

Release of exploration data from sampling of public historic drill core by AngloGold Ashanti Minnesota Inc.

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Exploration Data Set #002, Sampling of public historic drill core

DNR Contact: Stacy Saari, Mineral Potential Geologist (stacy.saari@state.mn.us)

Background

In 2016 and 2017, AngloGold Ashanti Minnesota Inc. (AGAM) examined and sampled public drill core that was archived at the DNR's Drill Core Library in Hibbing. AGAM sampled once in 2016 and once in 2017. This work supported the company's exploration program for developable gold deposits in north central Minnesota.

In 2016, AGAM sampled unconsolidated drill core from 15 borings and in 2017, sampled bedrock core from nine borings. Most of the sampled core came from borings drilled on lands leased by AGAM or where, in 2017, AGAM was declared the high bidder for State metallic minerals leases that granted AGAM the right to explore on large blocks of state-managed mineral rights in north central Minnesota. All of the data and results was submitted to DNR in digital formats. Data from these sampling events is now public. [See the disclaimer at the end of this document.]

Geographic coverage

The information included in this release covers lands in parts of northeastern Itasca County, southeastern Koochiching County, and west central St. Louis County.

Scope of information

2016 sampling: Information submitted to DNR includes data from sampling selected intervals of archived unconsolidated (rotasonic) core from 15 borings. Data includes multi-element geochemistry of 65 samples.

2017 sampling: Information submitted to DNR includes data from sampling selected intervals of archived bedrock core from nine borings. Data includes multi-element geochemistry of 78 samples and petrographic descriptions, including thin sections, from five samples.

Samples delivered to DNR include thin sections, coarse rejects, and pulps.

Summary of digital information in this release (available for download)

1. Reports
 - a. None
2. Geophysics
 - a. None
3. Geochemistry
 - a. 2016 sampling (Sonic core, unconsolidated)
 - i. Spreadsheet with compiled data (.xlsx file). Assays with Sample ID correlated to boring ID and depth
 - ii. Certificate of Analysis from ALS (.pdf, 4 files) and spreadsheets (.xls, 2 files)
 - b. 2017 sampling (bedrock core)
 - i. Spreadsheet with compiled data (.csv file). Assays with Sample ID correlated to boring ID and depth
 - ii. Certificate of Analysis from ALS (.csv and .pdf, 2 files)
4. General Geology and Mineralogy
 - a. Petrographic results of samples from historic borings and thin sections by J. R. Shannon (.pdf, .docs, 6 files)
5. Borings
 - a. None

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