

SLOAN CREEK 32 F NW 119

P 1989-5 GOLF 5 miles east of Lawrence⁶ PLACE (BROWN, LOGAN)

P 21. See Molly Gibson File

P 22. 3 km NW M.G. on strike prod. & tonnes.

"Sm/Nd mineralogy, structural evolution, & Sm/Nd Pb isotope ratios (Logan et al, 1988) suggest

M.G. SUGGESTS, SLOAN CREEK & BUCKLEBURN are part of the same vein system"

MINOR LEAD ISOTOPE CHARACTERISTICS OF MINERAL
KOLGA. FROM PLACE, LOGAN et al, 1988, GOLF
FIELD WORK, 1987 p 588-1, 11535-542

MULLY GIBSON 8 LF NW 121

area P 1987-5 p 19: developed on a mineralized fissure
hosted by a potassium feldspar porphyritic granite. Fissure
follows a NW striking joint set; NW striking vein
system is 2 km long, & hosts m.g., muscovite,
selenite, arsenic & blackened dyrite

- located @ head of historic creek
- prod. 1897-1950 totalled 55860 tonnes
372 g Au, 31.1 million g Ag, 2300 tonnes Pb,
9 tonnes Zn.

46 workings explored 2 veins: Florence, & Aspen
striking N45E, dip 75° SW in potassium-feldspar,
microcline granite. Florence averages 1.5 m wide;
Aspen, (located 15 m SW) = 0.75 m wide
~~the~~ veins developed on 5 levels above 2105 m elev
strike distribution suggests ore shoots plunge SE
@ 45°

Deep material contains pervasive porphyritic & argillic
alteration. Itacite alteration is also present
vein mineralogy based on hand specimen examination
is galena, sphalerite, arsenopyrite, pyrite, & chalcopyrite
in a gangue of brecciated buff to pink siderite &
quartz. Sulfides occur as irregular open-space
fillings parallel to vein walls. Breccia
coarse texture or common in these layers &
mineral breccia fragments. Coarsely crystalline
sphalerite & galena blebs are rimmed by quartz,
fine pyrite, coarse euhedral to subhedral arsenopyrite
& in places chalcopyrite

vein gangue is mainly manganese rich siderite that

weathers blue-black & manganese oxide
chalcocite to celestine gln xlob rim
frequently in line fractures, usually post-dating
siderite. Calc carbonate fills open spaces.

see p. 12 for a table of assay results: 1st, 2nd,
vein & dump

[GROUND LEAD FURTHER CHARACTERISTICS OF MINE IN
100K. CC. PROV. MINE, LOGAN ET AL, 1988, GSC
FIELDWORK, 1987, P 1988-1, pp 535-542]

1987-5 p. 37: Prod 55850 tonnes see tables 354.
Base metal mineral occurs along a NW striking
structure traced over 5 km on surface; only
about 10% of structure has been tested.

1987 FIELDWORK Paper 1988-1 p. 536, 538, 539