

CUB AND BUNNY (#30)
(MINFILE# 105M 001aj)

1. LOCATION AND ACCESS

The Cub and Bunny site on the northeast facing slope of Faro Gulch. It is about 1.5 km northwest of the Keno Summit. The site can be accessed on foot from the Upper Faro Gulch Trail. The Upper Faro Gulch Trail is the continuation of the Lucky Queen Road, which intersects the Wernecke Road near the Wernecke town site. These roads can be driven in a four-wheel drive vehicle. The site is about a 7.5 km drive out of Keno City. The Cub and Bunny site consists of a large trench (Trench 1) and a pit (Pit 1) located about 300 m apart. The UTM coordinates for the trench are 7092120 m N 488780 m E. The UTM coordinates for the pit are 7091880 m N 488600 m E. The elevation of the site ranges from 1375 m to 1500 m.

2. SITE PHYSIOGRAPHY

Trench 1 at the Cub and Bunny site lies on a plateau below the Upper Faro Gulch Trail to the north (photo 30-1). Pit 1 lies just north of the trail at the top of a hill sloping northeast towards the trench and Faro Gulch. Surface water drainage runs down this slope towards Faro Gulch.

3. GEOLOGY AND MINERALIZATION

The major rock types observed at the Cub and Bunny site included grey biotite quartz phyllite and greenstone. Quartz siderite veining with disseminated fine-grained galena were evident in Pit 1. Traces of disseminated fine-grained pyrite were found in Trench 1. The minfile reports the presence of two parallel vein faults at the site. The western vein is reported to be hosted in greenstone and contain siderite, galena, freibergite and sphalerite; the eastern vein is reported to be hosted in sercite schist and graphitic phyllite (photo 30-3).

4. SITE HISTORY

The minfile reports that the Cub and Bunny site was developed at some time prior to 1962. The minfile refers to an adit located on the western vein. It is possible that Pit 1 is either the location for a proposed adit or the location of an adit which is now concealed. The minfile also reports that bulldozer trenching occurred on the eastern vein.

5. MINE DEVELOPMENT

5.1 Mine Openings and Excavations

Pit 1 (photo 30-4)

Location: 100 m north of Upper Faro Gulch Trail, 1 km east of Lucky Queen site

Dimensions: 35 m x 5-10 m x 3 m

Condition: stable – 20% revegetated

Access: by foot from Upper Faro Gulch Trail

Trench 1 (photo 30-2)

Location: 300 m NW of Pit 1

Dimensions: 110 m x 2-4 m x 2 m – longitudinal bearing AZ 338

Condition: stable – 40% revegetated

Access: by foot from Upper Faro Gulch Trail

5.2 Waste Rock Disposal Areas

Pit 1 waste rock pile

A waste rock pile is located at the north end of Pit 1. The pile is 15 m long, 10 m wide and 3 m high. It consists mainly of broken rock and overburden with pieces up to 40 cm. 30% of the material has weakly rusted surfaces. The rusting is likely to be caused by ferro-magnesium minerals in greenstone. The paste pH of an undocumented rock sample taken of the waste rock pile was 8.0. The paste conductivity was 3.6 $\mu\text{S}/\text{cm}$. There is some natural reclamation of the waste rock pile the by moss and small shrubs.

Trench 1 waste rock pile

A pile of waste rock from Trench 1 was bulldozed to the northwest end of the trench. It is a mixture of grey biotite quartz phyllite and overburden. This waste rock pile is mostly revegetated and its boundaries are hard to determine.

5.3 Tailings Impoundments

No tailings were observed at the Cub and Bunny site.

5.4 Minesite Water Treatment

No water treatment occurs at the Cub and Bunny site.

6. MINE SITE INFRASTRUCTURE

No infrastructure was observed at the Cub and Bunny site

7. SOLID WASTE DUMPS

No solid waste dumps were observed at the Cub and Bunny site.

8. POTENTIAL CONTAMINANTS OF CONCERN

No potential contaminants of concern were observed at the Cub and Bunny site.

9. WATER QUALITY

There was no surface water observed at the Cub and Bunny site. Surface water runoff from the area drains towards Faro Gulch.

No water quality samples were taken.

10. RECLAMATION

There is significant reclamation of the Cub and Bunny site by natural vegetation. Revegetation was observed at Pit 1 and at Trench 1. There have been no known reclamation measures carried out by past or present operators of the site.



Photo 30-1: View of trench at Cub and Bunny site (Trench1) from above



Photo 30-2: View along length of Trench1. (Azimuth 338°)



Photo 30-3: Exposed rock and soil inside of Trench1



Photo 30-4: View of Pit1 at Cub and Bunny site.