



Metadata for the

Lake Superior Bathymetry

Developed by

Natural Resource Research Institute

These metadata were created using the [Minnesota Geographic Metadata Guidelines](#).

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Section 1 Identification Information

<i>Originator</i>	Natural Resource Research Institute
<i>Title</i>	Lake Superior Bathymetry
<i>Abstract</i>	The Lake Superior Bathymetry file is a grid file detailing the depth of Lake Superior.
<i>Purpose</i>	A base data layer
<i>Time Period of Content Date</i>	03/25/1998
<i>Currentness Reference</i>	Date of last change to the data file
<i>Progress</i>	Complete
<i>Maintenance and Update Frequency</i>	As needed

<i>Spatial Extent of Data</i>	Lake Superior
<i>Bounding Coordinates</i>	-97.293 -81.564 49.255 41.573
<i>Place Keywords</i>	Lake Superior
<i>Theme Keywords</i>	Lake Superior Drainage Basin, Lake Superior, depth, bathymetry
<i>Theme Keyword Thesaurus</i>	None
<i>Access Constraints</i>	None
<i>Use Constraints</i>	None
<i>Contact Person Information</i>	Gerald Sjerven, GIS Specialist Natural Resource Research Institute 513 Miller Trunk Highway Duluth, Minnesota 55811 Phone: (218)-720-4388 FAX: (218)-720-4219 E-mail: gsjerven@sage.nrri.umn.edu
<i>Browse Graphic File Name</i>	none available
<i>Browse Graphic File Description</i>	
<i>Associated Data Sets</i>	

Section 2 **Data Quality Information - - - - - [Go back to top](#)**

<i>Attribute Accuracy</i>	See entity and attribute overview, contact NRRI
<i>Logical Consistency</i>	There are no known topological problems
<i>Completeness</i>	There is no known incomplete information; see entity and attribute overview
<i>Horizontal</i>	None available

<i>Positional Accuracy</i>	
<i>Vertical Positional Accuracy</i>	Not applicable
<i>Lineage</i>	1 km grid surface generated from depth point values using inverse distance weighted interpolation with 12 nearest neighbors. The data was then mapjoined and adjusted to match the shoreline.
<i>Source Scale Denominator</i>	547160

Section 3 **Spatial Data Organization Information** - - - - - [Go back to top](#)

<i>Native Data Set Environment</i>	Arc/INFO 7.1.2
<i>Geographic Reference for Tabular Data</i>	None
<i>Spatial Object Type</i>	Vector
<i>Vendor Specific Object Types</i>	Arc, area, label point, polygon
<i>Tiling Scheme</i>	Not applicable

Section 4 **Spatial Reference Information** - - - - - [Go back to top](#)

<i>Horizontal Coordinate Scheme</i>	Geographic (Lat. Long.)
<i>Ellipsoid</i>	GRS80
<i>Horizontal Datum</i>	NAD83
<i>Horizontal Units</i>	Meters
<i>Distance Resolution</i>	
<i>Altitude Datum</i>	Not applicable
<i>Depth Datum</i>	IGLD
<i>Depth Units</i>	Meters

<i>Cell Width</i>	1000
<i>Cell Height</i>	1000
<i>Map Projection Name</i>	Albers Equal Area
<i>Map Projection Parameters</i>	Standard Parallel: 29.5 Standard Parallel: 45.5 Longitude Of Central Meridian: -96 Latitude Of Projection Origin: 23 False Easting: 0 False Northing: 0
<i>Other Coordinate System's Definition</i>	Planar Coordinate Encoding Method: Coordinate Pair Abscissa Resolution: 1 Ordinate Resolution: 1 Semi-Major Axis: 6378206.4 Denominator of Flattening Ratio: 294.98

Section 5 Entity and Attribute Information - - - - - [Go back to top](#)

<i>Entity and Attribute Overview</i>	Due to data source type (grid), there are no entities or attributes for this file except the depth.
<i>Entity and Attribute Detailed Citation</i>	None

Section 6 Distribution Information - - - - - [Go back to top](#)

<i>Publisher</i>	Natural Resources Research Institute
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<i>Distributor's Data Set Identifier</i>	
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*Transfer
Format Name* Arc/INFO export

*Transfer
Format Version
Number*

Transfer Size

*Ordering
Instructions*

Online Linkage [Click here](#) to download data. (See Ordering Instructions above for details.) By clicking here, you agree to the notice in "Distribution Liability" above.

Section 7 Metadata Reference Information - - - - - [Go back to top](#)

Metadata Date 08/25/1999

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*Metadata
Standard Name* Minnesota Geographic Metadata Guidelines

*Metadata
Standard
Version* 2.01

*Metadata
Standard
Online Linkage* <http://www.lmic.state.mn.us/gc/stds/metadata.htm>

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