

Minnesota Department of Natural Resources
Full GIS Metadata Record for: **Exploration and Engineering Boring Hole Locations**
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SECTION 1: Identification Information

Originator: Minnesota DNR - Division of Lands and Minerals

Title: Exploration and Engineering Boring Hole Locations

Metadata Product ID: 39000443

Abstract: The location data for drill cores stored at the DNR Lands and Minerals facility in Hibbing were taken from the accompanying mineral exploration assessment files.

Purpose: null

Usage Tips: The locational data presented in this ArcView shapefile are in DRAFT form.

The location data for drill cores stored at the DNR Lands and Minerals facility in Hibbing were taken from the accompanying mineral exploration assessment files. Since the maps in the files have many different scales, the locations have varying degrees of accuracy. The more accurate data is derived directly from topographic maps or, since the mid '90s, from Global Positioning System (GPS) instruments. The least accurate data is derived from a computer conversion of a written Public Land Survey (PLS) description resolved to a section, forty, or 10 acre parcel (see note #9 below). Between these extremes are county highway maps at half inch = 1 mile, plat sketches, and so on.

Time Period of Content: null

Currentness Reference: null

Progress: In Progress

Maintenance Frequency: As Needed

Spatial Extent of Data: Statewide

Bounding Coordinates: E = -89
W = -97.5
N = 49.5
S = 43

Place Keywords: Minnesota

Theme Keywords: geoscientificInformation

Theme Keyword None
Thesaurus:
Access Constraints: null
Use Constraints: null
Data Use Contact: Contact Information
Sample Graphic: Data Sample

SECTION 2: Data Quality Information

Attribute Accuracy: Not specifically assessed.
Logical Consistency: Not Applicable
Completeness: null
Horizontal Positional Accuracy: Since the maps in the files have many different scales, the locations have varying degrees of accuracy. The "how" field describes the method or document used to determine the UTM coordinates.
Vertical Positional Accuracy: Not Applicable
Lineage: Attribute Lineage:
Not specifically assessed.
Cartographic Lineage:
No Information Available.
Source Scale Denominator: Not Applicable

SECTION 3: Spatial Data Organization Information

Native Data Set Environment: ESRI Shapefile
Geographic Reference for Tabular Data: Drill Hole Locations
Tiling Scheme: state
Spatial Object Type: point
Vendor Specific Object Types: point

SECTION 4: Spatial Reference Information

Horizontal Coordinate Scheme: UTM
Ellipsoid: GRS1980
Horizontal Datum: NAD83
Horizontal Units: meters
Altitude Datum: Not Applicable
Altitude Units: Not Applicable

<i>Depth Datum:</i>	Not Applicable
<i>Depth Units:</i>	Not Applicable
<i>Cell Width:</i>	0
<i>Cell Height:</i>	0
<i>Latitude Resolution:</i>	0
<i>Longitude Resolution:</i>	0
<i>UTM Zone Number:</i>	15
<i>SPCS Zone Identifier:</i>	null
<i>County Coordinate Zone Identifier:</i>	null
<i>Coordinate Offsets or Adjustments:</i>	Not Applicable
<i>Map Projection Name:</i>	Transverse Mercator
<i>Map Projection Parameters:</i>	Not Applicable
<i>Other Coordinate System Definition:</i>	Not Applicable

SECTION 5: Entity and Attribute Information

<i>Entity and Attribute Overview:</i>	The "how" field describes the method or document used to determine the UTM coordinates. The "accuracy" field is an estimate, in meters, of the positional error based on the method or document used to determine the position. Put another way, the borehole is located somewhere within an X meter radius of the UTM coordinates listed. This distance estimate varies from 5 to 805 meters. The codes listed in the "how" field translate as follows: 1. UTM coordinates recorded on the exploration company drill log. 2. Obtained from Natural Resources Research Institute (NRRI) staff. 3. Scaled from section corner on drill hole location map provided by the exploration company. 4. Plotted on a digital aerial photograph using drill hole location map provided by the exploration company. 5. Plotted on section forty using grid location map from files; source scale varies. 6. UTM coordinates scaled from 1:24000 scale map provided by the exploration company. 7. Plotted on digital aerial photograph from data furnished by MDOT.
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<i>Entity and Attribute Citation:</i>	
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<i>Attribute Tables:</i>	<u>Data Table</u>
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SECTION 6: Distribution Information

<i>Publisher:</i>	DNR Lands and Minerals
<i>Publication Date:</i>	3/1/2004
<i>Distribution Contact</i>	<u>Contact Information</u>
<i>Distributor Data Set Identifier:</i>	geol_ddhpt2
<i>Distribution Liability:</i>	DO NOT DISTRIBUTE OUTSIDE THE DNR
<i>Transfer Format Name:</i>	null
<i>Transfer Format Version:</i>	null

Ordering Instructions: DO NOT DISTRIBUTE OUTSIDE THE DNR
Online Linkage: None

SECTION 7: Metadata Reference Information

Metadata Content
Contact: Contact Information

Metadata Standard
Name: Minnesota Geographic Metadata Guidelines

Metadata Standard
Date: 4/4/2001

Metadata Standard
Version: 1.2

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