

DUNCAN CREEK

Site No. 17

MINEFILE: 105M 001s

1. LOCATION AND ACCESS

The Duncan Creek site is located southwest of Keno City just east of the confluence of Duncan Creek with Lightning Creek at an elevation of roughly 910m (Site #17, Figure 1). Four-wheel drive access is possible via the Duncan Creek Track, a dirt road that branches off to the east from the Duncan Creek road 3.8 km south of Keno City. The site can be reached by foot via an overgrown cat track oriented NNW that intersects with the Duncan Creek Track approximately 800 m from the Duncan Creek Road. About 50 m along this cat track is the beginning of the trenching that comprises the activity at this site. The UTM co-ordinates for the Duncan Creek Site are 7 084 950m N and 483 200m E.

2. SITE PHYSIOGRAPHY

The site is situated on what appears to be a plateau of glacial sediments above Duncan and Lightning Creeks. The area slopes gently westward toward Lightning Creek. A thick, wet moss, meter-high bushes and evergreen trees cover the area.

3. GEOLOGY AND MINERALIZATION

The site is completely overgrown so that no rock outcrops were observed. According to the Minfile report, the host rocks are Hyland Group schist, phyllite and psammite. An exposed vein that was the focus of the trenching contained siderite, pyrite, pyrrhotite, galena and sphalerite. A considerable quantity of pyrrhotite was reported in carbonate-quartz-pyrrhotite veins.

4. SITE HISTORY

The only thing known about the site was that bulldozer trenching and stripping was conducted, but the date is unknown. Given the amount of revegetation that has occurred, it is probable that the work took place before the 1920's.

5. MINE DEVELOPMENT

Mine development at this site consists of a grid of bulldozer trenches. There is a central trench oriented at 015 degrees and about 260 m in length. Eight trenches oriented roughly perpendicular to the centerline (105 degrees) range in length from 50 m to 150 m. All trenches are approximately 3 m wide.

6. MINE SITE INFRASTRUCTURE

No mine infrastructure was encountered at this site.

7. SOLID WASTE DUMPS

No solid waste was encountered at this site.

8. POTENTIAL CONTAMINANTS OF CONCERN

No potential contaminants of concern were encountered at this site.

9. WATER QUALITY

No creeks or streams were encountered at the site, and no water quality samples were collected.

10. RECLAMATION

The site has almost fully revegetated naturally. All trenches are well overgrown with a thick carpet of moss, and willows (1-2m high), and small evergreens up to 2 meters tall (Photos 17-1).



Photo 17-1: View of overgrown trench at the Duncan Creek site, looking northward.