

ASTRO PROJECT 1988

PROJECT 82E/4.5 MIN INV (12, 13, 14, 15, 16, 74, 88, 96)
 (4, 7, 8, 97, 108, 153, 160)
 (54, 90, 91, 93, 141)

LOCATION & ACCESS (9, 10, 11, 113, 137, 123)
 ASTRO 32 (110, 127, 78, 76, 162, 94, 168)
 CRESTON DUSTY MAC

PROPERTY

- DRANIUM EXPLORATION REGULATIONS
- REGIONAL GEOLOGY
- ROCK TYPES
- STRUCTURES
- MINERALIZATION
- 64 Morning Star Au
- 74 Stenwinder (Flora) Au
- 84 Fairview Au Si
- 9 Mo Mn? Re? Banded chert Rhodnite.
- 10 v Orpiment Independence Au
- 11 v Twin Lakes Au
- 12 v Dolphin Au Ag
- 13 v Bullion Cu
- 14 v Gold Valley something Good Au
- 15 v Sunrise, Midway Monarch Au
- 16 v Solconda Cu Mo Au Ag Pb

- PROPERTY RECONNAISSANCE
- 75 Opulence Cu
 - 78 v Dusty Mac Au Ag
 - 84 Gyp, Olivine, Siba, Au Ag Si Fl
 - 88 Homestead Cu
 - 90 v Justice Au Ag Pb Zn Si
 - 91 Standard Au Ag Pb Zn
 - 93 Empire, Oliver Au Ag
 - 94 Ber Lloyd Dan Au Ag
 - 96 v Olalla Ag Au
 - Fairview 97 v Queen Mary Ag Au
 - 100 Boat Cu Ag Ni
 - Rd Creek 108 Mars Torres Au Ag Cu Pb Zn
 - 113 Hill Au
 - 123 Reno Au Ag Nb?
 - 137 Mo Rhodnite
 - 141 POLVO U
 - Creek Rd. 153 GOLD Ken MARK Au Ag Cu Expt Bc 78-E23
 - 162 Wagon Flat RO Rhodnite Windows Shermaker
 - 168 Inez Seven W Cu Mo skarn Shermaker Old Tom

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PROPERTIES

FAIRVIEW CAMP

- 06 MORNING STAR Two parallel quartz vein with pyrite, galena, sphalerite and some gold associated with the galena and sphalerite. Veins occur in argillites and schists of the Anarchist Series which have been intruded by the Oliver and Fairview granites.
- 07 Stimmwender Three quartz veins strike N50°W, Dip 60°NE and carry free gold, galena, pyrite and sphalerite. Ore bodies lie along the east contact of the granite and are associated with aplite and dacite porphyry dykes.
- 08 Fairview Three quartz veins conformable with schist lying between ~~Oliver~~^{granite} to the NE and Fairview diorite to the SW contain pyrite galena sphalerite chalcopyrite and free gold.

PRODUCTION

Property	Tons mined	Ounces Gold	Ounces Silver
Morning Star	10	11	39
Property	Tons mined	Ounces Gold	Ounces Silver
Morning Star	121.550	13957	152407
Stimmwender	30490	3093	17090
Fairview	10	11	39
Queen Mary Smuggler	80 150	22 84	39 120
91 Queen Mary	Au Ag Cu	No geology avail	
89 Smuggler	Au Ag Pb Zn	No geology avail	

- 90 Susie ^{adit?} Quartz veins in Nelson granite carry pyrite, galena chalcopyrite + sphalerite
 7860 tons mined 2639 oz Au 48822 oz Silver
 GEM 1973 \$3.44 1974 53

Creek Rd 108 Mars Torres Quartz veins occupy shear zones in altered diorite and contain lenses of sulphide with Au, Ag.

Creek Rd 153 GORD KEN MARK No geology Explan in BC 1978 E-23

10 Crofters Independence Biotite schist intruded by granite and Qtz porph dykes. Main veins are conformable, stringers and fm., Quartz, pyrite, galena, sphalerite and free gold.

Mined tons

13250

Ounces Au

11 200

Ag

3977

11 Twin Lakes

Lenticular Qtz veins strike NE carry py & galena. Main vein at low angle, others steep. Area underlain by east trending belts of greenstone, sediment and altered diorite, gneiss and granite. In contact with Olivera granite to south. To the west Tertiary volcanics overlie these rocks.

Or Mined

10,600

Ounces Au

4869

Ag

1176

113 Hill

Olalla Area 12, 13, 14, 15, 16, 88, 96, 116

12 DOLPHIN Cu Ag. No geol. Chalcopyrite + pyrite
Mined

150 Au @ Ag 203 Cu 1292816.

13 Bullion Cu Ni Shear in Shoemaker Fm, saddle shaped body
2m. wide plunging 20° at S65 E, intruded by
gabbro + diorite on north side of Olalla pyroxenite stock.

14 Old Valley, Something Good. Carbonate shear and breccia in argillaceous
cherty sids near contact of pyroxenite, Calcite
quartz + py.

15 Sunrise Healey Monarch Narrow quartz veins near apophyses of
Syenite + in pyroxenite. Syenite and diorite intrude
pyroxenite which intrudes Tertiary Shoemaker Fm
Andesite dykes cut syenite. Narrow siliceous shear zone.

~~Mined~~ ~~250~~ tonnes, ~~136~~ ~~cuper Au~~ ~~120~~ ~~oz. Ag.~~ 460 lbs Cu

16 Holconda Five foot wide shear bounded by fault planes.
strikes S 56° E, quartz veining, py, cpy, mo.

Mined Au Ag Cu Lead Molybdenum
60 7 970 83167 1686 9804

74 Opulence Cu Copper oxides in shale, often siliceous + cherty
Nearby diorite intrusion?

88 Homestead Cu No geological description

96 Olalla Ag Au Mn No geol. desc
Tons Au Ag Mn
10 16 45 14575

116 Rock Creek Asbestos

- 75 Libra, Lost Copper Cu Mo Gpy in dissemin. specks + blks in silicified fractures in Old Tom basalt NE + NW striking
- 78 Dusty Mac White Lake Fm pyroclastics, lahar and sandstone, carbonaceous shale. Lens of quartz breccia 200 m x 10 m
- | Tons Mined | Gold oz | Ag oz | Cu lb | Pb lb | Zn lb |
|------------|---------|---------|-------|-------|-------|
| 21 480 | 19 483 | 339 283 | 5361 | 5097 | 533 |
- 84 GYPO OLIVER SILICA No description in MW File. worth much.
- 91 Standard, Snowflake No geological desc
- | Tons | Au | Ag |
|------|-----|------|
| 2060 | 563 | 4429 |
- 93 Empire Oliver No geological desc
- | Tons | Au | Ag |
|------|-----|------|
| 640 | 140 | 1448 |
- 94 Bev Den Lloyd Bev underlain by Tertiary volcanics, Lloyd + Den underlain by Shuswap gneiss. ~~and~~ adjacent Dusty Mac to south
- 100 Boot Cu Ag Ni No geological desc.
- 113 Hill Au Ag Pb Zn Underlain by granodiorite of Osagean intrusion. Irregular gtz veins in narrow NW trending shears.
- 123 Reno Au Ag NB Py and manganese oxides in chert and greenstone cut by drill hole

- 137 Mo Rhodonite with quartz as irregular lens in quartzite
75 metres x 1 metre
- 141 Polvo Cretaceous granite intrude Kobauys seds. granuom
min in contacts and dykes
- 162 Mannon Flat Rhodonite in window of Shoemaker Fm
- 168 Inez Green W Ca Mo Skarn in Shoemaker, Old Tom.