfish Cr. at south edge of Dubuque (Dubuque Co.).	Fish Consumption	Partial	Mercury	IDNR/U.S. EPA (RAFT) fish tissue monitoring.	Fish contaminant monitoring in 2009 & 2010 show mercury levels below advisory threshold.

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2008	2a	IA 01-NEM-0020_2	Mississippi River	River	from Catfish Cr. at south edge of Dubuque (Dubuque Co.) to Lock & Dam 11 at north edge of Dubuque (Dubuque Co.).	Fish Consumption	Partial	Mercury	IDNR/U.S. EPA's annual fish contaminant (RAFT) monitoring program.	Fish contaminant monitoring in 2009 & 2010 show mercury levels below advisory threshold.
2006	4a	IA 01-NEM-0060_1	Duck Creek	River	mouth (S27 T78N R4E Scott Co.) to County Road (Sec 17-18 line T78N R3E Scott Co.).	Primary Contact	Not supporting	Indicator Bacteria	Volunteer samples analyzed by Davenport WPC and by UHL	TMDL for bacterial impairment approved by U.S. EPA in 2011.
2008	4a	IA 01-NEM-0060_2	Duck Creek	River	from Sec 17-18 line T78N R3E Scott Co. to unnamed trib (SE Sec14 T78N R2E Scott Co.).	Primary Contact	Not supporting	Indicator Bacteria	Joint UHL & Davenport Water Pollution Control Plant monitoring.	TMDL for bacterial impairment approved by U.S. EPA in 2011.
2010	4a	IA 01-NEM-0064_0	unnamed creek (aka Pheasant Creek)	River	from mouth (SW1/4NW1/4 S20 T78N R4E Scott Co.) to "ponds dam" in the NW1/4NE1/4 S6 T79N R4E Scott Co.	Primary Contact	Not supporting	Indicator Bacteria	IDNR/UHL TMDL monitoring 2008.	TMDL for bacterial impairment approved by U.S. EPA in 2011.
2010	4a	IA 01-NEM-0065_0	Goose Creek	River	from mouth (NE1/4 S24 T78N R3E Scott Co.) to headwaters in S27 T79N R3E Scott Co.	Primary Contact	Not supporting	Indicator Bacteria	IDNR/UHL TMDL monitoring 2008.	TMDL for bacterial impairment approved by U.S. EPA in 2011.
2010	4a	IA 01-NEM-0068_1	Silver Creek	River	from mouth (SE1/4 SE1/4 S16 T78N R3E Scott Co.) to confluence with unnamed trib in SW1/4 S33 T79N R3E Scott Co.	Primary Contact	Not supporting	Indicator Bacteria	IDNR/UHL TMDL monitoring 2008.	TMDL for bacterial impairment approved by U.S. EPA in 2011.

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2004	2a	IA 01-TRK-0360_3	Roberts Creek	River	from confluence with Silver Cr. (S16 T94N R5W Clayton Co.) to confluence with unnamed tributary in S8 T95N R6W Clayton Co.	Aquatic Life	Partial	Biological (Habitat Modification; Siltation)	IDNR biocriteria and REMAP sampling	Biological monitoring in 2008 and 2009 suggest "full support" of aquatic life uses.
2004	2a	IA 01-UIA-0010_1	Paint Creek	River	mouth (Allamakee Co.) to confluence with Little Paint Cr. in S32 T97N R3W Allamakee Co.	Aquatic Life	Not supporting	Biological	IDNR/UHL biocriteria monitoring.	Biological monitoring in 2007, 2010 & 2011 suggest "full support" of aquatic life uses.
2004	3a	IA 01-UIA-0110_3	Upper Iowa River	River	from confluence with Tenmile Cr. (S1 T98N R9W Winneshiek Co.) to confluence with Silver Cr. in S10 T99N R9W Winneshiek Co.	Aquatic Life	Partial	Biological (Flow Alteration; Habitat Modification; Nutrients; Siltation)	ISU & IDNR freshwater mussel surveys.	Results of an IDNR mussel survey in July 2012 show recovery of mussel community.
2006	2a	IA 01-VOL-00130-L_0	Frog Hollow (aka Volga Lake)	Lake	Fayette County S3T93NR8W 4 mi. NNE of Fayette.	Aquatic Life	Partial	pH	ISU and UHL lake surveys.	Two consecutive IR cycles with pH levels below impairment thresholds.
2006	2a	IA 01-VOL-00130-L_0	Frog Hollow (aka Volga Lake)	Lake	Fayette County S3T93NR8W 4 mi. NNE of Fayette.	Primary Contact	Threatened	pH	ISU and UHL lake surveys.	Two consecutive IR cycles with pH levels below impairment thresholds.
2004	3a	IA 01-WPS-0010_5	Wapsipini- con River	River	from Walnut Cr. (S18 T83N R2W Jones Co.) to confluence with Buffalo Creek in S10 T84N R4W Jones Co.	Aquatic Life	Partial	Biological (Flow Alteration; Habitat Modification; Nutrients; Siltation)	ISU & IDNR freshwater mussel surveys.	Results of IDNR mussel surveys in July & August 2012 show recovery of mussel community.

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2004	3a	IA 01-WPS-0020_6	Wapsipini- con River	River	from Crane Cr. (S26 T90N R11W Black Hawk Co.) to confluence with E. Fk. Wapsipinicon R. near Tripoli in SE 1/4 S34 T93N R12W Bremer Co.	Aquatic Life	Not supporting	Biological (Flow Alteration; Habitat Modification; Nutrients; Siltation)	ISU & IDNR freshwater mussel surveys.	Results of IDNR mussel survey in August 2012 show recovery of mussel community.
2004	2a	IA 01-WPS-0030_1	Wapsipini- con River	River	from L. Wapsipinicon R. (S3 T94N R13W Chickasaw Co.) to confluence with unnamed tributary in NW 1/4 S22 T96N R14W Chickasaw Co.	Aquatic Life	Partial	Biological (Flow Alteration; Habitat Modification; Nutrients; Siltation)	IDNR/UHL biological monitoring	Results of IDNR biological monitoring in 2004 & 2010 show "full support".
2004	3a	IA 01-WPS-0030_1	Wapsipini- con River	River	from L. Wapsipinicon R. (S3 T94N R13W Chickasaw Co.) to confluence with unnamed tributary in NW 1/4 S22 T96N R14W Chickasaw Co.	Aquatic Life	Partial	Biological (Flow Alteration; Habitat Modification; Nutrients; Siltation)	ISU and IDNR freshwater mussel survey.	Results of IDNR mussel survey in August 2012 show recovery of mussel community.
2010	4d	IA 01-WPS-0183_0	Unnamed Tributary to Crane Creek	River	from mouth (SW1/4 S28 T90N R11W Black Hawk Co.) to headwaters in SE 1/4 S32 T90N R11W Black Hawk Co.	Aquatic Life	Partial	Biological	IDNR fish kill investigation.	Restitution sought and/or received for 2009 fish kill.
2010	4d	IA 01-YEL-0020_2	Buck Creek	River	from west line of S9T93NR3W (Clayton Co.) to confluence with unnamed tributary in S32 T94N R3W Clayton Co.	Aquatic Life	Partial	Biological	IDNR fish kill investigation.	Restitution sought and/or received for 2009 fish kill.

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2010	4d	IA 01-YEL-0021_0	Buck Creek	River	from confluence with unnamed tributary (T94N R03W Sec32) to headwaters (T94N R04W Sec26)	Aquatic Life	Partial	Biological	IDNR fish kill investigation.	Restitution sought and/or received for 2009 fish kill.
2004	5a	IA 01-YEL-0070_0	Yellow River	River	mouth (S34 T96N R3W Allamakee Co.) to County Road X-26 bridge in S24 T96N R5W Allamakee Co.	Primary Contact	Not supporting	Indicator Bacteria	IDNR/UHL ambient WQ monitoring	TMDL for bacterial impairment approved by U.S. EPA in 2013.
2008	5a	IA 01-YEL-0080_2	Yellow River	River	from old Hwy 51 crossing (NE 1/4 S11 T96N R6W Allamakee Co.) to confluence with N. Fk. Yellow R. in S13 T96N R7W Winneshiek Co.	Primary Contact	Not supporting	Indicator Bacteria	IDNR bacterial monitoring.	TMDL for bacterial impairment approved by U.S. EPA in 2013.
2008	5a	IA 01-YEL-0080_2	Yellow River	River	from old Hwy 51 crossing (NE 1/4 S11 T96N R6W Allamakee Co.) to confluence with N. Fk. Yellow R. in S13 T96N R7W Winneshiek Co.	Secondary Contact	Not supporting	Indicator Bacteria	IDNR bacterial monitoring 2006-2008.	TMDL for bacterial impairment approved by U.S. EPA in 2013.
2008	5a	IA 01-YEL-0080_3	Yellow River	River	from N. Fk. Yellow R. (S13 T96N R7W Allamakee Co.) to confluence with unnamed tributary in SE 1/4 S8 T96N R7W Winneshiek Co.	Primary Contact	Not supporting	Indicator Bacteria	Yellow River Watershed Project monitoring.	TMDL for bacterial impairment approved by U.S. EPA in 2013.
2008	5a	IA 01-YEL-0090_0	Dousman Creek	River	mouth (S33 T96N R3W Allamakee Co.) to Allamakee-Clayton county line.	Primary Contact	Not supporting	Indicator Bacteria	Yellow River Watershed Project monitoring.	TMDL for bacterial impairment approved by U.S. EPA in 2013.
2008	5a	IA 01-YEL-0100_0	Suttle Creek	River	mouth (S17 T96N R4W Allamakee Co.) to Allamakee-Clayton county line.	Secondary Contact	Not supporting	Indicator Bacteria	IDNR/UHL monitoring for Yellow River Watershed Project 2004-06.	TMDL for bacterial impairment approved by U.S. EPA in 2013.

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2008	5a	IA 01-YEL-0100_0	Suttle Creek	River	mouth (S17 T96N R4W Allamakee Co.) to Allamakee-Clayton county line.	Primary Contact	Not supporting	Indicator Bacteria	Yellow River Watershed Project monitoring.	TMDL for bacterial impairment approved by U.S. EPA in 2013.
2008	5a	IA 01-YEL-0110_0	Unnamed Creek (aka Bear Cr.)	River	mouth (S13 T96N R5W Allamakee Co.) to north line of S12 T96N R5W Allamakee Co.	Primary Contact	Not supporting	Indicator Bacteria	IDNR bacterial monitoring.	TMDL for bacterial impairment approved by U.S. EPA in 2013.
2012	5a	IA 01-YEL-0110_0	Unnamed Creek (aka Bear Cr.)	River	mouth (S13 T96N R5W Allamakee Co.) to north line of S12 T96N R5W Allamakee Co.	Secondary Contact	Not supporting	Indicator Bacteria	Yellow River Watershed Project 2008-09	TMDL for bacterial impairment approved by U.S. EPA in 2013.
2008	5a	IA 01-YEL-0120_1	Hickory Creek	River	mouth (NE 1/4 S23 T96N R5W Allamakee Co.) to south line of S28 T96N R5W Allamakee Co.	Primary Contact	Not supporting	Indicator Bacteria	Yellow River Watershed Project monitoring.	TMDL for bacterial impairment approved by U.S. EPA in 2013.
2008	5p	IA 01-YEL-0125_0	Williams Creek	River	mouth (S9 T96N R5W Allamakee Co.) to confluence with unnamed tributary in S17 T96N R5W Allamakee Co.	Primary Contact	Not supporting	Indicator Bacteria	IDNR bacteria monitoring.	TMDL for bacterial impairment approved by U.S. EPA in 2013.
2008	5a	IA 01-YEL-0130_0	Norfolk Creek	River	mouth (S6 T96N R5W Allamakee Co.) to confluence with Teeple Cr. in S24 T97N R6W Allamakee Co.	Primary Contact	Not supporting	Indicator Bacteria	IDNR bacteria monitoring.	TMDL for bacterial impairment approved by U.S. EPA in 2013.
2008	5p	IA 01-YEL-0150_0	Unnamed Creek (aka Ludlow Creek)	River	mouth (NW 1/4 S2 T96N R6W Allamakee Co.) to confluence with unnamed tributary in S33 T97N R6W Allamakee Co.	Primary Contact	Not supporting	Indicator Bacteria	IDNR bacteria monitoring.	TMDL for bacterial impairment approved by U.S. EPA in 2013.
2008	5b	IA 01-YEL-0155_0	Unnamed Creek (aka Hecker Cr.)	River	mouth (S17T96NR06W Allamakee Co.) to headwaters (Allamakee Co.)	Primary Contact	Not supporting	Indicator Bacteria	Yellow River Watershed Project monitoring 2004-06	TMDL for bacterial impairment approved by U.S. EPA in 2013.

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2008	5a	IA 01-YEL-0160_0	North Fork Yellow River	River	mouth (S13 T96N R7W Winneshiek Co.) to confluence with unnamed tributary in S3 T96N R7W Winneshiek Co.	Primary Contact	Not supporting	Indicator Bacteria	IDNR bacterial monitoring.	TMDL for bacterial impairment approved by U.S. EPA in 2013.
		Iowa-Cedar River Basin								
2008	2a	IA 02-CED-00210-L_0	Cedar Bend Lake	Lake	Linn Co. S35 T83N R7W; at Cedar Rapids.	Fish Consumption	Partial	PCBs	fish contaminant (RAFT) sampling	Fish contaminant monitoring in 2008 & 2010 show PCB levels below advisory threshold
2004	2a	IA 02-CED-0270_1	Lime Creek	River	mouth (SW 1/4 S4 T86N R10W Benton Co.) to confluence with unnamed tributary in S1 T87N R10W Buchanan Co.	Aquatic Life	Partial	Biological (Flow Alteration; Habitat Modification; Nutrients; Siltation)	ISU & IDNR freshwater mussel surveys.	Results of IDNR mussel surveys in 2007, 2009, and 2010 show recovery of mussel community.
2004	3a	IA 02-CED-0505_1	Unnamed Creek (aka Drainage Ditch 3)	River	mouth (SW 1/4 S1 T95N R16W Floyd Co.) to confluence with unnamed tributary in T95N R16W Sec 4 Floyd Co.	General Use	Partial	Chlorine	IDNR fish kill follow-up monitoring in August 2011.	Results of an August 2011 IDNR follow-up survey show that the fish community has recovered from the 2001 fish kill
2010	5b	IA 02-ICD-0020_3	Flint Creek	River	from unnamed tributary (aka Big Hollow Cr.) (S25 T71N R4W Des Moines Co.) to confluence with unnamed tributary in S21 T71N R4W Des Moines Co.	Aquatic Life	Partial	Biological: fish kill	Fish kill in 2009 due to aerial spraying of pesticides.	Restitution sought and/or received for 2009 fish kill.

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2010	5b	IA 02-ICD-0021_0	Flint Creek	River	from confluence with unnamed tributary (T71N R04W Sec21 Des Moines Co.) to headwaters (T71N R05W Sec23 NW Henry Co.)	Aquatic Life	Partial	Biological: fish kill	Fish kill in 2009 due to aerial spraying of pesticides.	Restitution sought and/or received for 2009 fish kill.
2006	3a	IA 02-ICM-0010_1	Mississippi River	River	from confluence with Skunk R. (S8 T68N R2W Des Moines Co.) to the Burlington water supply intake (Des Moines Co.).	Primary Contact	Not supporting	Indicator Bacteria	Illinois EPA	Original (2006) listing based entirely on ILEPA listing; ILEPA de-listed this impairment for the 2012 IR cycle.
2006	3a	IA 02-ICM-0010_2	Mississippi River	River	from Burlington water supply intake (Des Moines Co.) to confluence with Iowa R (S36 T74N R2W Louisa Co.)	Primary Contact	Not supporting	Indicator Bacteria	Illinois EPA	Original (2006) listing based entirely on ILEPA listing; ILEPA de-listed this impairment for the 2012 IR cycle.
2004	3a	IA 02-IOW-0030_1	Iowa River	River	from confluence with English R. (Washington Co.) to Burlington Street Dam in Iowa City (Johnson Co.)	Aquatic Life	Partial	Biological (Flow Alteration; Habitat Modification; Nutrients; Siltation)	ISU & IDNR freshwater mussel surveys.	Results of IDNR mussel surveys in 2011 and 2012 show recovery of mussel community.
2006	2a	IA 02-IOW-01150-L_0	Iowa Lake	Lake	Iowa County S19T79NR11W 4 mi. NNW of Millersburg.	Aquatic Life	Partial	pH	ISU and UHL lake surveys.	Two consecutive IR cycles with pH levels below impairment thresholds.
2006	2a	IA 02-IOW-01150-L_0	Iowa Lake	Lake	Iowa County S19T79NR11W 4 mi. NNW of Millersburg.	Primary Contact	Partial	pH	ISU and UHL lake surveys.	Two consecutive IR cycles with pH levels below impairment thresholds.

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2010	4d	IA 02-IOW-0152_0	Picayune Creek	River	from mouth (T78N R06W Sec17) to headwaters (T78N R07W Sec19), Johnson Co.	Aquatic Life	Partial	Organic Enrichment/ Low DO	IDNR fish kill investigation.	Restitution sought and/or received for 2009 fish kill.
2010	4d	IA 02-IOW-01525_0	Unnamed Tributary to Picayune Creek	River	from mouth (T78N R07W Sec23) to headwaters (T78N R07W Sec20 NW)	Aquatic Life	Partial	Organic Enrichment/ Low DO	IDNR fish kill investigation.	Restitution sought and/or received for 2009 fish kill.
2008	3a	IA 02-IOW-02611_0	Unnamed tributary to Drainage Ditch 55	River	mouth (T87N R22W Sec36 Hardin Co.) to headwaters (T87N R22W Sec34 Hardin Co.)	Aquatic Life	Partial	Ammonia	IDNR fish kill follow-up monitoring in October 2011.	Results of an October 2011 IDNR follow-up survey show that the fish community has recovered from the 2006 fish kill.
2008	2a	IA 02-IOW-04095-L_0	Crystal Lake	Lake	Hancock County S15T97NR25W at Crystal Lake.	Primary Contact	Not supporting	Indicator Bacteria	DNR beach monitoring program.	Two consecutive IR cycles with levels of indicator bacteria below impairment thresholds.
2010	4d	IA 02-WIN-0020_1	Winnebago River	River	from upper end of mill pond at Fertile to confluence with Pike Run in S25 T99N R24W Winnebago Co.	Aquatic Life	Partial	Unknown Toxicity	IDNR fish kill investigation.	Restitution sought and/or received for 2009 fish kill.
Skunk River Basin										
2006	3a	IA 03-NSK-0039_0	Coal Creek	River	from mouth (SW 1/4 S36 T76N R13W Keokuk Co.) to headwaters in center S17 T77N R13W Keokuk Co.	General Use		Ammonia	IDNR fish kill follow-up monitoring in September 2011.	Results of an September 2011 IDNR follow-up survey show that the fish community has recovered from the 2003 fish kill.

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2006	3a	IA 03-SKM-0010_1	Mississippi River	River	IA/MO line to confluence with Sugar Cr. in S23, T67N, R5W, Lee Co.	Primary Contact	Not supporting	Indicator Bacteria	Illinois EPA	Original (2006) listing based entirely on ILEPA listing; ILEPA de-listed this impairment for the 2012 IR cycle.
2006	3a	IA 03-SKM-0010_2	Mississippi River	River	from confluence with Sugar Cr. (S23 T67N R5W Lee Co.) to confluence with Skunk R.	Primary Contact	Not supporting	Indicator Bacteria	Illinois EPA	Original (2006) listing based entirely on ILEPA listing; ILEPA de-listed this impairment for the 2012 IR cycle.
2010	5b	IA 03-SKU-0080_3	Big Creek	River	from confluence with Brandywine Cr. (S29 T72N R6W Henry Co.) to Lawrence Cr. in S5 T71N R5W Henry Co. (Note: Segment boundary changed in 2004 to match 2002 WQ Standards.)	Aquatic Life	Partial	Biological: fish kill	Fish kill in October 2008 caused by spill of liquid manure from dairy operation.	Restitution sought and/or received for 2008 fish kill.
2010	5b	IA 03-SKU-0081_0	South Big Creek	River	from confluence with Lawrence Creek (T71N R5W Sec5) to headwaters (T72N R4W Sec20)	Aquatic Life	Partial	Biological: fish kill	Fish kill in October 2008 caused by spill of liquid manure from dairy operation.	Restitution sought and/or received for 2008 fish kill.
2006	5a	IA 03-SKU-00650-L_0	Geode Lake	Lake	Henry County S36T70NR5W 4 mi. SW of Danville.	Primary Contact	Not supporting	Indicator Bacteria	DNR Beach monitoring	TMDL for bacteria and pH approved by U.S. EPA in 2009.
2006	5a	IA 03-SKU-00650-L_0	Geode Lake	Lake	Henry County S36T70NR5W 4 mi. SW of Danville.	Primary Contact	Partial	pH	ISU and UHL lake surveys.	TMDL for bacteria and pH approved by U.S. EPA in 2009.
2006	5a	IA 03-SKU-00650-L_0	Geode Lake	Lake	Henry County S36T70NR5W 4 mi. SW of Danville.	Aquatic Life	Partial	pH	ISU and UHL lake surveys.	TMDL for bacteria and pH approved by U.S. EPA in 2009.

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2004	2a	IA 03-SKU-00945-L 0	Walton Reservoir	Lake	Jefferson County S30T72NR9W at NE edge of Fairfield.	Drinking Water	Not supporting	Atrazine	Results of Syngenta Inc. monitoring, 2010-2012.	Average levels of atrazine below MCL in monitoring from 2010-2012.
2004	3a	IA 03-SKU-0130 0	West Fork Crooked Creek	River	mouth to trib S21T76NR9W Washington Co	Aquatic Life	Partial	Biological	IDNR/SHL biological monitoring in October 2010.	Results of IDNR/SHL biological (fish/invert) monitoring in October 2010 show that the fish community has recovered from the 2002 fish kill.
2006	2a	IA 03-SKU-01450-L 0	Lake Darling	Lake	Washington County S21T74NR9W 3 mi W of Brighton.	Primary Contact	Not supporting	Indicator Bacteria	IDNR beach monitoring 2008.	IDNR beach monitoring in 2008 shows "full support" of primary contact recreation uses.
2010	4d	IA 03-SKU-0174 0	Unnamed Tributary to Indian Creek	River	from mouth (center S6 T74N R8W Washington Co.) to headwaters (T75N R8W Sec29 Washington Co.)	Aquatic Life	Partial	Unknown Toxicity	IDNR fish kill investigation.	Restitution sought and/or received for 2009 fish kill.
2006	4a	IA 03-SSK-00120-L 0	Lake Keomah	Lake	Mahaska County S13T75NR15W 4.5 mi E of Oskaloosa.	Primary Contact	Partial	Algae	ISU statewide lake survey 2000-2004. information from DNR Fisheries	TMDL for algae and pH impairments approved by U.S. EPA in 2011.
2006	4a	IA 03-SSK-00120-L 0	Lake Keomah	Lake	Mahaska County S13T75NR15W 4.5 mi E of Oskaloosa.	Aquatic Life	Partial	pH	ISU statewide lakes survey 2000-04	TMDL for algae and pH impairments approved by U.S. EPA in 2011.
2006	4a	IA 03-SSK-00120-L 0	Lake Keomah	Lake	Mahaska County S13T75NR15W 4.5 mi E of Oskaloosa.	Primary Contact	Partial	pH	ISU statewide lakes survey 2000-04	TMDL for algae and pH impairments approved by U.S. EPA in 2011.

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		Des Moines-Raccoon River Basin								
2010	2a	IA 04-LDM-0030-L_0	Red Rock Reservoir	Reservoir	Marion County S19T76NR18W near Pella.	Primary Contact	Not supporting	Indicator Bacteria	ISU/ACOE beach monitoring program, 2008-10.	ISU/ACOE beach monitoring from 2008-10 shows "full support" of primary contact recreation uses.
2004	2a	IA 04-LDM-0200_0	White Breast Creek	River	from mouth (S10 T76N R19W Marion Co.) to confluence with Little White Breast Cr. in S11 T73 R22 Lucas Co.	Aquatic Life	Threatened	Organic Enrichment/Low DO	IDNR/UHL ambient WQ monitoring	Lack of DO violations; only two in last 10 years of monthly ambient monitoring.
2008	2a	IA 04-RAC-00475-L_0	Black Hawk Lake	Lake	Sac County S35T87NR36W at Lake View.	Primary Contact	Not supporting	Indicator Bacteria	DNR beach monitoring program.	Methodology change: no recreation seasons with significantly > 10% violation; also, no geometric means violate.
2004	4a	IA 04-RAC-00475-L_0	Black Hawk Lake	Lake	Sac County S35T87NR36W at Lake View.	Primary Contact	Not supporting	Algae	ISU statewide lake survey	TMDL for algae and pH impairments approved by U.S. EPA in 2012.
2004	4a	IA 04-RAC-00475-L_0	Black Hawk Lake	Lake	Sac County S35T87NR36W at Lake View.	Primary Contact	Not supporting	Turbidity	ISU statewide lake survey	TMDL for algae and pH impairments approved by U.S. EPA in 2012.
2006	3a	IA 04-RAC-02401_0	Mosquito Creek	River	from confluence with unnamed tributary in S21 T81N R30W Guthrie Co. to headwaters in SW 1/4 S19 T81N R31W Guthrie Co.	General Use	Partial	Ammonia	IDNR fish kill follow-up monitoring in August 2011.	Results of an August 2011 IDNR follow-up survey show that the fish community has recovered from the 2003 fish kill
2006	4a	IA 04-UDM-0140-L_0	Big Creek Lake	Lake	Polk County S22T81NR25W near Polk City	Primary Contact	Not supporting	Indicator Bacteria	IDNR/UHL beach monitoring 2002-2004	TMDL for bacterial impairment approved by U.S. EPA in 2011.

Waters removed from Iowa's 2010 impaired waters list

Cycle Added	2012 IR Category	ADB Code	Waterbody Name	Waterbody Type	Location Description	Impaired Use	Use Support	Cause/Stressor	Data Source	Delisting Rationale
2010	2a	IA 04-UDM-01650-L 0	Don Williams Lake	Lake	Boone County S5T84NR27W 5 mi. N of Ogden.	Primary Contact	Not supporting	Indicator Bacteria	DNR beach monitoring program.	No violations of the geometric mean criterion during recreational seasons of 2008, 2009, or 2010.
2008	2a	IA 04-UDM-0180 1	Boone River	River	mouth (Webster Co.) to Hwy 17 in S18 T88N R25W Hamilton Co.	Primary Contact	Not supporting	Indicator Bacteria	IDNR/UHL statewide ambient water quality monitoring network.	None of the recreation seasons from 2007-10 had significantly > 10% of samples greater than the single-sample criterion.
2010	4a	IA 04-UDM-01880-L 0	Briggs Woods Lake	Lake	Hamilton County S17T88NR25W near Webster City.	Primary Contact	Partial	Algae	ISU and UHL lake surveys IDNR Fisheries information	TMDL for algae approved by U.S. EPA in 2011.
2006	4a	IA 04-UDM-01880-L 0	Briggs Woods Lake	Lake	Hamilton County S17T88NR25W near Webster City.	Aquatic Life	Partial	Organic Enrichment/ Low DO	IDNR fish kill investigation	TMDL for low DO approved by U.S. EPA in 2011.
2010	3a	IA 04-UDM-0510-L 0	Fourmile Lake	Wetland	Emmett County S18T99NR34W 3.5 mi W of Estherville.	Aquatic Life	Not supporting	Turbidity	DNR Shallow Lakes Monitoring DNR Wildlife and Fisheries information	Change in methodology: Secchi depth not used for shallow lake assessment/listing. Lake remains impaired for algae.
		Southern Iowa River Basins								
2008	2a	IA 05-GRA-00810-L 0	Little River Watershed Lake	Lake	Decatur County S19T69NR25W approx 2 mi NW of Leon.	Primary Contact	Threatened	Algae	ISU and UHL statewide lake surveys.	Levels of algae (chlorophyll-a) for the 2010 and 2012 cycles below impairment threshold

Waters removed from Iowa's 2010 impaired waters list

Cycle Added	2012 IR Category	ADB Code	Waterbody Name	Waterbody Type	Location Description	Impaired Use	Use Support	Cause/Stressor	Data Source	Delisting Rationale
2004	2a	IA 05-GRA-01920-L 0	Loch Ayr	Lake	Ringgold County S30T69NR29W 2 miles N of Mt. Ayr.	Drinking Water	Threatened	Atrazine	Syngenta Inc. VMP	Average levels of atrazine far below MCL in monitoring from 2010-2012.
2010	2a	IA 05-NOD-00820-L 0	Mormon Trail Lake	Lake	Adair County S17T76NR31W 1.5 mi SE of Bridgewater.	Primary Contact	Not supporting	Indicator Bacteria	DNR county beach monitoring program.	No violations of the geometric mean criterion during recreational seasons of 2008, 2009, or 2010.
2008	2a	IA 05-NOD-00820-L 0	Mormon Trail Lake	Lake	Adair County S17T76NR31W 1.5 mi SE of Bridgewater.	Aquatic Life	Partial	pH	ISU and UHL lake surveys 2002-2006.	Two consecutive IR cycles with pH levels below impairment thresholds.
2008	2a	IA 05-NOD-00820-L 0	Mormon Trail Lake	Lake	Adair County S17T76NR31W 1.5 mi SE of Bridgewater.	Primary Contact	Not supporting	pH	ISU and UHL statewide lakes surveys.	Two consecutive IR cycles with pH levels below impairment thresholds.
2010	4d	IA 05-NOD-0115 0	Rose Creek	River	from mouth (T73N R36W Sec5 Montgomery Co.) to headwaters (T74N R36W Sec4 Cass Co.)	Aquatic Life	Partial	Ammonia	IDNR fish kill investigation.	Restitution sought and/or received for 2009 fish kill.
2006	3a	IA 05-NSH-0063 0	Davids Creek	River	mouth (S4 T79N R35W Audubon Co.) to Honey Cr. in S31 T79N R34W Audubon Co.	Aquatic Life	Partial	Biological	IDNR fish kill investigation	Results of an August 2011 IDNR follow-up survey show that the fish community has recovered from the 2004 fish kill
2006	4a	IA 05-PLA-00335-L 0	Lake Of Three Fires	Lake	Taylor County S12T68NR34W 2 mi NNE of Bedford.	Primary Contact	Not supporting	Indicator Bacteria	IDNR/UHL beach monitoring 2002-2004	TMDL for bacterial impairment approved by U.S. EPA in 2010.
		Western Iowa River Basins								

Waters removed from Iowa's 2010 impaired waters list

Cycle Added	2012 IR Category	ADB Code	Waterbody Name	Waterbody Type	Location Description	Impaired Use	Use Support	Cause/Stressor	Data Source	Delisting Rationale
2008	2a	IA 06-BOY-00405-L 0	Willow Lake	Lake	Harrison County S6T80NR42W 5 mi. NW of Woodbine.	Primary Contact	Not supporting	Indicator Bacteria	DNR county beach monitoring program.	Two consecutive IR cycles with levels of indicator bacteria below impairment thresholds.
2012	4a	IA 06-BSR-0020 1	Big Sioux River	River	from confluence with Rock R. (S1 T95N R48W Sioux Co.) to confluence with Beaver Cr near Canton SD in S36 T98N R49W Lyon Co.	Primary Contact	Not supporting	Indicator Bacteria	South Dakota Dept. of Environment & Natural Resources monitoring 2008-10	TMDL for bacterial impairment approved by U.S. EPA in 2008.
2012	4a	IA 06-BSR-0020 3	Big Sioux River	River	from confluence with Ninemile Cr. (S25 T100N R49W Lyon Co.) to the Iowa / Minnesota state line at N line of S4 T100N R49W Lyon Co.	Primary Contact	Not supporting	Indicator Bacteria	South Dakota ambient monthly monitoring near Brandon.	TMDL for bacterial impairment approved by U.S. EPA in 2008.
2008	2a	IA 06-BSR-00280-L 0	Lake Pahoja	Lake	Lyon County S23T99NR48W 5 mi SSW of Larchwood.	Primary Contact	Not supporting	Indicator Bacteria	DNR county beach monitoring program.	Methodology change: no recreation seasons with significantly > 10% violation; also, no geometric means violate.
2010	4d	IA 06-BSR-0081 0	Unnamed Tributary to Mud Creek	River	from mouth (T100N R47W Sec24) to headwaters (T100N R46W Sec16 SE)	Aquatic Life	Partial	Ammonia	IDNR fish kill investigation.	Restitution sought and/or received for 2009 fish kill.
2008	2a	IA 06-LSR-00790-L 0	Crawford Creek Impoundment	Lake	Ida County S10T86NR41W 2.5 mi. S of Battle Creek.	Primary Contact	Partial	Algae	ISU and UHL lake surveys IDNR Fisheries information	Levels of algae (chlorophyll-a) for the 2010 and 2012 cycles below impairment threshold

Waters removed from Iowa's 2010 impaired waters list

Cycle Added	2012 IR Category	ADB Code	Waterbody Name	Waterbody Type	Location Description	Impaired Use	Use Support	Cause/Stressor	Data Source	Delisting Rationale
2008	3a	IA 06-LSR-0101_0	Odebolt Creek	River	From Unnamed Tributary in T87N R39W S24 to headwaters in Sac County.	Aquatic Life	Partial	Ammonia	IDNR fish kill investigation.	Results of an October 2011 IDNR follow-up survey show that the fish community has recovered from the 2006 fish kill.
2008	2a	IA 06-LSR-02890-L_0	Center Lake	Lake	Dickinson County S7T99NR36W 2 mi WSW of Spirit Lake.	Aquatic Life	Partial	pH	ISU and UHL lake surveys.	Two consecutive IR cycles with pH levels below impairment thresholds.
2008	2a	IA 06-LSR-02890-L_0	Center Lake	Lake	Dickinson County S7T99NR36W 2 mi WSW of Spirit Lake.	Primary Contact	Partial	pH	ISU and UHL lake surveys.	Two consecutive IR cycles with pH levels below impairment thresholds.