

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

April 25, 2013

Category 4 of Iowa's final 2012 Integrated Report (IR).

Category 4 waters: water is threatened or impaired but a TMDL is not needed.

Explanations of Subcategories for Integrated Report Category 4:

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

IR Categories and subcategories used in this table:

CATEGORY 1: all uses met

CATEGORY 2: some, but not all, uses met:

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

2b: at least one use met; at least one other use potentially impaired

2b-c (calibrated): at least one designated use is met but biological monitoring in a stream of a size calibrated for IDNR's biological assessment protocol indicates a potential impairment

2b-u (uncalibrated): at least one designated use is met but biological monitoring in a stream of a size larger or smaller than calibrated for IDNR's biological assessment protocol indicates a potential impairment

CATEGORY 3: lack of sufficient information to determine whether use is met.

3a: insufficient data to determine whether the use is met

3b: insufficient data to determine whether any use is met but at least one use potentially impaired

3b-c (calibrated): biological monitoring in a stream of a size calibrated for IDNR's biological assessment protocol indicates a potential impairment; no other uses assessed.

3b-u (uncalibrated): biological monitoring in a stream of a size larger or smaller than calibrated for IDNR's biological assessment protocol indicates a potential impairment; no other uses assessed.

CATEGORY 4: use is impaired but a TMDL is not required:

4a: use is impaired but a TMDL has been prepared and approved by U.S. EPA

4c: at least one use impaired by a non-pollutant stressor

4d: fish kill impairment where administrative order has been to party responsible for kill

CATEGORY 5: used is impaired and a TMDL is required:

5a: impaired by a pollutant stressor, and a TMDL is required

5b: impairment is based on biological monitoring or fish kill investigation.

5b-t (tentative): biological monitoring in a stream of a size calibrated for IDNR's biological assessment protocol indicates a impairment, but confirmation monitoring is needed.

5b-v (verified): biological monitoring in a stream of a size larger or smaller than calibrated for IDNR's biological assessment protocol indicates impairment based on two sampling events within 5 years.

5p: a presumptively-applied beneficial use is impaired by a pollutant; TMDL required

Waterbodies are listed hydrologically by major basin and by subbasin (I.e., by waterbody ID number).

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ADB Code	Waterbody Name	Location Description	Waterbody Type	Size (miles/ acres)	Primary Contact Recreation	Secondary Contact Recreation	Childrens recreational use	Aquatic life -game fish	Aquatic life-nongame fish	Coldwater Aquatic life	Lake/wetland aquatic life	Drinking water use	Human health /fish consumption	General Use
		Northeastern Iowa River Basins												
IA 01-NEM-0081_0	Conduit Creek	mouth (T78N R05E Sec8) to headwaters (T79N R05E Sec30) Scott Co.	River	4.1	3a			4d						
IA 01-NMQ-01415_0	Unnamed Tributary to Bear Creek	mouth (T90N R3W Sec30) to headwaters (T90N R4W Sec36) Delaware Co.	River	1.2	3a			4d						
IA 01-NMQ-0142_0	Unnamed Tributary to Bear Creek	mouth (T90N R3W Sec33) to headwaters (T90N R3W Sec32) Delaware Co.	River	0.9	3a			4d						
IA 01-TRK-02415_0	Unnamed Tributary to Point Hollow Creek	mouth to headwaters (T90N R2W Sec9) Dubuque Co.	River	0.9	3a	3a				4d			3a	
IA 01-TRK-0340_0	South Branch Fountain Spring Creek	mouth (SW 1/4 S10 T90N R4W Delaware Co.) to west line of SW 1/4 S16 T90N R4W Delaware Co.	River	2	3a	3a				4d			3a	
IA 01-UIA-0346_0	Unnamed Tributary to Unnamed Tributary to Ten Mile Creek	from mouth (NW1/4 S5 T98N R09W Winneshiek Co.) to headwaters (NW1/4 S35 T99N R10W Winneshiek Co.)	River	4.1	3a			4d						
IA 01-WPS-0183_0	Unnamed Tributary to Crane Creek	from mouth (SW1/4 S28 T90N R11W Black Hawk Co.) to headwaters in SE 1/4 S32 T90N R11W Black Hawk Co.	River	1.3	3a			4d						
IA 01-YEL-0020_2	Buck Creek	from west line of S9T93NR3W (Clayton Co.) to confluence with unnamed tributary in S32 T94N R3W Clayton Co.	River	3.3	3a				4d					

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IA 01-YEL-0021_0	Buck Creek	from confluence with unnamed tributary (T94N R03W Sec32) to headwaters (T94N R04W Sec26)	River	4.5	3a			4d						
		Iowa-Cedar River Basin												
IA 02-CED-0220_2	Prairie Creek	from confluence with Mud Cr. (S21 T82N R9W Benton Co.) to confluence with unnamed tributary in S13 T83N R12W Benton Co.	River	20.8	3a			4d						
IA 02-ICD-0021_0	Flint Creek	from confluence with unnamed tributary (T71N R04W Sec21 Des Moines Co.) to headwaters (T71N R05W Sec23 NW Henry Co.)	River	6.2	3a			4d						
IA 02-ICD-0031_1	Cottonwood Drain	mouth (SE 1/4 S1 T70N R2W Des Moines Co.) to confluence with unnamed tributary in S13 T71N R2W Des Moines Co.	River	4.2	3a			4d						
IA 02-IOW-0086_0	Otter Creek	from confluence with unnamed tributary(SE1/4 S4 T73N R3W Louisa Co.) to headwaters (T73N R4W Sec16 Louisa Co.)	River	12.4	3a			4d						
IA 02-IOW-0152_0	Picayune Creek	from mouth (T78N R06W Sec17) to headwaters (T78N R07W Sec19)	River	8.8	3a			4d						
IA 02-IOW-01525_0	Unnamed Tributary to Picayune Creek	from mouth (T78N R07W Sec23) to headwaters (T78N R07W Sec20 NW)	River	3.4	3a			4d						
IA 02-IOW-0342_0	School Creek	mouth (S28 T89N R20W Hardin Co.) to confluence with unnamed tributary in S16 T89N R20W Hardin Co.	River	2	3a			4d						

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IA 02-IOW-0450_0	Short Creek	from mouth (T75N R04W Sec19 Louisa Co.) to headwaters(T75N R06W Sec3 Washington Co.)	River	13.4	3a			4d						
IA 02-IOW-0451_0	Unnamed Tributary to Short Creek	from mouth (T75N R04W Sec19 Louisa Co.) to headwaters(T75N R05W Sec36 Louisa Co.)	River	3	3a			4d						
IA 02-WIN-0020_1	Winnebago River	from upper end of mill pond at Fertile to confluence with Pike Run in S25 T99N R24W Winnebago Co.	River	32.1	3a			4d					3a	
		Skunk River Basin												
IA 03-NSK-0030_0	North Skunk River	from confluence with Sugar Cr. (S20 T78N R16W Poweshiek Co.) to confluence with Snipe Cr. in S22 T81N R19W Jasper Co.	River	47.1	3a			4d						
IA 03-SKU-0080_3	Big Creek	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 WO Standards.)	River	10.8	3a			4d						
IA 03-SKU-0081_0	South Big Creek	from confluence with Lawrence Creek (T71N R5W Sec5) to headwaters (T72N R4W Sec20)	River	12.1	3a			4d						
IA 03-SKU-0116_0	Crow Creek	from tributary in NW1/4 SW1/4 T72N R9W 31 Jefferson Co. to headwaters (T72N R10W Sec11); Jefferson Co. near Fairfield	River	5.7	3a			4d						

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IA 03-SKU-01651_0	Unnamed Tributary to Unnamed Tributary to Richland Creek	from mouth (center S32 T74N R10W Keokuk Co.) to headwaters in SW1/4 SE1/4 S12 T73N R11W Jefferson Co.	River	4	3a			4d						
IA 03-SKU-0174_0	Unnamed Tributary to Indian Creek	from mouth (center S6 T74N R8W Washington Co.) to headwaters (T75N R8W Sec29 Washington Co.)	River	3.9	3a			4d						
IA 03-SSK-0130_0	Unnamed Tributary to South Skunk River	from mouth (SE1/4 S24 T86N R24W Hamilton Co.) to headwaters in NW1/7 S17 T86N R23W Hamilton Co.	River	2.9	3a			4d						
		Des Moines/Raccoon River Basin												
IA 04-LDM-0119_0	Sugar Creek	mouth (NE 1/4 S32 T72N R13W Wapello Co.) to headwaters in SW1/4 S6 T72N R13W Wapello Co.	River	6.2	3a			4d						
IA 04-RAC-0130_2	Lake Creek	E In, Sec 12, T84N, R 34W to DD-65/9&13, Calhoun Co.	River	20.3										
IA 04-RAC-01700_0	Lateral 6	from mouth (T92N R36W Sec17) to headwaters in NE1/4 S4 T92N R37W Buena Vista Co.	River	7.1	3a			4d						
IA 04-UDM-0240_2	Eagle Creek	DD 9->L Eagle Cr S9T91NR25W Wright Co	River	5.6	3a			4d						
IA 04-UDM-02415_0	Little Eagle Creek	from mouth (T91N R25W Sec9) to headwaters (T93N R25W Sec36)	River	9.8	3a			4d						
IA 04-UDM-02417_0	Unnamed Tributary to Little Eagle Creek	from mouth (T92N R25W Sec34) to headwaters (T92N R25W Sec35)	River	0.9	3a			4d						

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		Southern Iowa River Basins												
IA 05-NOD-0115_0	Rose Creek	from mouth (T73N R36W Sec5 Montgomery Co.) to headwaters (T74N R36W Sec4 Cass Co.)	River	8.2	3a			4d						
		Western Iowa River Basins												
IA 06-BOY-0045_0	Elk Creek	mouth (T80N R43W Sec11 Harrison Co.) to headwaters (T81N R42W Sec7) Harrison Co.	River	8.4	3a			4d						
IA 06-BSR-0081_0	Unnamed Tributary to Mud Creek	from mouth (T100N R47W Sec24) to headwaters (T100N R46W Sec16 SE)	River	4.2	3a			4d						
IA 06-LSR-0125_0	New Farmer Ditch (AKA Garretson Outlet Ditch)	from mouth (T84N R45W Sec12) to headwaters (T85N R45W Sec5) Monona Co.	River	9.1	3a			4d						
IA 06-LSR-0185_0	Mud Creek	from mouth (T94N R41W Sec17) to headwaters (T94N R42W Sec5)	River	14.5	3a			4d						
IA 06-LSR-0271_0	Stony Creek	Trib S27T98NR38W Dickinson Co. to Stony Lake	River	7	3a			4d						