

KM # 1

TATLA

673102

Camps A-3 and A-6

Photo's 079 and 077

The geology consists predominantly of granodiorite, and quartz diorite which are intruded by feldspar porphyry dykes trending generally at  $N 70^{\circ} W$ . The constituents of the intrusives are ~~composed of~~ feldspars, quartz, biotite, hornblende and magnetite, the latter of which is common throughout regionally on both air photographs.

At camp A-3 the only mineralization detected was pyrite and magnetite. Questionable molybdenum? occurs at sample site 35998 south of A-3 camp, up on the ridge east of the pass.

On photo 077 (A-6) granodiorite predominates intruded by several feldspar porphyry dykes. Both areas (photo 77 & 79) are well fractured with about 4 to 5 fractures per foot which trend N-S,  $N 10^{\circ} E$  to  $N 26^{\circ} W$  having steep dips to the east and west. The fracture system appears to be continuous through the feldspar porphyry dykes and the intrusives, thus younger than the dykes which intrude the granodiorite. However on the north side of the cirque; sample site 35878 at the 7450' elevation, a feldspar porphyry dyke striking at  $145^{\circ}$  azimuth contains disseminated chalcopirite, which suggests the possibility of the dykes being the ore carriers. However this theory is not borne out as most dykes contain pyrite and copper along the fracture system, thus the above is merely a local effect. With this one exception disseminated mineralization was not observed to date. The main copper showing occurs in these highly fractured rocks along the north cliffs of the cirque at camp A-6. The chalcopirite mineralization

with sporadic molybdenum mineralization is particularly concentrated at sites 35859 to 35838 near the top of the cliff at 7660' elevation, ~~and~~ for a distance of approximately 1500 feet, and between 35838 to 35869, plus 35866 to 35874, as depicted on photo 077. The vertical distance on this showing is 550' approx.

The following geochemical rock sites contain observable chalcopyrite and molybdenum mineralization. Molybdenum occurs at 35897 along fractures west of the main copper showing, also at sites 35861. Chalcopyrite ~~was~~ at 35647 (along with malachite and azurite) 35696 and 35699, 35787, 35839, 841, 843, 845, 847, 849, 851, 853, 855, 857, 859, 861, 863, 35869, 871, 879, plus 35838, 40, 66, 70, 74, 78, 80, 82 (+malachite), 35886, 90, 94, 97 (+molybdenum with north strike & steep dip), 35901, 2, 3, 5 and ~~35958~~.

STAKER: A. DAWSON

ADDRESS: Apt. 301, 1370 Duchess Ave  
WEST - VANCOUVER, B.C.

Miner's License: # 120480

Date of issue: May 9/73

Valid: May 31/73

---

Dear Zoeb.

Here are the claim tag nos.  
for the MO claims as requested.

MO # 37 ——— 354537 M

MO # 38 ——— 354538 M

MO # 39 ——— 354539 M

MO # 40 ——— 354540 M

Regards  
Art

Air Photos 270, 269, 182, and 271

Mineralogy: Pyrite here, pyrite there,  
pyrite everywhere. Trace amounts of

pyrrhotite was observed in samples 35382 and 35383.  
35383 might have chalcocite?? please, check the rock sample out.

Geology: Hauterivian (Khm) rocks consisting  
mainly of andesitic and basaltic tufts  
plus acidic rocks i.e. dacite and rhyolite.

Some quartzite which was pyritic.  
The acidic rocks in general appear to  
contain significant amounts of pyrite.

Hornblende quartz diorite was encountered  
on air photo 271 (samples 35557, 35558 and  
35570) in the south west quadrant.

The intrusive contains epidote and trace  
pyrite up on the ridge.

Block X-XI

X = 38,000', Y = 0

June 6<sup>th</sup>/73

Geology of Air Photo 317

The rock consists <sup>predominantly</sup> of shale, tuff, calcareous shale, ~~argillite~~ argillite, of the Karnian (Kk). At sample no. 35060 grit of the Kimmereidgian? (Tk) was encountered locally. The mineralization is very sparse consisting of disseminated pyrite as shown on the air photo.

June 7<sup>th</sup>/73

East of camp on air photo 316? covering the gossan the rock type consisted of a pebble conglomerate associated with a greywacke. Sparse amounts of Py was noted in both and some azurite was noticed in the conglomerate. This assemblage of rocks are in contact with a siliceous volcanic? rock (fine grained) which is loaded with disseminated pyrite. Another traverse from the gossan down to the bottom of the valley is highly recommended to try and locate copper beyond the pyritic halo.

7

Camp A-7

Air Photo's 123 & 124

The rock type consist predominantly of granodiorite and quartz diorite, intruded by quartz feldspar porphyry dykes. Rhyolite, rhyo-dacite and some basalt occur within these intrusive bodies.

Mineralization consist of pyrite and magnetite throughout with minor <sup>(sparse)</sup> chalcopyrite and molybdenum which has little economic significance. The pyrite mineralization occurs along fractures trending approx.  $N30^{\circ}E$  to  $N30^{\circ}W$  with a steep dip. A northerly strike being very common.

## Perkins Peak Area

East of Perkins Peak the geology is dissected by a map prepared by A. Dawson. The rock is quite varied consisting of green andesite, green andesite tuff, purple andesite tuff, sericite schist, limy siltstone, green siliceous tuff, Purple-green andesite tuff, conglomerate, quartzite, basalt, grey andesite, and tuff breccia

### Mineralization:

line 25W x 11N	green andesite - very fine diso. chalcocite
23+80W x 18N	limy siltstone - much magnetite
24W x 48N	andesite talus w. magnetite
24W x 44N	" " " " Py
12W x 12N	andesite tuff - Py
24W x 16+50S	Tuff breccia - Fe stained - Py
24W x 18+90S	same as above
12W x 30S	andesite tuff - <sup>talus</sup> epi & mal.
12W x 32S	talus - andesite w. magnetite
12W x 28S	" " " "
12W x 24S	" " " "
12W x 26S	Andesite tuff talus: malachite, azurite & chalcocite
0W x 22N	green andesite talus - Py
line 0 x 25	conglomerate gossan - Py
B.L. x 12E	grn andesite tuff talus - Py
12E x 2N	grn. siliceous andesite tuff - Py
24E x 24N	talus: siltstone & " " - Py & magnetite
24E x 4N	grn - pur. andesite tuff - malachite
65 x 38W	grn andesite - epidote

# Perkins Peak continued

4+50 S	44W	grn andesite w. epidote
L. 60W	12 S	Gossanous quartzite float loaded w. Py.
60W	15+20S	Pur-grn andesite tuff - epidote
60W	30 S	grn andesite tuff talus with Py
48W	20 S	Sericite schist on west side of contact with a gossanous <del>of</del> conglomerate - Py
48W	20 S	congl - Py
48W	26 S	Quartzite gossan float loaded with Py.
36W	28 S	same as above
36W	20 S	quartzite talus - Py
6W	14+40 S	grn andesite tuff - Py
6W	16 S	pur andesite tuff w. qty. veins - in talus - magnetite, malachite, epi
6W	17+50 S	Pur Andesite tuff - Py (magnetite & epi in float)
}	21+25 S	Qty vein float - malachite, Py
	22 S	grn-pur andesite tuff talus - epidote
	25 S	grn andesite <del>tuff</del> talus - malachite, magnetite, Pyrite and epidote
	26 S	same as above
	38 S	andesite tuff talus - epidote & magnetite
6W	42+50 S	Green Andesite Tuff - malachite, Py, magnetite & epidote
6 E	3+60 N	Sericite schist - Py

## SE of line 6W at south end

Rock consists of green andesite tuff. Mineralization is epidote, malachite, pyrite, and magnetite as depicted on air photo 275. Chalcocite float was also noted.



Photo # 183

SW of Middle Lake

---

The rock type consist of hornblende quartz diorite. At higher elevation there is also some andesitic tuff and granitized sediment. The tuff contains some Py.

Photo: 079

Twist Lake Area

---

Rock consist of biotite and hornblende quartz diorite mainly. Some granite, lamprophyry dykes, andesite tuff. Mineralization mainly Pyrite with some magnetite.