MONUMENT (& LADUE FRACTION)
SITE #47
MINFILE# 105M 007

1. LOCATION AND ACCESS

The site is located on Keno Hill, on the northwest-facing slope of Monument Hill summit, at an elevation of 5600ft. Access is by the Silver Basin Gulch trail suitable for 4X4 vehicle traffic and the site is located roughly 1.5km past the Signpost. The approximate UTM co-ordinates are 7 090 900m N and 490 900m E (Latitude: 63° 56'47" N and Longitude: 135° 10'35" W).

2. SITE PHYSIOGRAPHY

The site is located in a broad and gently sloped northwest face of Monument Hill. Given the elevation and aspect, the site is presumably underlain by continuous permafrost conditions. The area is well above treeline and is well vegetated with sub-alpine species, predominantly grasses. A variety of moss and lichens grow on the talus and there are some small shrubs growing in protected pockets. Surface runoff from the site drains 500m to the north into Faro Gulch, a tributary of Keno Ladue.

3. GEOLOGY AND MINERALIZATION

All trenches on the gentle to moderate north facing slope cut medium - thickly banded Keno Hill Quartzite bedrock or near bedrock float. A 5m wide section of mud in the floor near the east end of Trench #2 is interpreted as a fault because of its northwesterly strike. A 1m wide band of bull quartz was cut near the northwest end of Trench #4 but it was not seen in either Trench #5 or #6, located approximately 30m to the southwest.

The Yukon Minfile reports galena, sphalerite, tetrahedrite, arsenopyrite, as well as oxidized minerals were found at both occurrences. However, none were seen during our visit.

4. SITE HISTORY

Exploration work consists of shallow prospect shafts and hand trenching dating back to 1919. In 1958 and 1959 bulldozer trenches were excavated on the Venus 1F claim. An old adit of unknown age was developed on the Ladue Fraction claim. In 1999, six bulldozer trenches, in the area of the showing, were examined. No old shallow shafts, hand trenches or adits were found. It is possible that these were destroyed by later bulldozer trenching.

5. MINE DEVELOPMENT

There are six bulldozer trenches. No ore was processed at the site and no tailings were encountered. There is no wastewater treatment facility at this site. Site photos are located in Attachment 1.

5.1 Mine Openings and Excavations

Trench #1

Trench #1 is located upslope of the other trenches, roughly 500m southwest of Silver Basin Gulch Trail. The trench is wide and shallow with a talus slope along the northern side.

Dimensions (L x W x H): 100m x 5m x 3m

Condition: The gently sloped sides pose no stability concerns.

Accessibility: The trench is easily accessed.

Trench #2 (photo 47-1)

Trench #2 is located between Trench #1 and the road, at the eastern end of the site. The southern side of the trench is a moderately steep talus slope. At the time of the site visit there was a small pool of water in the bottom of the trench. A section of mud at the east end of the trench is interpreted as a fault.

Dimensions (L x W x H): 30m x 3m x 1m

Condition: The talus slope on the south side is moderately steep, but appeared stable. The wall on the north side is very low and does not pose any stability concerns.

Accessibility: The trench can be easily accessed.

Trench #3

Trench #3 is 100m to the west of Trench #2. It is excavated into overburden.

Dimensions (L x W x H): 30m x 2-8m x 25m

Condition: The low trench walls pose no stability concerns.

Accessibility: The trench can be easily accessed.

Trench #4 (photo 47-2)

Trench #4 is 400m to the west of Trench #3, 150m from Silver Basin Gulch Trail. There is a 1m wide band of quartzite at the northwest end. The trench is oriented from 318° at the northwest end and doglegs to 342° at the south end.

Dimensions (L x W x H): 115m x 3m x 2m

Condition: The low trench walls pose no stability concerns.

Accessibility: The trench is easily accessed.

Trench #5

Trench #5 is roughly 90m west of Trench #4. At the time of the site visit, there was a small volume of water at the bottom of the trench. The trench is oriented at 340°.

Dimensions (L x W x H): 50m x 8-3m x 1m

Condition: The low trench walls pose no stability concerns.
Accessibility: The trench can be easily accessed.

Trench #6

Trench #6 is located immediately to the west of Trench #5, 100m south of Silver Basin Gulch Trail and at the western edge of the site. A claim post (tag #2YA39940) is located 20m to the west of the northern end of the trench. The trench is oriented at 338°.
Dimensions (L x W x H): 64m x 4-8m x 2m
Condition: The trench walls are comprised primarily of blocky quartzite float and pose no stability concerns.
Accessibility: The trench can easily be accessed.

5.2 Waste Rock Disposal Areas

Waste rock from the trenching is composed primarily of overburden and some Keno Hill Quartzite and forms many of the trench walls.

6. MINE SITE INFRASTRUCTURE

No buildings, electrical equipment, fuel storage areas or any other mine site infrastructure were encountered at this site.

7. SOLID WASTE DUMPS

There were no solid waste dumps observed at this site.

8. POTENTIAL CONTAMINANTS OF CONCERN

No hazardous waste was encountered at the site. Potential contaminants of concern include any metals washing from the trench walls.

9. WATER QUALITY

Two small puddles of water were observed at the base of Trench #2 and Trench #5. No water samples were collected.

10. RECLAMATION

No active measures of reclamation have been done on this site. Grasses and mosses are naturally revegetating the trenches.

11. REFERENCES AND PERSONAL COMMUNICATIONS

Minfile # 105M 007

Photo 47-1 : Monument and Ladue Fraction. View of Trench #2, note small pool of water at bottom of the trench. (Azimuth 076°)

Photo 47-2 : Monument and Ladue Fraction. View of Trench #4, Gambler Lake is in the background. (Azimuth 318°)