GOLD QUEEN

SITE #44

MINFILE# 105M 004

1. LOCATION AND ACCESS

The Gold Queen site is located on the north side of Keno Hill, approximately 700m northwest of Monument Hill summit and at the headwaters of Silver Basin Gulch. Access is possible via the Silver Basin Gulch Trail approximately 4km from the signpost at the Keno Hill summit. At the time of the visit, travel by vehicle was stopped by a washout at the start of the descent into the Gulch. The site is located at the approximate UTM co-ordinates of 7 091 700m N and 491 350m E (Latitude: 63° 56' 41" N and Longitude 135° 09' 16" W).

2. SITE PHYSIOGRAPHY

Gold Queen is on a moderate to steep north-facing slope of Keno Hill, just below Monument Hill summit, at an elevation of roughly 4900ft (1490m). Given the aspect and the elevation, the area is presumably underlain by permafrost. The site is just at treeline, with the vegetation dominated by small shrubs and grasses with the occasional spruce tree. Surface runoff from the site drains to the north into Silver Basin Gulch, a tributary of the Keno Ladue River.

3. GEOLOGY AND MINERALIZATION

The trench, up to 2m deep, cut Keno Hill quartzite talus. A 5cm piece of limonite and oxidized siderite float was also found. The vein is partly exposed in a bulldozer cut a short distance above the collar of the adit. The vein fault is up to 0.3m wide and has fresh and oxidized siderite containing trace amounts of fine grained galena and pyrite. A sample of the siderite containing disseminated tetrahedrite assayed 1138 g/t silver and 0.2% lead. Wallrock to the vein fault is Keno Hill Quartzite.

4. SITE HISTORY

The site was explored by prospecting pits, an adit and bulldozer trenching between the years of 1960 and 1986.

5. MINE DEVELOPMENT

One adit and one trench were visited. No ore was processed at the site and no tailings were encountered. There is no waste water treatment facility at this site. Site photos are located in Attachment 1.

5.1 Mine Openings and Excavations

Gold Queen Adit (photo 44-1)

The adit was collared at the base of a 15m high cliff, immediately east of a strong flowing tributary of Silver Basin Gulch. Below the adit the tributary disappears into the talus. The adit itself was dry at the time of the site visit.

Dimensions (L x W x D): 1.5m x 1.5m x ?

Supports: The adit is supported by log cribbing at the portal.

Condition: The adit is in fair condition.

Accessibility: unknown

Trench #1

The trench is located at the end of the Silver Basin Gulch Trail. There is no outcrop along the trench walls. At the bottom, it has all float material, mostly blocky Keno Hill Quartzite and some carbonaceous phyllite and one 5cm limonite-manganese stained vein. There is a small amount of ponded water in the bottom of the trench.

Dimensions (L x W x H): 35m x 4-8m x 2m

Condition: The trench walls are shallow, there are no stability concerns.

Accessibility: The trench can be accessed.

5.2 Waste Rock Disposal Areas

There is only a small waste dump outside of the adit. Most of the waste material is likely in the creek or has been washed down. The trench was excavated into overburden and does not have any waste rock associated with it.

6. MINE SITE INFRASTRUCTURE

No mine site infrastructure was encountered at the site.

7. SOLID WASTE DUMPS

No solid waste dumps were encountered at the site.

8. POTENTIAL CONTAMINANTS OF CONCERN

No hazard waste products were encountered at the site. Potential contaminants of concern include any metals washing from the adit or trench.

9. WATER QUALITY

One water sample was collected for analysis. The sample (Silver Basin–WS–1-Silver Basin) was collected from the Silver Basin Gulch, 30m above the adit, as a background sample. The field pH was 6.4 and the conductivity was 1280µS/cm.

10. RECLAMATION

Natural revegetation is slowly occurring in the disturbed areas.

11. REFERENCES AND PERSONAL COMMUNICATIONS

Minfile #105M 004

ATTACHMENT 2: 1999 GOLD QUEEN WATER SAMPLES LABORATORY RESULTS			
Sample Number	**Detection Limit**	**Units**	**Silver Basin-WS-1 - Silver Basin - 14/09/99**
Site Desciption			Collected from Silver Basin Gulch, 30m above the adit.
pH (field)	N/A	pH	6.4
Conductivity (field)	N/A	µS/cm	1460
pH (Lab)	0.01	pH	7.88
Conductivity (Lab)	0.01	µS/cm	645
Total Alkalinity	5	mg CaCO3/L	103
Chloride	0.25	mg/L	<0.25
Hardness (CaCO3 equiv)	5	mg/L	325
Nitrate-N	0.05	mg/L	0.19
Nitrite-N	0.003	mg/L	<0.003
Sulphate	1	mg/L	222
Total Dissolved Solids	5	mg/L	450
Analysis by ICP-USN			
Aluminum	0.0008	mg/L	0.0078
Antimony	0.005	mg/L	<0.005
Arsenic	0.01	mg/L	<0.01
Barium	0.00004	mg/L	0.0466
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	0.000058
Calcium	0.002	mg/L	87.2
Chromium	0.00006	mg/L	0.00023
Cobalt	0.00003	mg/L	<0.00003
Copper	0.00003	mg/L	0.00184
Iron	0.00001	mg/L	0.171
Lead	0.0003	mg/L	<0.0003
Lithium	0.001	mg/L	0.003
Magnesium	0.0005	mg/L	24.5
Manganese	0.00002	mg/L	0.0494
Mercury	0.0001	mg/L	<0.0001
Molybdenum	0.00007	mg/L	0.00038
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	2.05
Silver	0.00005	mg/L	<0.00005
Sodium	0.004	mg/L	0.8
Strontium	0.00002	mg/L	0.258
Sulphur	0.008	mg/L	71.8
Thallium	0.001	mg/L	<0.001
Titanium	0.00002	mg/L	<0.00002
Vanadium	0.00003	mg/L	<0.00003
Zinc	0.0002	mg/L	0.0034
Analysis by Hydride AA			
Arsenic	0.0002	mg/L	0.0007
Selenium	0.0001	mg/L	<0.0001

Photo 44-1 : Gold Queen. Entrance to the Gold Queen Adit. (Azimuth 190 °)