



Minerals Exploration Plan on State Nonferrous Metallic Minerals Leases

AngloGold Ashanti Minnesota
Exploration Plan Submitted on 05/19/2017

DNR Summary Report and Associated Map

An exploration plan was submitted by AngloGold Ashanti Minnesota (AGAM) on May 19, 2017 and summarized here by the DNR on May 26, 2017. The locations of proposed exploration activities by this state nonferrous metallic minerals lessee are shown in a standard format and legend. This report and associated maps were created by the Minnesota DNR, Division of Lands and Minerals.

This report and associated maps are posted on the DNR's exploration plan website at:
http://www.dnr.state.mn.us/lands_minerals/metallic_nf/regulations.html

[This summary report and associated maps should be distributed as a complete document due to the relative nature of the content.](#)

Minerals Exploration Plan on State Nonferrous Metallic Mineral Leases

AngloGold Ashanti Minnesota Exploration Plan Summarized by the Minnesota DNR on May 26, 2017

Narrative: AngloGold Ashanti Minnesota is conducting exploration activities to search for metallic mineral deposits, such as gold, in the bedrock on its existing 33 state mineral leases in Koochiching County (see location map). It submitted an Exploration Plan to the DNR for review on May 19, 2017.

State Minerals Lease Numbers: MLMB-200004 to MLMB-200036 (33 leases seen on following map)

Public Land Survey Location: Township 63, Range 22, Sections 1-4, 7, 9-36

Types of exploration activity: The Explorer will perform such activities as geological mapping, which involves visual examination of bedrock outcrops, collection of samples of bedrock outcrops and/or glacial sediments, and geophysical surveys. The explorer will use hand tools such as a hammer and chisel, hand shovels, hand augers, or portable hand-held power tools such as a posthole digger to collect samples. The Explorer will conduct ground-based geophysical surveys, including gravity, magnetics, electromagnetics, and seismic methods. These methods use portable sensors to measure properties of the Earth such as gravity.

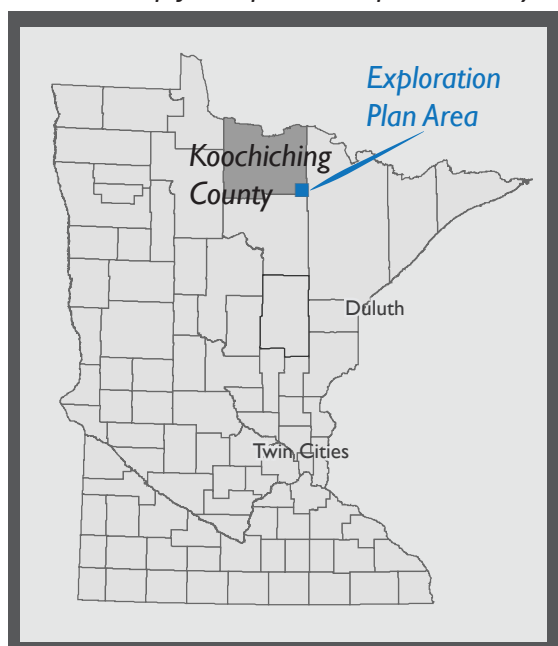
Expected time period of activity: June 14, 2017 with approval of exploration plan through May 31, 2018

Plans to access exploration sites: The Explorer will use existing roads and trails either by foot, automobile, or ATV.

Surface Ownership: Upon DNR approval the Explorer has the right to work on state-owned surface, which covers most of these state mineral leases. There are private surface owners over some of the leased state mineral parcels. The Explorer states they will not conduct exploration activities on private land without prior agreement with the landowner. The Explorer will also consult with the Koochiching County Land Department prior to working on county-administered surface parcels.

Explorer contact: Paul J. Bartos, AngloGold Ashanti Minnesota, (303) 889-1408 or PBartos@AngloGoldAshantiNA.com

Locator map for exploration plan activity



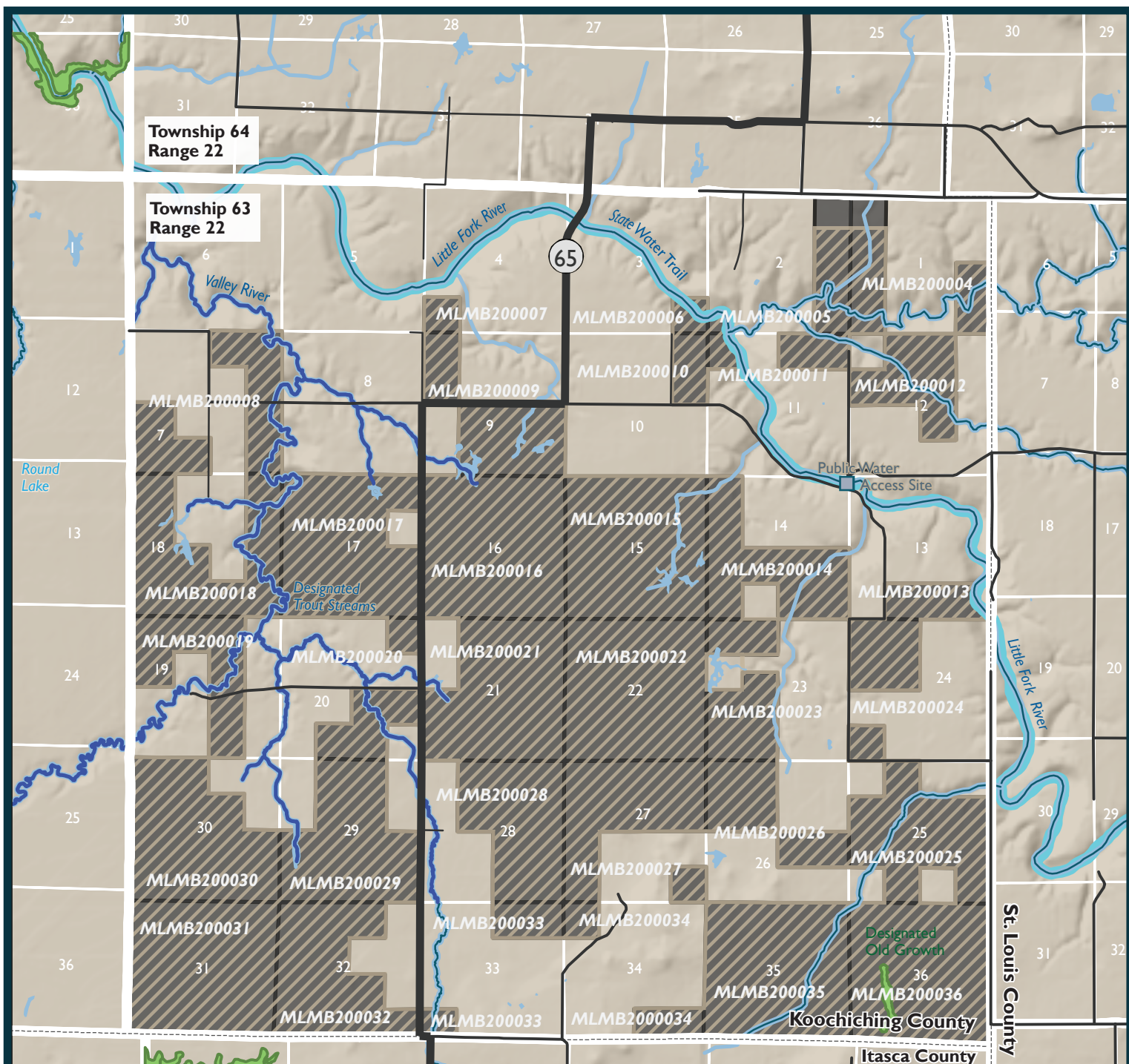
Exploration Plan Area

This small scale map displays the general location of the exploration plan relative to other cities in northern Minnesota. The following two maps provide more details on the proposed exploration area.

See page3 for detailed map.

Maps and Data Disclaimer

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AngloGold Ashanti Minnesota is conducting exploration activities to search for metallic mineral deposits, such as gold, in the bedrock on its existing 33 state mineral leases in Koochiching County. It submitted an Exploration Plan to the DNR for review on May 19, 2017.

Exploration activities: The Explorer will perform such activities as geological mapping, which involves visual examination of bedrock outcrops, collection of samples of bedrock outcrops and/or glacial sediments, and geophysical surveys. The Explorer will use hand tools such as a hammer and chisel, hand shovels, hand augers, or portable hand-held power tools such as a posthole digger to collect samples. The Explorer will conduct ground-based geophysical surveys, including gravity, magnetics, electromagnetics, and seismic methods. These methods use portable sensors to measure properties of the Earth such as gravity.

Plans to access exploration sites: The Explorer will gain access to the lands via existing trails and roads and will also walk in where needed. No new access trails will be built by the Explorer. No trees will be cut for this work.

Surface Ownership: Upon DNR approval the Explorer has the right to work on state-owned surface, which covers most of these state mineral leases. There are private surface owners over some of the leased state mineral parcels. The Explorer states they will not conduct exploration activities on private land without prior agreement with the landowner. The Explorer will also consult with the Koochiching County Land Department prior to working on county-administered surface parcels.

DNR Summary Overview Map of Exploration Plan Submitted by AngloGold Ashanti Minnesota

- Proposed areas of exploration activities on *Active State Leases
- *Active state nonferrous metallic minerals leases
Lease identification numbers labeled on the map (ex. MLMB200008).
- The beds of significant rivers and water bodies in DNR's Public Waters Inventory (PWI) are excluded from exploration activity.
- Designated Trout Streams are Special Features.
- The Little Fork River is a PWI and State Water Trail which is a Special Feature.
- Designated Old Growth Stands
- Public Water Access Sites are Special Features.

Other Special Features including Natural Heritage Features and Historic & Archaeologic Sites are not shown because they are non-public data. *Lease boundaries are for reference only. The state of Minnesota's land and mineral interests GIS data is mapped at the 40 acre level of resolution. Lease MLMB200023 has been modified for this map only to better represent the actual lease boundary.

Scale 1:63,360 0 0.5 1 2 Miles