

BETTY (#80)

Minfile #105M 001g

1. LOCATION AND ACCESS

Access to the site is from the Elsa village, along Calumet Road, crossing over porcupine gulch and taking a left turn onto the No Cash 100 Road. Old trailheads extend northeast from the No Cash mine towards the Betty mine site. The site has a latitude of 63°55'27"N and a longitude of 135°25'23"W. The UTM co ordinates are 7 088 632m N and 479 251m E.

2. SITE PHYSIOGRAPHY

The Betty mine site is located on the upper northwest slope of Galena Hill at an elevation of approximately 1200 metres above sea level. The claim is located just east of Sandy Creek, which flows towards the wetlands northeast of the Elsa tailings.

Vegetation in the area consists of stunted black spruce, willows, and alder with a floor covering of mosses, indicative of a permafrost environment.

3. GEOLOGY AND MINERALIZATION

The narrow vein is hosted in greenstone. The vein material contains galena, sphalerite, arsenopyrite, pyrrhotite, cerussite and limonite. The vein strikes approximately 58 degrees east and dips to the southeast; it likely represents the northeast extension of the No Cash vein. Surrounding the vein the minerals considered of little value are quartz and calcite. Sphalerite is dominant in the trench floor.

4. SITE HISTORY

The Betty mine site was in operation in the 1920's and 1930's. The trench and shafts were hand shoveled, indicating that heavy equipment was not used. Very little information is available on the history of Betty mine site.

5. MINE DEVELOPMENT

5.1 Mine Openings and Excavations

Portals

There were no portals associated with this site.

Open Pits

There are no open pits associated with this site.

Trenches

There is one trench that extends approximately 200 metres to the southwest. The start of the trench is southwest from the collapsed pole structure. Greenstone rubble is present surrounding the trench.

Shaft

Three shafts are present on the Betty mine site, however only one of these shafts was located during the site visit. It was an unlined shaft, approximately 2 metres deep that contained quartzite boulders, located to the southeast of the collapsed pole structure. The other two shafts were not located due to overgrown brush. No dump material was visible at the location.

5.2 Waste Rock Disposal Areas

No waste rock disposal material was visible.

5.3 Tailings Impoundments

No tailings were observed at the site.

5.4 Tailings Ponds

No tailings ponds were observed at the site.

5.5 Mine Site Water Treatment

Water at this site is not being treated.

6. MINE SITE INFRASTRUCTURE

6.1 Buildings

Two buildings were observed on the Betty mine site, including a storage shed and a caved in cabin. A collapsed pole structure and wood debris were also present.

The caved in cabin was of log construction and located to the southwest of the ridge.

The storage shed was also of log construction, located southwest of the ridge and to the north of the cabin. The wood debris is located to the northwest of the shed.

No hazardous substances were identified with the buildings, either in storage or in the construction of the buildings.

6.2 Fuel Storage

There is no fuel stored on site.

6.3 Rail and Trestle

There is no rail or trestle debris located at the site.

6.4 Milling and Processing Infrastructure

There was no milling or processing structures observed at the site.

6.5 Electrical Equipment

There are no services to the site.

7. SOLID WASTE DUMPS**

There is one small garbage dump located to the west of the buildings. It was noted to contain household refuse.

8. POTENTIAL CONTAMINANTS OF CONCERN

8.1 Out-of-Service Transformers

No transformers were observed at the site.

8.2 Metals and Hydrocarbons in Soil

There was no visual evidence of staining on surrounding soils that would indicate potential hydrocarbon contamination at the site.

8.3 Liquid Hazardous Materials

No hazardous materials were noted in the site visit.

8.4 Solid Hazardous Materials

No hazardous materials were noted in the site visit.

9. WATER QUALITY

There were no water quality samples taken at the site. The upper portion of Sandy Creek does pass through to the east of the site. No seepage areas were noted.

10. RECLAMATION

The site does not appear to be greatly disturbed by the historical mining activities. The area has revegetated with native vegetation that consist mostly of low shrub and lichens. This appears to be natural attenuation and no visible reclamation measures that have been carried out by past site operators.

11. OTHER SOURCES OF INFORMATION AND DATA

No other sources of information and data were identified.

12. REFERENCES AND PERSONAL COMMUNICATIONS

United Keno Hill Mines Limited. 1996. *United Keno Hill Mines Limited – Site Characterization*. Report No. UKH/96/01, prepared by Access Mining Consultants Limited.

United Keno Hill Mines Limited. 1996. *United Keno Hill Mines Limited – Site Characterization, Technical Appendices I-VI*. Report No. UKH/96/01, prepared by Access Mining Consultants Limited.