Overview Map for Kennecott Exploration Plan, page 1
DNR Submittal Plan Date: 7/3/2014

Purpose: The locations of proposed exploration activities by state mineral lessees are shown in a standard format and legend. Map by DNR, Lands and Minerals Division, July 2014.

Date Proposal Submitted to DNR: July 3, 2014
Lesse: Kennecott Exploration Company
Lesse Contact Person: John Storie: (218) 768-3292 or john.storie@riotinto.com
State Mineral Lease Numbers: MM-9765-P, MM-9766-P, MM-10007-N
Location on Public Land Survey: T48N-R22W Sections 3 and 10 and T49N-R22W Section 27, Aitkin County
Types of Activity: Exploratory boring, down-hole geophysics and ground geophysical surveys
New Access Trail Location: Yes, see map.
Narrative: The explorer has proposed to drill approximately 10 to 25 exploratory borings. The explorer has also proposed to conduct geophysical surveys in the bore holes and on the ground. The explorer has agreements or leases for the surface and mineral ownership on the parcels involved.

Map Symbols

Proposed Drilling Areas: Borings, down-hole geophysics, & ground geophysics
Proposed access trails, which in wet areas will have mats made of composite materials to minimize the creation of ruts.

State Leases for Nonferrous Metallic Minerals

Active Lease for this Exploration Plan: Kennecott Exploration Co., Labeled by Mineral Lease (e.g. MM-9765-P)
Other Active Leases

Exclusionary Features at this map extent

The beds of lakes in the DNR's Public Waters Inventory
The beds of major or significant rivers in DNR's Public Waters Inventory

Special Features at this map extent

Wildlife Management Area (WMA)

Natural Heritage Features and Historic or Archaeologic Sites are not shown because they are non-public data.

Other symbols

Township and Range Boundaries
Section Boundaries
State Highway - County Roads - Other Roads (Township, Muni, Forest)
Political Township Boundaries
Municipal Boundaries

Scale 1:63,360
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Proposed Exploration Activities on State Leases

- Proposed Drilling Areas: Borings, down-hole geophysics, & ground geophysics
- Proposed access trails, which in wet areas will have mats made of composite materials to minimize the creation of ruts.
- Permit Boundary: USACE (U.S. Army Corps of Engineers) permits to Kennecott

State Leases for Nonferrous Metallic Minerals

- Active Lease for this Exploration Plan: Kennecott Exploration Co. - Labeled by Mineral Lease# (e.g. MM-9765-P)
- Other Active Leases - Labeled by Mineral Lease# (e.g. MM-10003-N)

Basemap: 2011 DNR 50cm True color Air Photo. See page 1 legend for other map symbol descriptions shown here (roads, political bounds, etc.).

Kennecott has obtained two U.S. Army Corps of Engineers (USACE) permits that allows the placement of wetland mats within the yellow boundary on this map.

Proposed access trails, which in wet areas will have mats made of composite materials to minimize the creation of ruts.

Disclaimer for Maps and Data:

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