FOX

SITE #38

MINFILE#105M 001av

1. LOCATION AND ACCESS

The Fox showing is located on the north side of Keno Hill, approximately 1.5km north-northwest of Monument Hill Summit. Four wheel drive access is possible via the Silver Basin Gulch Trail, approximately 2km from the Keno Hill Signpost. The approximate UTM co-ordinates are 7 091 600m N and 490 650m E (Latitude: 63° 57' 09" N and Longitude: 135° 11'21" W).

2. SITE PHYSIOGRAPHY

The Fox site is situated on a gently sloping knob to the north of Monument Hill. The site is located at 5400ft (1650m), above treeline, and is vegetated with subalpine species, predominantly small shrubs and grasses. Given the altitude, the site is probably underlain by permafrost. Since the site is located on the top of a knob, surface runoff likely drains in three directions: to the west into Faro Gulch, to the north into McKay Gulch and to the east into Silver Basin Gulch. All three gulches are tributaries of the Keno Ladue River.

3. GEOLOGY AND MINERALIZATION

There is vein fault approximately 1m wide and a 2m northeast trending strike length at the north end of Trench #1. The vein fault contains quartz, silicification, minor oxidized siderite as well as pale yellow and black graphitic gouge. Trace amounts of fine-grained crystalline galena are found in siderite filled fractures in the quartzite wallrock of the vein. Wallrock for the vein is a medium banded gray Keno Hill quartzite and limonite. Elsewhere in the trench, Earn Group quartz sericite chlorite and carbonaceous phyllite is exposed. No vein was seen in Trench #2. The trench exposed Keno Hill Quartzite - thin interbanded dark carbonaceous quartzite and quartz carbonaceous phyllite.

4. SITE HISTORY

Three or more shallow prospecting shafts are reported. Only two bulldozer trenches were found at the site. The prospecting shafts were probably remove by the bulldozing.

5. MINE DEVELOPMENT

There are two trenches and associated rock piles at this site. No ore was processed at the site and no tailings were encountered. There is no waste water treatment facility at the site. Site photos can be found in Attachment 1 and laboratory results of the sampling are in Attachment 2.

5.1 Mine Openings and Excavations

Trench #1 (photo 38-1)

Trench 1 is oriented to the north-northwest. There is a 2m quartz vein near the north end. The bottom of the trench is filled with 0.5m of water.

Dimensions (L x W x H): 25m x 4-8 m x 3m

Condition: The trench walls are not steep and appear stable.

Accessibility: The trench is easily accessed.

Trench #2

Trench #2 is located 20m south of trench #1 and is oriented to the east-northeast. This trench is much shallower than trench #1 and was dry at the time of the site visit.

Dimensions (L x W x H): 40m x 1.5-4m x 1m

Condition: The low trench walls pose no stability concerns.

Accessibility: The trench is easily accessed.

5.2 Waste Rock Disposal Areas

Waste Rock was disposed of over a 10m width on both sides of trench #1. The surface material is a mixture of overburden, quartz veining with siderite and graphite gouge material. There was no surface water encountered at the top of the trench however, there is ponded water at the bottom of the trench. A sample of vein material (Fox-waste rock-Sept.18/99) was collected for analysis. The field paste pH was 5.6.

Trench #2 is shallow and mostly in overburden and there no obvious waste rock pile associated it. No surface water was encountered in or near the trench.

6. MINE SITE INFRASTRUCTURE

No buildings or any other mine site infrastructure, such as rail and trestle or electrical equipment, was encountered at this site.

7. SOLID WASTE DUMPS

No solid was dumps were encountered at this site.

8. POTENTIAL CONTAMINANTS OF CONCERN

Four 45-gallon drums were found in trench #1 and three more nearby. All were empty and do not pose any danger of contamination. There were no hazardous products encountered. Potential contaminants of concern include any metals washing from the waste rock piles or from the trench walls.

9. WATER QUALITY

There is a small pond of water measuring 13m in length, 4m wide and averaging 0.5m in depth at the bottom of trench #1. A sample (Fox C1-Fox-15/09/99) was collected for analysis. The field pH was 5.2 and the conductivity was 30μS/cm.

10. RECLAMATION

Very little natural revegetation has occurred in the trenches.

11. REFERENCES AND PERSONAL COMMUNICATIONS

Minfile #105M 001av

ATTACHMENT 2: 1999 FOX WATER SAMPLES LABORATORY RESULTS			
Sample Number	**Detection Limit**	**Units**	**Fox C1 - Fox - 15/09/99**
Site Desciption			Ponded water in trench #2
pH (field)	N/A	pH	5.2
Conductivity (field)	N/A	µS/cm	30
pH (Lab)	0.01	pH	6.76
Conductivity (Lab)	0.01	µS/cm	37
Total Alkalinity	5	mg CaCO3/L	8
Chloride	0.25	mg/L	<0.25
Hardness (CaCO3 equiv)	5	mg/L	na
Nitrate-N	0.05	mg/L	0.1
Nitrite-N	0.003	mg/L	<0.003
Sulphate	0.5	mg/L	7.3
Total Dissolved Solids	5	mg/L	23
Analysis by ICP-USN			
Aluminum	0.0008	mg/L	0.167
Antimony	0.005	mg/L	<0.005
Arsenic	0.01	mg/L	<0.01
Barium	0.00004	mg/L	0.0471
Beryllium	0.00001	mg/L	<0.00001
Bismuth	0.0004	mg/L	<0.0004
Boron	0.002	mg/L	<0.002
Cadmium	0.00006	mg/L	0.00038
Calcium	0.002	mg/L	3.19
Chromium	0.00006	mg/L	0.00047
Cobalt	0.00003	mg/L	<0.00003
Copper	0.00003	mg/L	0.00046
Iron	0.00001	mg/L	0.172
Lead	0.0003	mg/L	0.0176
Lithium	0.001	mg/L	<0.001
Magnesium	0.0005	mg/L	1.21
Manganese	0.00002	mg/L	0.0108
Mercury	0.0001	mg/L	<0.0001
Molybdenum	0.00007	mg/L	<0.00007
Nickel	0.00001	mg/L	<0.00001
Phosphorus	0.03	mg/L	<0.03
Potassium	0.4	mg/L	<0.4
Selenium	0.004	mg/L	<0.004
Silicon	0.004	mg/L	2.29
Silver	0.00005	mg/L	0.00019
Sodium	0.004	mg/L	1
Strontium	0.00002	mg/L	0.0267
Sulphur	0.008	mg/L	2.61
Thallium	0.001	mg/L	<0.001
Titanium	0.00002	mg/L	0.00349
Vanadium	0.00003	mg/L	0.00033
Zinc	0.0002	mg/L	0.0195
Zirconium	0.00004	mg/L	
Analysis by Hydride AA			
Arsenic	0.0002	mg/L	0.002
Selenium	0.0001	mg/L	0.0004

ATTACHMENT 2: 1999 FOX WASTE ROCK LABORATORY RESULTS			
Site Number	**Detection Limit**	**Units**	**Fox - Waste Rock - Sept 18/99**
Sample Desciption			Vein material at the north end of trench #1
Paste pH (field)	N/A	pH	5.6
Conductivity (field)	N/A	µS/cm	-
pH in Saturated Paste			
pH	0.1	pH	5.3
pH in Soil (1:2 water)			
pH	0.01	pH	5.4
ICP Semi-Trace Scan			
Aluminum.	5	µg/g	41300
Antimony	2	µg/g	103
Arsenic	2	µg/g	1000
Barium	0.05	µg/g	839
Beryllium	0.1	µg/g	1
Bismuth	5	µg/g	<5
Cadmium	0.1	µg/g	3
Calcium	5	µg/g	480
Chromium	0.5	µg/g	32.1
Cobalt	0.1	µg/g	1.3
Copper	0.5	µg/g	188
Iron	1	µg/g	45000
Lead	1	µg/g	23300
Lithium	0.5	µg/g	58.1
Magnesium	1	µg/g	1100
Manganese	0.5	µg/g	351
Mercury	0.01	µg/g	4.3
Molybdenum	1	µg/g	2
Nickel	1	µg/g	7.1
Phosphorus	5	µg/g	858
Potassium	20	µg/g	13400
Selenium	2	µg/g	<2
Silicon	5	µg/g	139
Silver	0.5	µg/g	107
Sodium	5	µg/g	493
Strontium	1	µg/g	28
Sulphur	10	µg/g	3570
Thorium	1	µg/g	3
Tin	1	µg/g	16
Titanium	0.2	µg/g	91.7
Uranium	5	µg/g	<5
Vanadium	1	µg/g	49
Zinc	0.5	µg/g	900
Zirconium	0.1	µg/g	28.1

ATTACHMENT 2: 1999 FOX 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
Fox - Waste Rock - Sept.18/99	Vein material at the north end of trench #1	6.0	0.24	0.19	1.6	-1.5	-3.1	<0.1
Fox - Waste Rock - Sept.18/99 RE	Laboratory duplicate	-	0.22	0.18	1.3	-	-	-

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 38-1 : Fox. Water ponded at the base of Trench #1. (Azimuth 020 ^{o})