

2016 Integrated Report
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Watershed Management Program



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Glossary of terms that will be used on the following page(s):

Waterbody Description: The description/location of the listed stream/river segment, lake or reservoir.

Beneficial Use Impaired: One of six beneficial uses assigned to a waterbody based on water quality standards define by the state.

- 1) aquatic life
- 2) recreation
- 3) drinking water
- 4) fish consumption
- 5) agriculture use
- 6) industrial use

Beneficial Use Status:

Fully Supporting

but Threatened: If current trends continue these waterbodies may not meet their designated use

Not Supporting: The waterbody's designated uses have been assessed and are not being supported

Cause of Impairment: The reason the beneficial use is being impaired.

Nutrient/Eutrophication – Excess nutrients are causing an increase in the eutrophication (aging) of the lake/reservoir

Sedimentation/Siltation – Excess sediments are limiting the propagation of fish or other aquatic life

Fecal Coliform or Escherichia coli – bacteria found in fecal material that can be detrimental to human health

Benthic-Macroinvertebrate Assessments – Surveys indicate populations of macros are of poor health

Methylmercury – methylmercury levels in fish tissue have resulted in fish consumption advisories

Dissolved Oxygen – levels of dissolved oxygen do not support fish and other aquatic biota

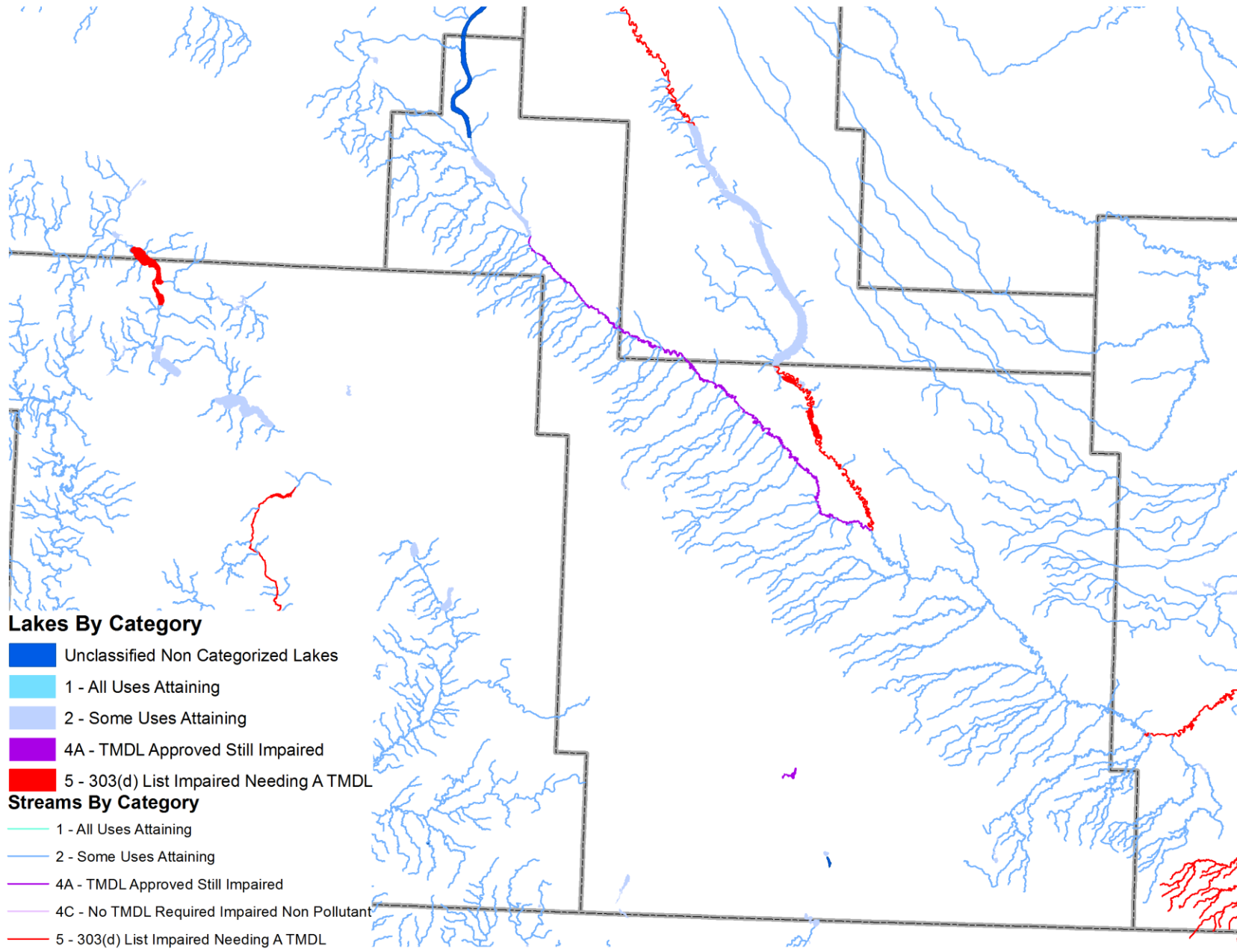
TMDL Priority:

L = Low – The Department will work with EPA to develop a method of prioritizing waterbodies and watersheds for TMDL development

H = High – TMDLs or alternative restoration approaches will be developed by 2022

Date TMDL Completed: If a Total Maximum Daily Load Report (TMDL) has been written for the listed waterbody, a date will appear after the heading.

2016 Integrated Report - Ward County



Lake Darling

Waterbody ID	Waterbody Type	Waterbody Description	Date TMDL Completed
ND-09010008-001-L_00	FRESHWATER RESERVOIR	Lake Darling is a large impoundment on the Souris River between the Canadian border and Minot, North Dakota. Created as a waterfowl refuge by the USFWS and named after the famed wildlife	
Size	Units	Beneficial Use Impaired	Beneficial Use Status
8698	ACRES	Recreation	Fully Supporting But Threatened
			Cause of Impairment
			Nutrient/Eutrophication Biological Indicators
			TMDL Priority
			L

Souris River

Waterbody ID	Waterbody Type	Waterbody Description	Date TMDL Completed
ND-09010008-003-S_00	RIVER	Souris River from Lake Darling downstream to its confluence with the Des Lacs River. Located in Northern Ward County.	
Size	Units	Beneficial Use Impaired	Beneficial Use Status
33.21	MILES	Fish and Other Aquatic Biota	Not Supporting
			Cause of Impairment
			Benthic-Macroinvertebrate Bioassessments
			TMDL Priority
			L

Rice Lake

Waterbody ID	Waterbody Type	Waterbody Description	Date TMDL Completed
ND-10110101-012-L_00	FRESHWATER LAKE	Rice Lake is a 185.5 acre glacial outwash lake in southern Ward County, North Dakota.	2/6/2004
Size	Units	Beneficial Use Impaired	Beneficial Use Status
185.5	ACRES	Recreation	Fully Supporting But Threatened
			Cause of Impairment
			Nutrient/Eutrophication Biological Indicators
			TMDL Priority
			L
ND-10110101-012-L_00	FRESHWATER LAKE	Rice Lake is a 185.5 acre glacial outwash lake in southern Ward County, North Dakota.	
Size	Units	Beneficial Use Impaired	Beneficial Use Status
185.5	ACRES	Fish and Other Aquatic Biota	Fully Supporting But Threatened
			Cause of Impairment
			Oxygen, Dissolved
			TMDL Priority
			H
ND-10110101-012-L_00	FRESHWATER LAKE	Rice Lake is a 185.5 acre glacial outwash lake in southern Ward County, North Dakota.	
Size	Units	Beneficial Use Impaired	Beneficial Use Status
185.5	ACRES	Fish and Other Aquatic Biota	Fully Supporting But Threatened
			Cause of Impairment
			Nutrient/Eutrophication Biological Indicators
			TMDL Priority
			L

Des Lacs River

Waterbody ID	Waterbody Type	Waterbody Description	Date TMDL Completed
ND-09010002-001-S_00	RIVER	Des Lacs River from lower Des Lacs Reservoir downstream to its confluence with the Souris River. Located in Ward and SW Renville counties.	9/22/2011

<u>Size</u>	<u>Units</u>	<u>Beneficial Use Impaired</u>	<u>Beneficial Use Status</u>	<u>Cause of Impairment</u>	<u>TMDL Priority</u>
81.33	MILES	Recreation	Fully Supporting But Threatened	Fecal Coliform	H