

Bugaboo Creek Group

Tertiary Gold Overprint?

826556

- L140 Baden Powell 92C9W BC Map No 027
- L141 Little Bobs 92C9W 092C-027
- Sirdan/Bugaboo 92C9W 092C-025
- L142 Gen. White

- L143
- L139
- L138
- L137
- L170

High Hg Ferrocyanate Zones  
quartz  
Altered  
ass w Flat Structures  
Comx to Howe Lake

Paul Wilton

Paul Wilton → 356-2838

Gambier Island?

Epithermal  
Au  
As  
Cu  
Late Tertiary  
Neogene

BCDM Bull 3-14  
GSC MEM 13-189

Told Board of Access Problem on Furry Creek. they will have the same for Britannia

GSC ECON GEOL SERIES NO.3 VOL 1 P168

Conference Pacific Geoscience Centre

- 2 Conferences
- ① Remote Sensing
- ② Harbour Tours in Victoria

Crown Grants  
Norm Smith 387-7189

Knobs as you drive into Port McNeil 9 million to 13.5 million years old

High Hg As Sb  
Alert Bay

Mines Branch  
660-2672

Mineral Titles

Sept 24-26  
Norand Rocks

Volcanic Belt  
Jimm Brooks  
Pinnaculo  
NE across to Port McNeil  
NE Fault

Blue Ground  
Amphibole, Pyrite, Chalcoprite  
minor magnetite

are a # of young volcanic and intrusive features near Port McNeil

Co association w Au at Merry Widow

Since the examinations made by Mr. Lindeman in 1907, on which the above report is based, the writer is reliably informed that practically no further work has been done.

There are fifteen mineral claims in the *Conqueror* group, named as follows: *Cyrus, Daniel, Conqueror, Elijah, Benjamin, Grip of Iron, Iron Master, Iron Master's Son, Iron King, Iron Prince, Jennie Fractional, Joseph, Iron Prince Fractional, Jacob, and David.* The writer examined this property

some years ago. Since then it has been examined and reported on by Herbert Carmichael, in the Minister of Mines' Report, 1902; also by Einar Lindeman, in the Canada Department of Mines, Mines Branch Bull. No. 47; and by other engineers for private interests.

The group is on Bugaboo creek, a tributary of the Gordon river, and the main showing of magnetite occurs on the *Conqueror* mineral claim, about eight miles from San Juan bay, at an elevation of about 1,600 feet above sea-level, where the creek crosscuts a solid body of magnetite about 40 feet high, over which the creek forms a waterfall. This deposit belongs to the contact-metamorphic type, and the ore-body lies between crystalline limestone and diorite.

The maximum width of the ore-body exposed in the bed of the creek is about 100 feet. Surface stripping east of the creek has exposed outcroppings of magnetite for some distance, indicating that the deposit may extend for at least 200 feet in length. About 40 feet below the top of the outcrop a drift has been driven 14 feet long in solid magnetite.

From the foregoing data the writer estimates 16,000 tons of *actual* ore exposed on three sides, 14 feet long, 100 feet wide, 80 feet deep, but from the exposures he roughly estimates 230,000 tons of *probable* ore and 120,000 tons of *possible* ore that further development may make available.

Average samples taken in 1900 by the writer assayed:—

|                  | Per Cent. | Per Cent. |
|------------------|-----------|-----------|
| Iron .....       | 59.7      | 62.98     |
| Silica .....     | 6.16      | 4.28      |
| Sulphur .....    | 3.08      | Trace.    |
| Phosphorus ..... | Nil.      | Nil.      |

A sample taken along the drift by Lindeman assayed:—

|                        | Per Cent. |
|------------------------|-----------|
| Iron .....             | 67.09     |
| Insoluble matter ..... | 4.51      |
| Sulphur .....          | 1.60      |
| Phosphorus .....       | 0.009     |

A sample taken by Carmichael assayed:—

|               |      |
|---------------|------|
| Iron .....    | 69.2 |
| Silica .....  | 2.7  |
| Sulphur ..... | 0.5  |

Outcroppings of magnetite occur on some of the other claims in the group, notably on the *David*, east of the *Conqueror*. Open-cuts have been made in several places, exposing magnetite of approximately the same grade as the above samples, but the work is not sufficient to warrant an estimate of the tonnage of available ore.

The water-supply in the Gordon river, as well as in Bugaboo creek, is sufficient for ordinary power purposes, as well as for mining and domestic use. The timber is ample for all purposes, including the manufacture of lumber.

Transportation facilities to salt water from any of the mineral claims included in the groups described herein, in the Port Renfrew district, can be installed at reasonable cost. The harbour near the mouth of the Gordon river affords some good sites for bunkers and wharves.

**BARKLEY SOUND DISTRICT.**

**SARITA RIVER DEPOSITS.**

Deposits of magnetite belonging to the contact-metamorphic type, with the ore lying between crystalline limestone and diorite, occur about one mile up the Sarita river and about a quarter of a mile back from the south bank. The Sarita river rises in Sarita lake, flows westward into Numukamis bay, in the Eastern channel of Barkley sound, about fifteen miles from Cape Beale, on the west coast of Vancouver Island.