

MNDNR Tier One Metadata Record

Ctrasp.shp and Vtransp.shp

Field	Description
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Main ID Information

<i>Title</i>	Transportation information for the Mesabi Range Stockpile Inventory project
<i>Filename</i>	Ctrasp and Vtransp
<i>Abstract</i>	This layer summarizes transportation routes within two study areas: one near Virginia and one near Calumet. This dataset highlights mining roads and abandoned railroads. The purpose of this dataset is to provide a general view of the roads and road condition for the purposes of stockpile mining. The classification scheme was created by Minnesota Department of Natural Resources, Division of Lands and Minerals, and is NOT the same as road classifications of the Minnesota Department of Transportation. To gain access to these roads, surface owners must be notified.
<i>Place Keywords</i>	Stockpile, Mesabi Iron Range, Virginia, Calumet, Minnesota
<i>Theme Keywords</i>	Mining roads, transportation, stockpile Inventory, Mesabi Iron Range Water and Mineral Resource Planning.
<i>Time Period of Content</i>	Field work was complete in the summer of 2000. Data capture was completed spring 2001.
<i>Parent Theme</i>	N/A
<i>Spatial Extent of the Data</i>	Part of St. Louis County, in the area around the town of Virginia and part of Itasca county, in the area around the town of Calumet.
<i>Contact Person</i>	Heather Anderson
<i>Contact Person Organization/Division</i>	Department of Natural Resources, Division of Lands and Minerals
<i>Contact Person Position</i>	Industrial Minerals Geologist
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Additional ID Information

<i>Originator</i>	Department of Natural Resources, Division of Lands and Minerals, Mineral Potential Section
<i>Purpose</i>	To capture routes of transportation for the purposes of gaining access to stockpiles
<i>Progress</i>	Complete

<i>Currentness Reference</i>	All data was gathered in the fall of 1999 and the summer of 2000 and compiled in the winter of 2000-2001.
<i>Maintenance Frequency</i>	None Planned
<i>Access Constraints</i>	N/A
<i>Use Constraints</i>	N/A
<i>Associated Data Sets</i>	ArcView shapefiles: Cstyarea, Vstyarea, Cvegcv, Vvegcv, Cstkpil, and Vstkpil

Data Quality

<i>Attribute Accuracy</i>	The units were identified in the field and were delineated using 1998 Mesabi Range Elevation Project. This was a reconnaissance scale study and was mapped at 1:30,000.
<i>Logical Consistency</i>	N/A
<i>Completeness</i>	Transportation routes were captured noting the type of transportation, condition, and if it is railroad grade. Limiting factors such as berms and washouts were not included in this mapping layer. This information was gathered by observations made in the field and aerial photograph interpretations. Generalizations were made, this is a reconnaissance scale study (1:30,000)
<i>Horizontal Positional Accuracy</i>	1:30000
<i>Vertical Positional Accuracy</i>	N/A
<i>Lineage</i>	The first step to identifying the roads was to distinguish the roads as a mining road, unpaved road, and paved road. Mining roads were further described based on road condition and if it is a railroad grade.
<i>Source Scale Denominator</i>	1000

Spatial Reference

<i>Horizontal Coordinate Scheme</i>	UTM
<i>Ellipsoid</i>	GRS80
<i>Horizontal Datum</i>	NAD83
<i>Horizontal Units</i>	Meters
<i>Distance Resolution</i>	N/A
<i>Altitude Datum</i>	N/A
<i>Altitude Units</i>	N/A
<i>Depth Datum</i>	N/A
<i>Depth Units</i>	N/A

<i>UTM Zone Number</i>	15
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Spatial Data Organization

<i>Geographic Reference for Tabular Data</i>	The units are referenced as mining roads.
<i>Native Dataset Environment</i>	ArcView 3.1/ArcInfo 8.0.2
<i>Vendor Specific Object Type</i>	N/A
<i>Tiling Scheme</i>	Study Area
<i>Spatial Object Type</i>	Vector-polygon
<i>Transfer Size</i>	146 kb (total for both study areas)

Entities -- Attributes

<i>Entity-Attribute Overview</i>	
<i>Entity-Attribute Detailed Citation</i>	See table below.

Table Name	Field Name	Begin Column	Definition	Valid Values	Descriptions
Ctransp.dbf and Vtransp.dbf					Attribute table for Ctransp and Vtransp shapefiles.
	Feature		text, 16		Distinguishes between different categories of transportation
				"Mining Road"	Mining roads are private, unpaved roads that were used in the course of mining and are currently a roads. Some mining roads were once used for rail; but has since been converted to a road.
				"Unpaved Road"	Private and public roads that are unpaved.
				"Paved Road"	Private and public roads that are paved.

				“Old Railroad”	Railroad grades that still had track remnants.
	Condition		text, 16		Describes the condition of mining roads
				“Good to Moderate”	Range of road conditions that indicate a road needs little to some modifications to make it suitable for hauling aggregate. Modifications include grading and widening.
				“Moderate to Poor”	Range of road conditions that indicate that a road needs some to many modifications to make it suitable for hauling aggregate. Modifications include grading, widening, and repairing washouts.
	RR_Grade		text, 16		Railroad grade.
				“Yes”	This indicates that the current feature was once a railroad.
				“No”	This indicates that the current feature is not graded for rail.
	Roadtype		text, 70		Combination of the three preceding fields in one, used for mapping purposes.