### LAKE VIEW

# **SITE #34**

### MINFILE# 105M001ar

## 1. LOCATION AND ACCESS

Lake View is located in the cirque at the headwaters of Faro Gulch on the north slope of Keno Hill. The site is at an elevation of roughly 1460m. Approximate UTM co-ordinates are 7091 100m N and 489 000m E. The site is a 300m hike past the end of the Upper Faro Gulch Trail, a deactivated road that begins at the Lucky Queen site. Four-wheel drive access is possible along the first 1.6 km of the Faro Gulch Trail.

### 2. SITE PHYSIOGRAPHY (Photo 34-1)

The Lake View site is located along the rib of a rocky east-west ridge. Coarse talus is common throughout the site and soils are poorly developed. Permafrost is considered very likely. The mine site is vegetated with subalpine herbaceous plants, grasses and shrubs(willow). A variety of moss and lichens grow on the talus. Surface water from the site drains northward into the Faro Gulch, a tributary of the Keno Ladue River. No surface water was observed on the site.

### 3. GEOLOGY AND MINERALIZATION

The host rocks are the Earn Group schist and phyllite with greenstone lenses. A discontinuous quartz vein with minor siderite, galena, freibergite and sphalerite is reported (Minfile #105M 001ar).

#### 4. SITE HISTORY

Nothing is known of the site history. Work dating from the 1930s included minor hand trenching, although an adit is reported. A bulldozer trench was cut at the base of the site in the 1980s.

# 5. MINE DEVELOPMENT

Development work on the Lake View site is very limited. Two trenches and a bedrock cut were encountered. No ore was produced or processed on the site. There are no tailings or treatment facilities on the site.

#### 5.1 Mine Openings and Excavations

No adit was found on the site. All the trenches are easily accessed by foot. A bedrock cut made where the vein is exposed at the lip of the ridge may represent the collar of an abandoned portal (described below as Trench #4).

### Trench #1

Trench #1 is a cat trench developed into bedrock in the 1980s as part of the work conducted on the Gambler site (site #73).

Location:

At the base of the ridge.

Dimensions:

15m long x 3m wide x 2m deep

Condition:

Good.

# **Trench #2 (Photo 34-2)**

Trench #2 is was hand dug in overburden consisting of colluvial soils composed of up to 70% coarse talus material.

Location:

30m up the ridge, roughly 20m south of the edge of the ridge.

**Dimensions**:

10m long x 2m wide x 1.5m deep

Condition:

Good; partially slumped in.

# Trench #3/Open Cut (Photo 34-3)

This location is more of a small open cut excavated into the exposed bedrock lip of the ridge.

Location:

On cliff edge of ridge, roughly 80m east along ridge from Trench #1.

**Dimensions:** 

5m long x 2m wide x 1m deep

Condition:

Good; difficult to access.

### 5.2 Waste Rock Disposal Areas

Waste rock disposal areas are limited to small piles of overburden from trenching and were not investigated separately. No waste rock samples were collected.

### 6. MINE SITE INFRASTRUCTURE

The only mine site infrastructure at the site is a single building. There are no fuel storage areas, rail or trestle structures, milling, processing or electrical facilities.

### **Building 34-A: Cabin (Photo 34-4)**

Dimensions:

Building material is spread out over a 20m by 15m area.

Location:

End of the Upper Faro Gulch Trail, 70m north of the Trench #1.

Construction:

Wood frame construction with metal roof.

Asbestos:

None observed.

Contents:

No investigated.

### 7. SOLID WASTE DUMPS

No solid waste dumps were observed at the site.

## 8. POTENTIAL CONTAMINANTS OF CONCERN

No potential contaminants were observed on the site.

## 9. WATER QUALITY

Two water samples were collected on along the creek below the site in Faro Gulch as part of work done on the adjacent Gambler (site #73) and Keno No.9 System (site 36) sites. Samples were also collected in 1996 by PWGSC at the same locations. These samples and field analysis results are presented in Table 1. See Gambler report (site #73) for sample result details.

Table 1: 1996 and 1999 Field Data for Surface Water Sampling

1996	1999	Location	1996	1999	1996	1999	1996	1999
Sample No.	Sample No.		Flow	Flow	pН	рН	Cond.	Cond.
							(µS/cm)	(μS/cm)
GAWQ/Str002	73WQ-Str02-01/-02	Faro Gulch 400m below	2 L/s	2 L/min	8	8.2	440	340
		camp.						
GAWQ/Str003	9Vein(S1)@Waste-	Faro Gulch, upstream of	4 L/s	N/A	7	6.2	840	500
	Rock-09/18/99	mine and waste rock area						

## 10. RECLAMATION

The pre-1980 Lake View workings have begun to revegetate naturally. Trench #1 remains barren.

#### 11. REFERENCES

Minfile #105M001ar

Public Works and Government Services Canada. 1997. Phase II Environmental Assessment of the Gambler Abandoned Mine Site. Report No. P118401, prepared by Steffen Robertson and Kirsten Inc.

ATTACHMENT 2: 1999 LAKE VIEW WATER SAMPLES  LABORATORY RESULTS										
Sample Number	Detection Limit	Units	Nine Vain (S1) @ Waste Rock - 09/18/99	Nine Vain (S2) @ Waste Rock - 09/18/99	73WQ-Str02-01/02 - Gambler - 16/09/99					
Site Description	_		Faro Gulch, upstream of site drainage	Faro Gulch, upstream of site drainage (duplicate)	Faro Gulch, downstream of site					
pH (field)	na	pH			8.2					
Conductivity (field)	na	µS/cm			340					
pH (Lab)	0.01	pH	7.2	7.17	7.24					
Conductivity (Lab)	0.01	μS/cm	570	570	360					
Total Alkalinity	5	mg CaCO3/L	21	14	25					
Chloride	0.25	mg/L	<0.25	<0.25	<0.25					
Hardness (CaCO3 equiv)	5	mg/L	294	298	158					
Nitrate-N	0.05	mg/L	0.35	0.32	0.3					
Nitrite-N	0.003	mg/L	0.003	<0.003	<0.003					
Sulphate	0.003	mg/L	256	244	137					
Total Dissolved Solids	5	mg/L	402	402	249					
Analysis by ICP-USN		I nig/L	402	402	240					
•	l 0.0008	ma/1	0.347	1.04	0.0371					
Aluminum	0.0008	mg/L	<0.005	0.017	<0.005					
Antimony	0.005	mg/L mg/L	0.02	0.03	<0.003					
Arsenic			0.0558	0.0593	0.027					
Barium	0.00004	mg/L		<0.0001	<0.0001					
Beryllium	0.00001	mg/L	<0.00001	<0.0004	<0.0004					
Bismuth	0.0004	mg/L	<0.0004	<del> </del>	<0.004					
Boron	0.002	mg/L	<0.002	0.003						
Cadmium	0.00006	mg/L	0.033	0.0347 80.2	0.00659 42.6					
Calcium	0.002	mg/L	78.9		0.00031					
Chromium	0.00006	mg/L	0.00128	0.00103						
Cobalt	0.00003	mg/L	0.00346	0.0077	0.00061					
Copper	0.00003	mg/L	0.0218	0.0388	0.00193					
Iron	0.00001	mg/L	2.85	12.4	0.152					
Lead	0.0003	mg/L	1.09	2.36	0.019					
Lithium	0.001	mg/L	0.01	0.011	<0.001					
Magnesium	0.0005	mg/L	21	22.3	12.7					
Manganese	0.00002	mg/L	0.87	2.41	0.364					
Mercury	0.0001	mg/L	<0.0001	<0.0001	<0.0001					
Molybdenum	0.00007	mg/L	0.00028	0.00096	0.00012					
Nickel	0.00001	mg/L	0.039	0.0496	0.0109					
Phosphorus	0.03	mg/L	0.61	0.85	<0.03					
Potassium	0.4	mg/L	<0.4	0.6	<0.4					
Selenium	0.004	mg/L	<0.004	<0.004	<0.004					
Silicon	0.004	mg/L	1.64	2.58	1.53					
Silver	0.00005	mg/L	0.00244	0.0107	0.00014					
Sodium	0.004	mg/L	0.8	0.8	0.5					
Strontium	0.00002	mg/L	0.208	0.214	0.12					
Sulphur	0.008	mg/L	82.3	82.3	44					
Thallium	0.001	mg/L	<0.001	0.003	<0.001					
Titanium	0.00002	mg/L	0.00272	0.0129	0.00066					
Vanadium	0.00003	mg/L	0.00057	0.00174	<0.00003					
Zinc	0.0002	mg/L	1.32	1.48	0,551					
Analysis by Hydide AA		•	1							
Arsenic	0.0002	mg/L	0.0166	0.026	0.0008					
Selenium	0.0001	mg/L	0.0004	0.0008	0.0002					



Photo 34-1: Overview of Lakeview site showing both recent and historic trenching activity. (Azimuth  $100^{\circ}$ )

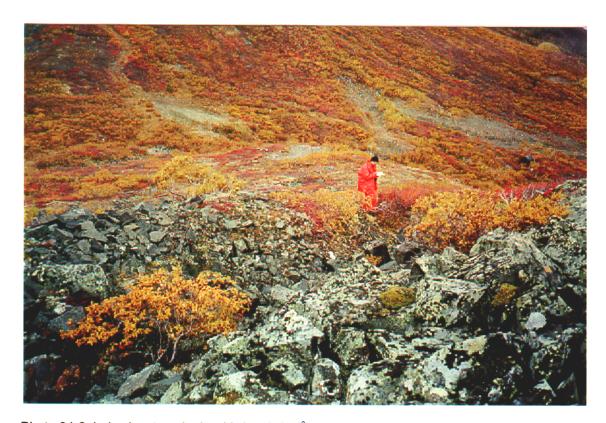


Photo 34-2: Lakeview trench site. (Azimuth 310°)

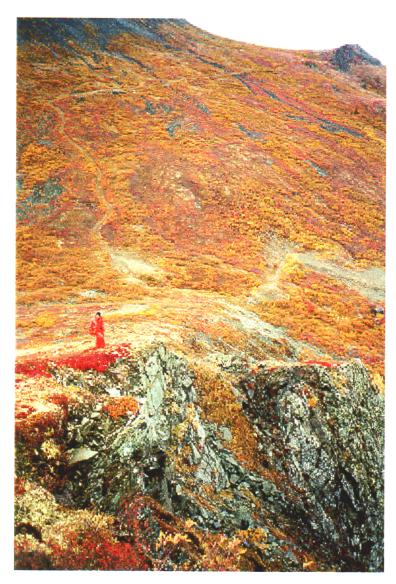


Photo 34-3: Lakeview trench cut located 10m right of sampler. (Azimuth  $280^{\circ}$ )



Photo 34-4: Lakeview building (Bldg. 34-A). (Azimuth 280°)