

Minerals Exploration Plan on State Nonferrous Metallic Minerals Leases

Submitted by AngloGold Ashanti Minnesota on October 31, 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. AGAM plans to drill exploratory borings at 28 sites in an area that covers less than a township. The exploration area is about 8 miles west of Togo, Minnesota and south of State Highway 1 in northern Itasca County (Figure 1). AGAM will use rotosonic drilling to drill exploratory borings at 28 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 12 leases: MLMB200110, MLMB200111, MLMB200119, MLMB200120, MLMB200151, MLMB200152, MLMB200158 through MLMB200162, and MLMB200172.

Public Land Survey location: Sections 19, 20, 28, and 29 of T61N R23W, and Sections 12, 14, 22-26, and 36 of T61N R24W.

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: 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 will coordinate with the Itasca County Land Department as well as any other affected private landowners for access to taxforfeited and private lands.

Explorer contact: Jonathan Gorman, (303) 889-1461 or jgorman@anglogoldashanti.com

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This report is posted on the <u>DNR's exploration plan webpage</u>.

Maps and Data Disclaimer

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