

## Minerals Exploration Plan on State Nonferrous Metallic Minerals Leases

Submitted by AngloGold Ashanti Minnesota on October 18, 2017 and summarized here by the DNR Division of Lands and Minerals

**Narrative:** AngloGold Ashanti Minnesota (AGAM) submitted a project plan to explore for metallic mineral deposits by drilling this winter when the ground is frozen. The project area is located about 7 miles southeast of Bigfork in northern Itasca County and covers about 4 square miles (Figure 1). AGAM will use the rotosonic drilling method to drill exploratory borings at 10 locations. Rotosonic drilling uses high frequency vibration of the drill bit to advance and collect cores of soils, glacial sediments, and a short length of the underlying bedrock. The borings will end shortly after the top of bedrock is encountered. No drilling fluids are circulated during drilling, so sumps are unnecessary. AGAM plans to permanently seal each boring immediately after drilling is complete.

**State nonferrous metallic mineral lease ids**: Drilling is proposed on four leases: MLMB200202, MLMB200203, MLMB200206, and MLMB200207.

Public Land Survey location: Sections 19, 20, 29, and 30 of T60N-R25W.

**Types of exploration activity:** Exploratory borings (rotosonic drilling).

**Expected time period of activity:** When the ground is sufficiently frozen, approximately from December 2017 through March 2018.

**Access:** AGAM will open and use existing logging trails to get to the drill sites. Brushing will be done with a boom-mounted mulcher. AGAM is not proposing new trails.

**Surface ownership:** Private parties own the surface estate over portions of the state mineral leases listed above. None of the proposed exploration activities on those leases, including drilling and the access trails, would occur on private lands. Pending DNR approval, which may include stipulations, AGAM will have the right to explore as described in the exploration plan on state-owned surface lands. AGAM plans to coordinate with Itasca County when using tax-forfeited lands.

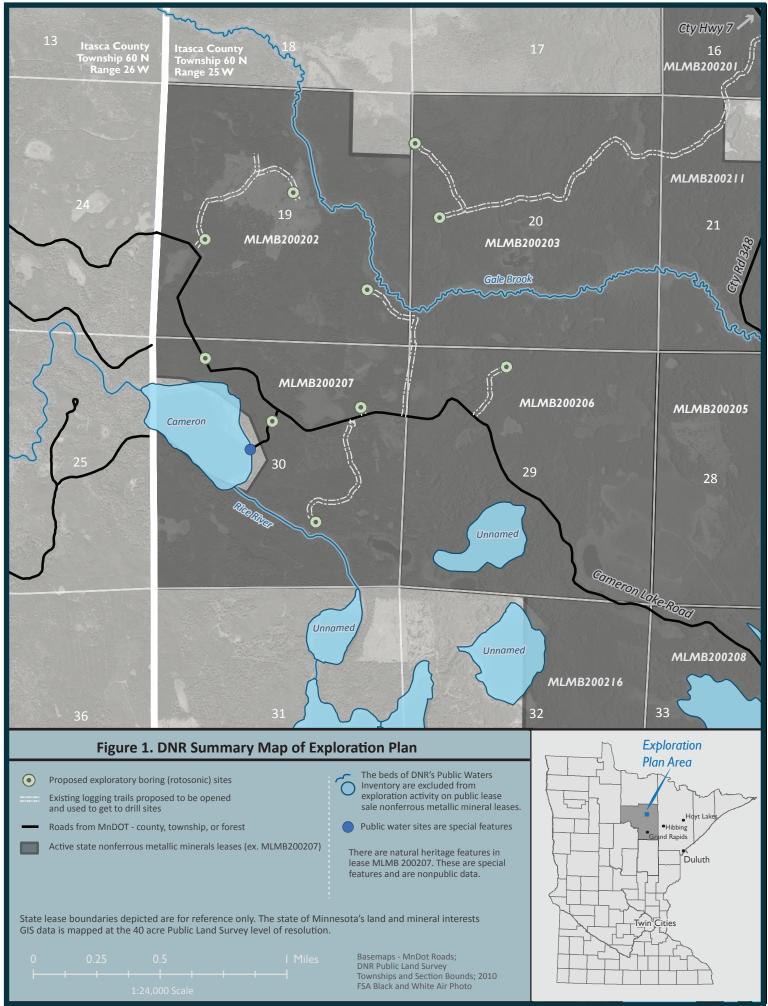
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This report is posted on the **DNR's exploration plan webpage**.

DNR Summary Report for AngloGold Ashanti Minnesota, Exploration Plan Submitted on October 18, 2017 and Published by DNR's Lands and Minerals Division on October 25, 2017

## **Maps and Data Disclaimer**

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AngloGold Ashanti Minnesota Inc., Exploration Plan 10/18/2017

Figure 1 by DNR - Lands and Minerals Division 10/25/2017