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## Bear Pass - Tournigan Mining Exploration

825682

104 A/4

- own 100% in 57 Crown Granted mineral claims.
- most of claims staked 1907-1920
  - very little expl 1920-1969
- 1969-1978 - Tournigan spent \$1.5M on acquisition, geol, trenching + DDH.
- geol - E side of Stewart complex = deformed volc. - sed + metamorphic rx.
  - = Unkte R fm - massive flow + volcanic fragmentals
  - argillite, tuff + cherty iron formation.
  - most of showings including Big Missouri = in andesites.

### types of mineralization

- ① veins
- ② stratabound.
- ③ dis. stringers

#### ① Veins

- on Red Top, Argenta + Grey Copper claims.
- Pb-Zn-Ag-Cu veins up to 2m wide + 1000m long.

#### ② Stratabound

Cu-(Zn, Pb, Ag) - hosted in argillite tuff - iron fm.  
py-po, ep, sph + gn.

- on New York, London claims

#### ③ dis - stringers

- on Enterprise, Heather + Rufus claims.
- dis + stringers of py + ep.

1. George Gold-Copper 12 Crown Grants.

- 6 DDH by Cominco 1927-1929. - 6,696 ft.
- 2 DDH Tournigan Mining Expl. - 1976.

veins on Grandview + Helena claims - vary in width from 4-10 ft average = 6.7 ft.

Blue vein - 1,100 ft strike length.

White vein - total length = 2400 ft.

- diss copper in adit = 0.89% Cu over 110 ft.

2. Enterprise. - 19 claims NE part of Bear Pass claims.

- surface trenching of veins.
- Tunnel "A" driven to test 2.5-3.0 ft of cp ore.
- face averaged 0.7% Cu over 5.5 ft.

< looks a little steep for us.

3. Red Top. - 15 claims. N slope Bear Pass.

- 2 cross cuts - Main Cu showing Galena vein.

- cliffs unclimbable.

cp bearing tuft: 0.4-4.9% Cu; 0.16-0.96 opt Ag; .005-.014 opt Au.

- cp, py, chl with chert beds = volcanogenic mineralization.

on Superior claim - maximum width of the veins is 2.0 m. - get high Pb values.

- rx = volcanic fragmentals + flow rocks interbedded argillite - locally up to 5% Cu.

- 1968 4 DDH intersected argillite member over 100m strike length. - 6m thick averages = 0.5% Cu - contains beds of massive py

4. Heather - 7 claims S slope of Bear Pass.

- rusty bluffs.

- no economic mineralization.

on Heather No. 4 claim - 15 m tunnel on stringer & semi-massive sulphides up to 25 cm (10") wide.

assays up to 2.7 opt Ag; 21.1% Pb; 13.2% Zn.

5. Barite claims - 5 claims.

3 parallel veins spaced 4-10 ft apart - strike length 1500 ft.  
centre vein - width of 4-18 feet - contain galena, Au & barite.