June 30, 2011

Category 4c 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 4c: at least one use impaired, but the impairment is not caused by a "pollutant."

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)	Cause
Northeast Iowa River Basins						
4c	IA 01-NEM-00115-L_0	Klum Lake	Louisa County S25T75NR2W 2 mi. ESE of Grandview.	Wetland	240	hydrological modifications: de-watering caused by adjacent drainage ditch
4c	IA 01-TRK-0360_2	Roberts Creek	confluence with Howard Cr. (S25 T94N R5W Clayton Co.) to confluence with Silver Cr. in S16 T94N R5W Clayton Co.	River	9.7	low IBI scores attributed to habitat alterations (bank destabilization)
Iowa-Cedar River Basin						
4c	IA 02-ICM-00145-L_0	Allen Green Refuge Marsh	Des Moines County S29T72NR1W 8 mi. E of Mediapolis.	Wetland	55	hydrological modifications: de-watering caused by adjacent drainage ditch
Skunk River Basin						
4c & 4d	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	habitat alterations (channel straightening); fish kill-restitution sought/received
Des Moines River Basin						
4c	IA 04-EDM-0100_0	Little Buffalo Creek (aka North Buffalo Cr.)	mouth (S4 T97N R27W Kossuth Co.) to confluence with unnamed tributary in S5 T98N R26W Winnebago Co.	River	10.4	habitat alterations: channel straightening; removal of riparian vegetation

IR Category	ADB Code	Waterbody Name	Location Description	Waterbody Type	Size (miles; acres)	Cause
4c	IA 04-LDM-0020_3	Des Moines River	from confluence with Cedar Cr. (S33 T75N R17W Mahaska Co.) to dam of Red Rock Reservoir in S19 T76N R18W Marion Co.	River	14.5	flow alteration: operation of dam outlet & entrainment of atmospheric gasses
4c	IA 04-LDM-0210_1	White Breast Creek	from confluence with Little White Breast Cr. (S11 T73N R22W Lucas Co.) to confluence with Brush Cr. in S22 T72N R23W Lucas Co.	River	18.5	habitat alterations: channel straightening
4c	IA 04-LDM-0212_0	South White Breast Creek	mouth (S3 T71N R24W Clarke Co.) to headwaters	River	14	habitat alterations: channel straightening, riparian grazing, bank de-stabilization
4c	IA 04-RAC-00477-L_0	Black Hawk Wildlife Area	Sac County S9T86NR36W 2 mi S of Lake View.	Wetland	50	habitat alterations caused by nuisance species (purple loosestrife)
4c	IA 04-RAC-01620-L_0	Little Clear Lake	Pocahontas County S6T91NR34W 11 mi W of Pocahontas.	Wetland	187	habitat alterations caused by nuisance species (purple loosestrife)
4c	IA 04-RAC-0280-L_0	Lakin Slough	Guthrie County S34T81NR30W 2 mi ENE of Yale.	Wetland	260	habitat alterations caused by nuisance species (common carp)
4c	IA 04-UDM-0124_0	Little Beaver Creek	mouth (S14 T81N R27W Dallas Co.) to confluence with unnamed tributary in S29 T82N R27W Boone Co.	River	4.8	habitat alterations: channel straightening
Southern Iowa River Basins						
4c	IA 05-NOD-00415-L_0	Binder Lake	Adams County S25T72NR34W 1 mile NE of Corning.	Lake	60	siltation; habitat alterations caused by nuisance species (common carp; yellow bass)
Western Iowa River Basins						
4c	IA 06-LSR-0080_2	Maple River	from confluence with Silver Cr. (S13 T88N R40W Ida Co.) to confluence with Maple Cr. in S5 T91N R39W Cherokee Co.	River	27.6	habitat alterations (see assessment for 4c rationale)

IR Category	ADB Code	Waterbody Name	Location Description	Waterbody Type	Size (miles; acres)	Cause
4c	IA 06-LSR-0108_0	Halfway Creek	mouth (S22 T89N R39W Ida Co.) to confluence with unnamed tributary in SE 1/4 S24 T89N R39W Ida Co.	River	3	habitat alterations
4c	IA 06-LSR-0115_0	Maple Creek	mouth (S5 T91N R39W Cherokee Co.) to confluence with unnamed tributary in S1 T91N R39W Cherokee Co.	River	6.1	habitat alterations (see assessment for 4c rationale)
4c	IA 06-WED-0030_0	Mosquito Creek	from confluence with Spring Cr. (S9 T78N R41W Harrison Co.) to confluence with Moser Cr. in NW 1/4 S12 T80N R40W Shelby Co.	River	15.8	habitat alterations: channel straightening; removal of riparian vegetation
4c	IA 06-WEM-0010_0	Missouri River	from the Iowa/Missouri state line (Fremont Co.) to confluence with Platte R. west of Glenwood in Mills Co.	River	41	navigation-related flow alteration (stabilization) and habitat alterations (channel training structures)
4c	IA 06-WEM-0020_1	Missouri River	from confluence with Platte R. (Mills Co.) to the water supply intake at Council Bluffs near River Mile 619 in SE 1/4 S22 T75N R44W Pottawattamie Co.	River	23.3	navigation-related flow alteration (stabilization) and habitat alterations (channel training structures)
4c & 5a	IA 06-WEM-0020_2	Missouri River	from water supply intake at Council Bluffs (River Mile 619 in SE 1/4 S22 T75N R44W Pottawattamie Co.) to confluence with Boyer R. in Pottawattamie Co.	River	15.4	navigation-related flow alteration (stabilization) and habitat alterations (channel training structures)
4c	IA 06-WEM-0030_0	Missouri River	from confluence with Boyer R. (Pottawattamie Co.) to confluence with Little Sioux R. at river mile 669.2 in Harrison Co.	River	33.3	navigation-related flow alteration (stabilization) and habitat alterations (channel training structures)

IR Category	ADB Code	Waterbody Name	Location Description	Waterbody Type	Size (miles; acres)	Cause
4c	IA 06-WEM-00380-L_0	Round Lake	Harrison County S13T80NR45W 2 mi. NNW of Mondamin.	Wetland	350	hydrological modifications: de-watering caused by channel degradation of Missouri River
4c	IA 06-WEM-0040_1	Missouri River	from confluence with Little Sioux R. (Harrison Co.) to confluence with Elm Cr. at river mile 691.0 at Decatur NE (=S18 T83N R46W Monona Co.).	River	20.8	navigation-related flow alteration (stabilization) and habitat alterations (channel training structures)
4c	IA 06-WEM-0040_2	Missouri River	from confluence with Elm Cr. (S18 T83N R46W Monona Co. at river mile 691.0 at Decatur NE.) to confluence with Omaha Creek Ditch east of Homer NE at river mile 715.8 (=SW 1/4 S6 T86N R47W Woodbury Co. (near Browns Lake)).	River	25	navigation-related flow alteration (stabilization) and habitat alterations (channel training structures)
4c	IA 06-WEM-0040_3	Missouri River	from confluence with Omaha Creek Ditch (SW 1/4 S6 T86N R47W Woodbury Co. at river mile 715.8 (near Browns Lake)) to confluence with Big Sioux R. at river mile 734.0 at Sioux City Woodbury Co.	River	17.6	navigation-related flow alteration (stabilization) and habitat alterations (channel training structures)
4c	IA 06-WEM-00420-L_0	Blencoe Lake	Monona County S31T82NR45W 5 mi. SW of Blencoe	Wetland	70	hydrological modifications: de-watering caused by channel degradation of Missouri River
4c	IA 06-WEM-00422-L_0	Upper Blencoe Bend	Monona County S7T82NR46W 4 mi. SW of Blencoe.	Wetland	94	hydrological modifications: de-watering caused by channel degradation of Missouri River
4c	IA 06-WEM-00450-L_0	Badger Lake	Monona County S29T85NR46W 4 mi. WNW of Whiting.	Wetland	380	hydrological modifications: de-watering caused by channel degradation of Missouri River

IR Category	ADB Code	Waterbody Name	Location Description	Waterbody Type	Size (miles; acres)	Cause
4c	IA 06-WEM-00452-L_0	Rabbit Island Lake	Monona County S28T85NR47W 10 mi. WNW of Whiting.	Wetland	30	hydrological modifications: de-watering caused by channel degradation of Missouri River

4c:	**27**
4c & 4d:	**1**
4c & 5a:	**1**
Total:	**29**