June 30, 2011

Category 4a of Iowa's final 2010 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 4a: at least one use is impaired, but a TMDL has been completed and approved by U.S. EPA

Note: some waters have ongoing Category 5 impairments that will require a TMDL.

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

IR Category	ADB Code	Waterbody Name	Location Description	Waterbody Type	Size (miles; acres)	Causes
			Northeast Iowa river basins:			
4a & 5a	IA 01-MAQ-0010_1	Rock Creek	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).	River	3.4	ammonia; nitrogen
4a & 5b	IA 01-MAQ-0060_1	Maquoketa River	from N. Fk. Maquoketa R. to confluence with Farm Cr. in S10 T85N R1W Jones Co.	River	26.9	bacteria
4a	IA 01-MAQ-00680-L_0	Silver Lake	Delaware County S16T88NR4W SE edge of Delhi.	Lake	34	algae; turbidity; pH; ammonia; nutrients; siltation
4a	IA 01-NMQ-0020_2	North Fork Maquoketa River	confluence with Bear Cr (S31 T89NR2W Dubuque Co.) to confluence with unnamed tributary in S18 T90N R1W Dubuque Co.	River	19.5	ammonia, nutrients, sedimentation
4a	IA 01-TRK-02245-L_0	Lake Meyer	Winneshiek County S34T97NR9W 3 mi SW of Calmar.	Lake	37	nutrients; siltation
4a & 5b	IA 01-VOL-0010_1	Volga River	mouth (S36 T92N R4W Clayton Co.) to confluence with Cox Cr. in S21 T92N R5W Clayton Co.).	River	16.1	bacteria
4a	IA 01-VOL-0010_2	Volga River	from confluence with Cox Cr. (S21 T92N R5W Clayton Co.) to bridge crossing in Volga (north line S10 T92N R6W Clayton Co.).	River	11	bacteria

IR Category	ADB Code	Waterbody Name	Location Description	Waterbody Type	Size (miles; acres)	Causes
			Iowa-Cedar River Basin:			
4a	IA 02-CED-0020_3	Cedar River	from Hwy 30 bridge at Cedar Rapids (S9 T82N R6W Linn Co) to confluence with Prairie Cr. in the SE 1/4 S34 T83N R7W Linn Co.	River	6.8	bacteria
4a	IA 02-CED-0030_1	Cedar River	from Prairie Cr. (SE 1/4 S34 T83N R7W Linn Co.) to confluence with McCloud Run in SW 1/4 S16 T83N R7W Linn Co.	River	4.5	bacteria
4a	IA 02-CED-0030_2	Cedar River	from confluence with McCloud Run (SW 1/4 S16 T83N R7W Linn Co.) to confluence with Bear Cr. in NE 1/4 S21 T84N R8W Linn Co. (includes East West Seminole and Northwest well fields for city of Cedar Rapids water supply).	River	11.6	bacteria
4a	IA 02-CED-0030_2	Cedar River	from confluence with McCloud Run (SW 1/4 S16 T83N R7W Linn Co.) to confluence with Bear Cr. in NE 1/4 S21 T84N R8W Linn Co. (includes East West Seminole and Northwest well fields for city of Cedar Rapids water supply).	River	11.6	nitrate
4a	IA 02-CED-0040_1	Cedar River	from Wolf Cr. (NE 1/4 S29 T87N R11W Black Hawk Co.) to bridge crossing in LaPorte City in S19 T87N R11W Black Hawk Co.)	River	1.4	bacteria
4a	IA 02-CED-00485-L_0	George Wyth Lake	Black Hawk County S6T89NR13W at N edge of Waterloo.	Lake	51	bacteria
4a	IA 02-CED-0050-L_0	Cedar River	from dam of Cedar Falls Impoundment (NW 1/4 S12 T89N R14W Black Hawk Co.) to upper end of impoundment (W line S2 T89N R14W Black Hawk Co.)	River	1.5	bacteria

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4a & 5a	IA 02-CED-0110_2	Cedar River	from Charles City Dam No. 2 (NW 1/4 NE 1/4 S12 T95N R16W Floyd Co.) to confluence with Rock Cr. in S24 T97N R17W Floyd Co.)	River	19	bacteria
4a	IA 02-CED-0160_0	Mud Creek	mouth (S10 T78N R2W Muscatine Co.) to confluence with unnamed tributary in S5 T78N R1E Muscatine Co.	River	14	organic enrichment
4a & 5a	IA 02-CED-0218_0	McLoud Run	mouth (SW 1/4 S16 T83N R7W Linn Co.) to headwaters in SW 1/4 S5 T83N R7W Linn Co.	River	4.1	thermal impact-fish kill
4a & 5a	IA 02-CED-02250-L_0	Cedar Lake	Linn County S21T83NR7W in Cedar Rapids.	Lake	150	chlordane (in fish)
4a	IA 02-CED-0370_1	Black Hawk Creek	mouth (S22 T89N R13W Black Hawk Co.) to Hwy 58 in E 1/2 S27 T88N R14W Black Hawk Co.)	River	11.4	bacteria
4a	IA 02-CED-0432_1	Middle Fork South Beaver Creek	mouth (N 1/2 S28 T89N R17W Grundy Co.) confluence with unnamed tributary in NE 1/4 S28 T89N R18W Grundy Co. (upstream from Grundy Co.Rd. T13).	River	9.4	nutrients; siltation
4a	IA 02-IOW-0030_2	Iowa River	from Burlington St. dam in Iowa City (Johnson Co.) to Coralville Reservoir dam (Johnson Co.)	River	8.8	bacteria
4a & 5a	IA 02-IOW-00390-L_0	Lake MacBride	Johnson County S29T81NR6W 4 mi. W of Solon.	Lake	812	nutrients; siltation
4a	IA 02-IOW-02195-L_0	Union Grove Lake	Tama County S33T85NR16W 2.5 mi NW of Garwin.	Lake	105	algae; bacteria; pH; turbidity
4a & 5a	IA 02-IOW-0330-L_0	Lower Pine Lake	Hardin County S4T87NR19W 0.5 mi E of Eldora.	Lake	50	organic enrichment
4a & 5a	IA 02-IOW-0335-L_0	Upper Pine Lake	Hardin County S4T87NR19W 0.5 mi E of Eldora.	Lake	69	siltation
4a	IA 02-SHL-0020_1	Shell Rock River	from confluence with the Winnebago River (Floyd Co.) to confluence with Rose Cr. in NW 1/4, S8, T97N, R18W, Cerro Gordo Co.	River	21.8	bacteria

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4a	IA 02-SHL-00295-L_0	Silver Lake	Worth County S14T100NR22W 8 mi. N of Joice.	Lake	316	algae; turbidity
4a & 5a	IA 02-WFC-0090-L_0	Beeds Lake	Franklin County S20T92NR20W 2 mi W 1 mi N of Hampton	Lake	100	bacteria
4a & 5a	IA 02-WIN-00450-L_0	Clear Lake	Cerro Gordo County S13T96NR22W at Clear Lake.	Lake	3684	algae; turbidity
4a	IA 02-WIN-00465-L_0	Ventura Marsh	Cerro Gordo County S19T96NR22W at Ventura.	Wetland	225	algae; turbidity
			Skunk River Basin:			
4a	IA 03-NSK-00330-L_0	Arbor Lake	Poweshiek County S20T80NR16W W edge of Grinnell	Lake	14	nutrients; siltation
4a & 5a	IA 03-NSK-00340-L_0	Rock Creek Lake	Jasper County S17T80NR17W 4 mi. ENE of Kellogg.	Lake	602	nutrients; siltation
4a	IA 03-NSK-00350-L_0	Mariposa Lake	Jasper County S32T81NR18W 6 mi. NE of Newton.	Lake	18	algae; turbidity
4a & 5a	IA 03-SKU-00650-L_0	Geode Lake	Henry County S36T70NR5W 4 mi. SW of Danville.	Lake	189	bacteria; pH
4a	IA 03-SKU-00955-L_0	Fairfield Municipal Reservoir2	Jefferson County SE 1/4S24T72NR10W near Fairfield.	Lake	49	siltation
4a & 5a	IA 03-SKU-01450-L_0	Lake Darling	Washington County S21T74NR9W 3 mi W of Brighton.	Lake	299	nutrients; siltation
4a & 5a	IA 03-SSK-00120-L_0	Lake Keomah	Mahaska County S13T75NR15W 4.5 mi E of Oskaloosa.	Lake	84	siltation
4a	IA 03-SSK-00360-L_0	Little Wall Lake	Hamilton County S10T86NR24W 1 mi. S of Jewell	Lake	236	algae; turbidity
			Des Moines / Raccoon River Basin:			
4a	IA 04-EDM-0010_1	East Fork Des Moines River	mouth (Humboldt Co.) to Hwy 169 at Devine Access in S26 T94N R29W Kossuth Co.	River	29.5	bacteria
4a	IA 04-EDM-0010_2	East Fork Des Moines River	from Hwy 169 at Devine Access (S26 T94N R29W Kossuth Co.) to County Road B63 (130th) (S23 T94N R29W Kossuth Co)	River	1.9	bacteria

IR Category	ADB Code	Waterbody Name	Location Description	Waterbody Type	Size (miles; acres)	Causes
4a	IA 04-EDM-0010_3	East Fork Des Moines River	from County Road B63 (aka 130th) (S23 T94N R29W Kossuth Co) to outfall of the Algona wastewater treatment plant (WWTP)	River	17.6	bacteria
4a	IA 04-EDM-00290-L_0	Tuttle Lake (a.k.a. Okamanpeedan Lake)	Emmett County S14T100NR32W 2 mi. N of Dolliver.	Lake	2360	algae; turbidity
4a	IA 04-EDM-00610-L_0	Lake Smith	Kossuth County S36T96NR29W 3 mi. N of Algona.	Lake	59	noxious aquatic plants
4a	IA 04-LDM-00150-L_0	Indian Lake	Van Buren County S2T67NR8W 1 mi SW of Farmington.	Lake	52	noxious aquatic plants; organic enrichment
4a & 5b	IA 04-LDM-00215-L_0	Ottumwa Lagoon	Wapello County S25T72NR14W at Ottumwa.	Lake	59	algae; turbidity; chlordane
4a	IA 04-LDM-00270-L_0	Lake Miami	Monroe County S20T73NR17W 5 mi. SE of Lovilia.	Lake	140	siltation
4a	IA 04-LDM-0040_1	Des Moines River	upper end of Red Rock Reservoir (W line S34 T77N R20W Marion Co.) to confluence with South R. in S12 T77N R22W Warren Co.	River	16.6	bacteria
4a	IA 04-LDM-0040_2	Des Moines River	from confluence with South R. (S12 T77N R22W Warren Co.) to confluence with North R. in S36 T78N R23W Polk Co.	River	11.6	bacteria
4a	IA 04-LDM-0040_3	Des Moines River	from confluence with North R. (S36 T78N R23W Polk Co.) to confluence with Raccoon R. in S10 T78N R24W Polk Co.	River	13.8	bacteria
4a & 5a	IA 04-LDM-00490-L_0	Easter Lake	Polk County S19T78R23W SE edge of Des Moines.	Lake	172	nutrients; siltation
4a	IA 04-LDM-01995-L_0	Williamson Pond	Lucas County S27T73NR21W 2 mi. E of Williamson.	Lake	30	turbidity
4a	IA 04-LDM-02190-L_0	East Lake (Osceola)	Clarke County S16T72NR25W 0.5 mi E of Osceola.	Lake	14	algae; turbidity
4a	IA 04-LDM-0228_0	Camp Creek	mouth (S7 T77N R21W Marion Co.) to confluence with unnamed tributary in S14 T79N R22W Polk Co.	River	14.8	nutrients; siltation

IR Category	ADB Code	Waterbody Name	Location Description	Waterbody Type	Size (miles; acres)	Causes
4a	IA 04-LDM-03080-L_0	Badger Creek Lake	Madison County S11T77NR27W 9 mi. E of Earlham.	Lake	269	nutrients; siltation
4a	IA 04-LDM-03085-L_0	Cedar Lake	Madison County S19T76NR27W near Winterset.	Lake	90	atrazine
4a	IA 04-LDM-03085-L_0	Cedar Lake	Madison County S19T76NR27W near Winterset.	Lake	90	nitrate
4a	IA 04-LDM-0340_0	Yeader Creek	from upper end of Easter Lake (SE 1/4 S23 T78N R24W Polk Co.) to Fleur Drive near Des Moines airport (S29 T78N R24W Polk Co.)	River	3.5	priority organics (glycols)
4a	IA 04-RAC-0010_1	Raccoon River	mouth (at Des Moines Polk Co.) to the Polk/Dallas county line	River	15.3	bacteria; nitrate
4a	IA 04-RAC-0010_2	Raccoon River	from the Polk/Dallas county line to confluence of North Raccoon and South Raccoon rivers in Dallas Co.	River	14.6	bacteria; nitrate
4a	IA 04-RAC-0020_1	Walnut Creek	mouth (S13 T78 R25W Polk Co.) to Interstate 35/80 in S33 T79N R25W Polk Co.	River	7.6	bacteria
4a	IA 04-RAC-0040_1	North Raccoon River	from confluence with Buttrick Cr. (S26 T83N R30W Greene Co.) to confluence with Short Cr. in S33 T84N R31W Greene Co.	River	14.7	bacteria
4a	IA 04-RAC-0040_5	North Raccoon River	from confluence with Camp Cr. (S7 T86N R34W Calhoun Co.) to confluence with Indian Cr. in S24 T87N R36W Sac Co.	River	17.1	bacteria
4a	IA 04-RAC-0040_6	North Raccoon River	from confluence with Indian Cr. (S24 T87N R36W Sac Co.) to confluence with Cedar Cr. in S25 T88N R36W Sac Co.	River	6.1	bacteria
4a	IA 04-RAC-00530-L_0	Storm Lake	Buena Vista County S14T90NR37W at Storm Lake.	Lake	3147	turbidity
4a	IA 04-RAC-00805-L_0	Spring Lake	Greene County S25T84NR30W 3 mi NW of Grand Junction.	Lake	49	turbidity

IR Category	ADB Code	Waterbody Name	Location Description	Waterbody Type	Size (miles; acres)	Causes
4a	IA 04-RAC-01390-L_0	North Twin Lake	Calhoun County S1T88NR33W 4 mi N of Rockwell City.	Lake	454	algae; turbidity
4a	IA 04-RAC-0200_3	Middle Raccoon River	from Panora drinking water intake to Lake Panorama dam	River	1.4	nitrate
4a	IA 04-RAC-02370-L_0	Swan Lake	Carroll County S31T84NR34W 3 mi. SE of Carroll.	Lake	112	algae; turbidity
4a	IA 04-UDM-0010_1	Des Moines River	from confluence with Raccoon R. in Des Moines to Center Street Dam in Des Moines Polk Co.	River	0.9	bacteria
4a	IA 04-UDM-0010_2	Des Moines River	from Center Street Dam in Des Moines to the Interstate 80/35 bridge in S17 T79N R24W Polk Co.	River	6.5	bacteria
4a	IA 04-UDM-0010_2	Des Moines River	from Center Street Dam in Des Moines to the Interstate 80/35 bridge in S17 T79N R24W Polk Co.	River	6.5	nitrate
4a	IA 04-UDM-01020-L_0	Silver Lake	Palo Alto County S20T95NR34W 2 mi W of Ayrshire.	Lake	664	algae; turbidity
4a & 5a	IA 04-UDM-01650-L_0	Don Williams Lake	Boone County S5T84NR27W 5 mi. N of Ogden.	Lake	148	organic enrichment; siltation
4a	IA 04-UDM-02290-L_0	Lake Cornelia	Wright County S16T92NR24W at Cornelia.	Lake	243	algae; turbidity
4a	IA 04-UDM-03850-L_0	Five Island Lake	Palo Alto County S18T96NR32W at Emmetsburg.	Lake	951	algae; turbidity
4a	IA 04-UDM-03985-L_0	Ingham Lake	Emmet County S12T98NR33W 6 mi E of Wallingford.	Lake	377	algae; turbidity
			Southern Iowa river basins:			
4a & 5a	IA 05-CHA-00690-L_0	Bob White Lake	Wayne County S4T68NR22W 1 mi W of Allerton.	Lake	89	siltation
4a & 5a	IA 05-GRA-01010-L_0	Nine Eagles Lake	Decatur County S18T67NR25W 3.5 mi. SE of Davis City.	Lake	63	turbidity
4a & 5a	IA 05-NOD-00485-L_0	Orient Lake	Adair County S20T74NR31W approx 1 mi SW of Orient.	Lake	15	siltation
4a	IA 05-NSH-00220-L_0	Pierce Creek Pond	Page County S29T70NR39W 4 mi N of Shenandoah.	Lake	33	turbidity

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4a	IA 05-NSH-00675-L_0	Littlefield Lake	Audubon County S17T78NR34W approx 4 mi SE of Exira.	Lake	56	algae; turbidity
4a & 5a	IA 05-PLA-00335-L_0	Lake Of Three Fires	Taylor County S12T68NR34W 2 mi NNE of Bedford.	Lake	97	nutrients; siltation
			Western Iowa river basins:			
4a	IA 06-BOY-00510-L_0	Yellow Smoke Park Lake	Crawford County S6T83NR38W 2 mi NE of Denison.	Lake	29	siltation
4a & 5b	IA 06-BSR-0010_3	Big Sioux River	from confluence Brule Cr. near Richland SD (S33 T92N R49W Plymouth Co.) to confluence with Indian Cr. in S9 T93N R48W Plymouth Co.	River	22.8	bacteria
4a	IA 06-BSR-0010_4	Big Sioux River	from confluence with Indian Cr. (S9 T93N R48W Plymouth Co.) to confluence with Rock R. in S1 T95N R48W Sioux Co.	River	23.7	bacteria
4a	IA 06-FLO-0080_0	Little Floyd River	mouth (S1 T96N R43W Sioux Co.) to confluence with Lamkin Cr. in S8 T96N R42W O'Brien Co.	River	3.4	low DO; sediment
4a	IA 06-LSR-02390-L_0	Lost Island Lake	Palo Alto County S31T97NR34W 3 mi N of Ruthven.	Lake	1147	turbidity
4a	IA 06-LSR-02450-L_0	Trumbull Lake	Clay County S27T97NR35W 5 mi NE of Dickens.	Lake	1183	algae; turbidity
4a	IA 06-LSR-02805-L_0	Lower Gar Lake	Dickinson County S32T99NR36W 2 mi. NE of Milford.	Lake	242	turbidity
4a	IA 06-LSR-02830-L_0	Upper Gar Lake	Dickinson County S29T99NR36W at E edge of Arnolds Park.	Lake	36	algae; turbidity
4a	IA 06-LSR-02870-L_0	Little Spirit Lake	Dickinson County S8T100NR36W 5 mi. NE of Montgomery.	Lake	618	algae; turbidity
4a	IA 06-LSR-0300_0	Milford Creek	mouth (S14 T98N R37W Dickinson Co.) to confluence with unnamed tributary in S18 T98N R36W Dickinson Co.	River	3.3	phosphorus
4a	IA 06-LSR-03105-L_0	Silver Lake	Dickinson County S28T100NR38W near Lake Park.	Lake	1041	turbidity

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4a & 5a	IA 06-WED-00270-L_0	Arrowhead Pond	Pottawattamie County S29T77NR41W 1.5 mi SE of Neola	Lake	14	siltation
4a & 5a	IA 06-WEM-00265-L_0	Carter Lake	Pottawattamie County S23T75NR44W at Carter Lake.	Lake	315	algae; turbidity
4a	IA 06-WEM-00445-L_0	Blue Lake (aka Lewis And Clark Lake)	Monona County S35T84NR46W 2 mi. W of Onawa.	Lake	228	algae; turbidity

4a:	**71**
4a & 5a:	**21**
4a & 5b:	**4**
Total:	**96**