



Map for Kennecott Exploration Company's Exploration Plan
Date Submitted to DNR: 03/05/2015

Map Symbols

Proposed Exploration Activities on State Leases

Proposed Exploration Areas: Ground-based gravity survey. The gravity survey is a non-invasive measurement using a sensor of the size of a large coffee pot. It is placed on the ground at regular intervals (100m-200m) for a few minutes to passively measure the earth's gravity field. In addition to the gravity measurement, a high accuracy survey grade GPS (Global Positioning System) measurement is taken at every gravity station.

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

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

Other symbols

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

0 0.475 0.95 1.9 Miles Scale 1:63,360



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, March 2015.

Date Proposal Submitted to DNR: March 5, 2015

Lessee: Kennecott Exploration Company

Lessee Contact Person: John Storie: (218) 768-3292 or john.storie@riotinto.com

State Mineral Lease Numbers: MM-9765-P, MM-9849-N, MM-10002-N, MM-10003-N, MM-10007-N, MM-10008-N, MM-10009-N, MM-10010-N, MM-10203-N, MM-10315, MM-10346, MM-10349

Location on Public Land Survey: T48N-R22W Sections 1, 2, 3, and 4; T49N-R22W Sections 25, 26, 27, 28, 33, 34, 35, and 36, Aitkin County.

Types of Activity: Ground gravity survey

Time period for activity: March to April 2015.

New Access Trail Location: Existing trails

Narrative: The explorer has proposed to complete a ground based gravity (geophysical) survey. The gravity survey is a non-invasive measurement using a sensor of the size of a large coffee pot. It is placed on the ground at regular intervals (100m-200m) for a few minutes to passively measure the earth's gravity field. In addition to the gravity measurement, a high accuracy survey grade GPS (Global Positioning System) measurement is taken at every gravity station. The explorer has agreements or leases for the surface and mineral ownership on the parcels involved.