

NABOB #2
SITE #35
MINFILE # 105M 001as

1. LOCATION AND ACCESS

Nabob #2 is located on the north side of Keno Hill, approximately 2km northwest of the Monument Hill summit. Four-wheel drive access is possible via an unnamed trail that branches off Silver Basin Gulch Trail, roughly 2km from the Signpost. It is located at the approximate UTM co-ordinates 7 092 100m N and 489 900m E. (Latitude: 65° 57' 37" N and Longitude 135° 12' 09" W).

2. SITE PHYSIOGRAPHY

The site is located above treeline at an elevation of 4900ft (1490m) on a level plain. The vegetation at the site is mainly small shrubs, grass and moss. Surface runoff from the site flows 500m to the west into Faro Gulch, a tributary of the Keno Ladue River. Given the aspect and elevation, the site is presumably underlain by permafrost.

3. GEOLOGY AND MINERALIZATION

The old shaft, collapsed approximately 1m from the surface / collar is in greenstone. The waste rock pile beside the shaft has oxidized siderite with occasional small pods of crystalline and gneissic galena.

The bulldozer trench, approximately 65m to the southeast, cut greenstone with an irregular weak vein containing quartz and fresh to oxidized siderite.

4. SITE HISTORY

Three or more shafts and a bulldozer trench of unknown ages were excavated at the site.

5. MINE DEVELOPMENT

One old shaft and a bulldozer trench were visited. No ore was processed at the site and no tailings were encountered. There is no wastewater treatment facility at the site. Site photos are located in Attachment 1 and laboratory results for sampling are in Attachment 2.

5.1 Mine Openings and Excavations

Shaft #1 (photo 35-1)

The 1.5m by 1.5m shaft is collapsed about 1m below surface. The log cribbing which supported the collar has broken and fallen into the shaft. There is a large windless above the shaft opening.

Trench #1 (photo 35-2)

The bulldozer trench is excavated in greenstone with an irregular weak vein containing quartz and fresh to oxidized siderite. It is located approximately 65m to the southeast of the shaft.

Dimensions (L x W x H): 15m x 4m x 2m

Condition: The trench is shallow and poses no stability concerns.

5.2 Waste Rock Disposal Areas (photo 35-2)

There are roughly 160m³ of waste rock outside of the shaft. The waste rock is composed of greenstone and oxidized siderite with small pods of crystalline and gneissic galena. There was no surface water flowing over the waste rock at the time of the site visit. A sample (Nabob #2-Waste Rock-Sept.18/99) was collected for laboratory analysis. The field paste pH was 7.8 and the conductivity was 100µS/cm.

6. MINE SITE INFRASTRUCTURE

There are the remains of a log cabin. No other mine site infrastructure was encountered.

6.1 Building 35A (photo 35-3)

The remains of an old log cabin are located near the shaft. The building has completely collapsed.

Dimensions (L x W x H): 4m x 3m x 0.4m (current height)

Asbestos: No asbestos was observed.

Non-Hazardous Contents: There is an empty fuel drum and an old stove at the cabin site.

Hazardous Contents: No hazardous contents were observed.

6.2 Fuel Storage

There is one empty fuel drum by the cabin.

7. SOLID WASTE DUMPS

There are no solid waste dumps at the site.

8. POTENTIAL CONTAMINANTS OF CONCERN

No hazardous waste was encountered. Potential contaminants of concern include any metals washing from the waste rock pile.

9. **WATER QUALITY**

There was no surface water at the site.

10. **RECLAMATION**

There is no vegetation growing on the waste rock pile. The trench has some grass growing in it.

11. **REFERENCES AND PERSONAL COMMUNICATIONS**

Minfile #105M 001as

**ATTACHMENT 2: 1999 NABOB #2 WASTE ROCK
LABORATORY RESULTS**

Site Number	Detection Limit	Units	Nabob 2 - Waste Rock Sept 18/99
Sample Description			Collected from waste rock from the Nabob #2 shaft.
Paste pH (field)	N/A	pH	7.8
Conductivity (field)	N/A	µS/cm	100
pH in Saturated Paste			
pH	0.1	pH	7.2
pH in Soil (1:2 water)			
pH	0.01	pH	6.7
ICP Semi-Trace Scan			
Aluminum	5	µg/g	24200
Antimony	2	µg/g	95
Arsenic	2	µg/g	91
Barium	0.05	µg/g	117
Beryllium	0.1	µg/g	<0.1
Bismuth	5	µg/g	<5
Cadmium	0.1	µg/g	762
Calcium	5	µg/g	11500
Chromium	0.5	µg/g	14.6
Cobalt	0.1	µg/g	25.7
Copper	0.5	µg/g	430
Iron	1	µg/g	94000
Lead	1	µg/g	3670
Lithium	0.5	µg/g	15.6
Magnesium	1	µg/g	7130
Manganese	0.5	µg/g	16200
Mercury	0.01	µg/g	2.5
Molybdenum	1	µg/g	6
Nickel	1	µg/g	26.3
Phosphorus	5	µg/g	587
Potassium	20	µg/g	7800
Selenium	2	µg/g	<2
Silicon	5	µg/g	517
Silver	0.5	µg/g	70.7
Sodium	5	µg/g	75
Strontium	1	µg/g	10
Sulphur	10	µg/g	3680
Thorium	1	µg/g	<1
Tin	1	µg/g	2
Titanium	0.2	µg/g	76.6
Uranium	5	µg/g	<5
Vanadium	1	µg/g	120
Zinc	0.5	µg/g	57700
Zirconium	0.1	µg/g	5.2

**ATTACHMENT 2: 1999 NABOB #2 WASTE ROCK LABORATORY RESULTS
MODIFIED SOBEK METHOD ACID-BASE ACCOUNTING TEST**

SAMPLE	SITE DESCRIPTION	PASTE pH	S(T) %	S(SO4) %	AP	NP	NET NP	NP/AP
Nabob 2 - Waste Rock - Sept.18/99	Collected from waste rock from the Nabob #2 shaft.	8.0	0.56	0.07	15.3	50.3	34.9	3.3

AP = ACID POTENTIAL IN TONNES CaCO₃ EQUIVALENT PER 1000 TONNES OF MATERIAL.

NP = NEUTRALIZATION POTENTIAL IN TONNES CaCO₃ EQUIVALENT PER 1000 TONNES OF MATERIAL.

NET NP = NET NEUTRALIZATION POTENTIAL = TONNES CaCO₃ EQUIVALENT PER 1000 TONNES OF MATERIAL.

NOTE: WHEN S(T) AND/OR S(SO₄) IS REPORTED AS <0.01, IT IS ASSUMED TO BE ZERO FOR THE AP CALCULATION.

N/D = NO DUPLICATE ASSAY. CALCULATIONS ARE BASED ON ASSAY RESULTS OF THE INITIAL SAMPLE.

RE = REPLICATE.

NOTE - A HIGH LEVEL OF SOLUBLE METALS (ESPECIALLY IRON) WERE OBSERVED IN MANY SAMPLES DURING THE ABA TITRATIONS.

SAMPLES WITH A NEGATIVE NET NP SHOULD BE TESTED FOR MOBILE METALS USING STANDARD SHAKE FLASK EXTRACTION TESTS.



Photo 35-1 : Nabob #2. View of the collapsed Nabob #2 shaft. (Azimuth 050°)



Photo 35-2 : Nabob #2. The waste rock pile from the shaft is in the foreground and Trench #1 is in the background. (Azimuth 230^o)



Photo 35-3 : Nabob #2. Building 35A, an old cabin foundation. (Azimuth 235 °)