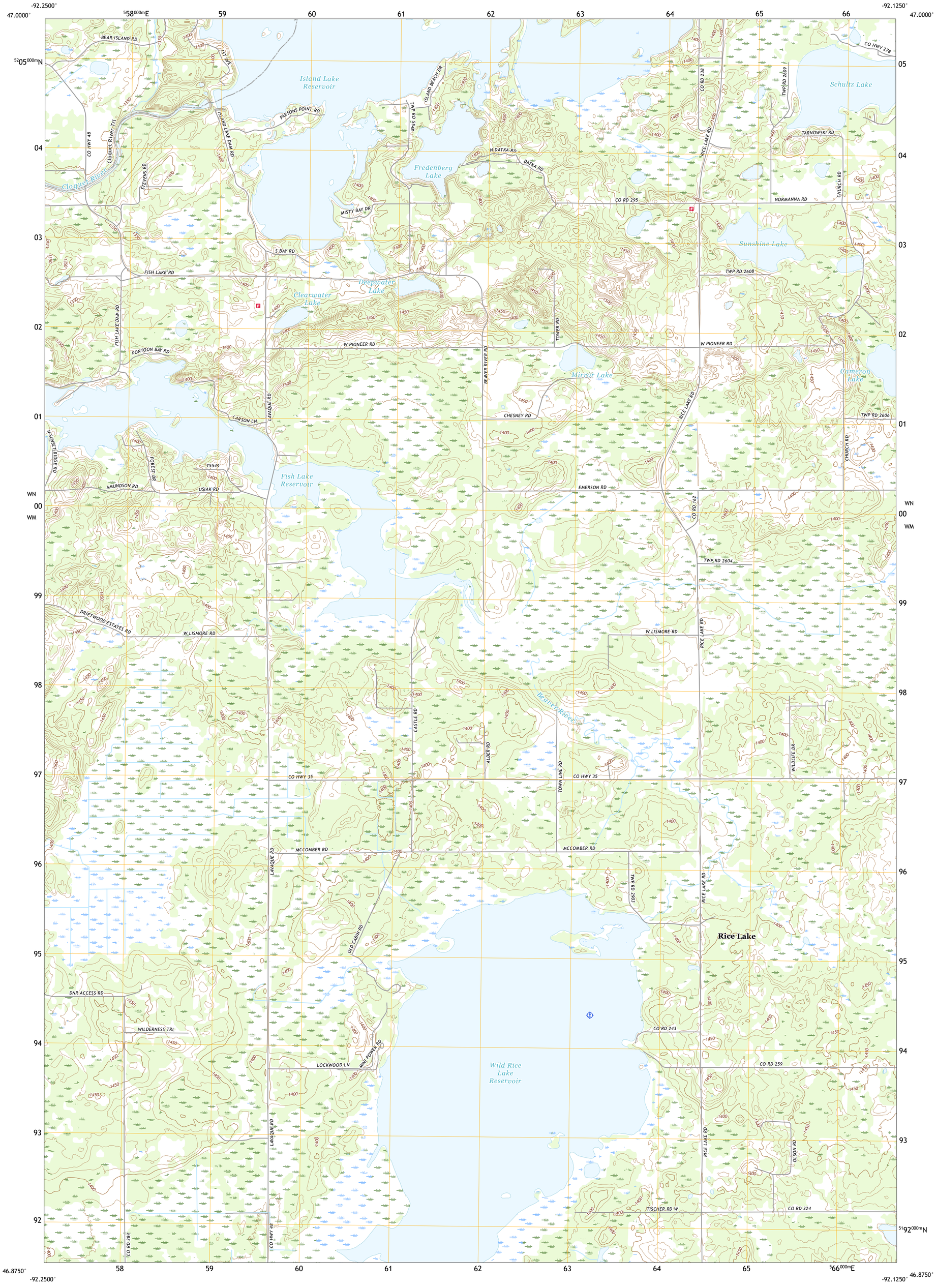
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map US Topo

FREDENBERG QUADRANGLE
MINNESOTA - SAINT LOUIS COUNTY
7.5-MINUTE SERIES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid:Universal Transverse Mercator, Zone 15T

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery	NAIP,	October 2017 - November 2017
Roads	U.S. Census Bureau,	2016
Names	GNIS,	1995 - 2021
Hydrography	National Hydrography Dataset,	2002 - 2018
Contours	National Elevation Dataset,	2016 - 2016
Boundaries	Multiple sources; see metadata file	2019 - 2021
Public Land Survey System	BLM,	2020
Wetlands	FWS National Wetlands Inventory	2011

MN
GN
0°55´ 16 MILS
0°36´ 11 MILS
UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000 - m Square ID
WN
WM
Grid Zone Designation 15T

SCALE 1:24 000
1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 1
MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard.

QUADRANGLE LOCATION

ADJOINING QUADRANGLES
1 Shaw
2 Boulder Lake Reservoir
3 Thompson Lake
4 Twig
5 Arnold
6 Adolph
7 Duluth Heights
8 Duluth

ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

FREDENBERG, MN
2022

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