## Location/Identification

**MINFILE Number:** 092GSE008
**Name(s):** **STANDARD**
LINDA, BB

**Status:** Prospect
**Regions:** British Columbia
**BCGS Map:** 092G048
**NTS Map:** 092G07E
**Latitude:** 49 24 20 N
**Longitude:** 122 35 11 W
**Elevation:** 180 metres
**Location Accuracy:** Within 500M

**Mining Division:** New Westminster
**Electoral District:** Coquitlam-Burke Mountain
**Resource District:** Chilliwack Natural Resource District

**UTM Zone:** 10 (NAD 83)
**Northing:** 5472623
**Easting:** 530006

**Comments:** Main showing on the west shore of Pitt Lake, about 24 kilometres north of the Pitt River bridge (Assessment Report 8873, Figure 2).

## Mineral Occurrence

**Commodities:** Gold, Silver, Copper, Lead, Zinc

**Minerals**
**Significant:** Pyrite, Galena, Chalcopyrite
**Associated:** Quartz
**Alteration Type:** Silicific'n
**Mineralization Age:** Unknown

**Deposit**
**Character:** Vein
**Classification:** Hydrothermal, Epigenetic
**Type:** I05: Polymetallic veins Ag-Pb-Zn+/-Au
**Dimension:** 76x0x0 metres
**Comments:** The veins, 0.05 to 0.30 metres wide, are traceable for 76 metres.

## Host Rock

**Dominant Host Rock:** Plutonic

| Stratigraphic Age | Group | Formation | Igneous/Metamorphic/Other |
|---|---|---|---|
| Mesozoic-Cenozoic | ------ | ------ | Coast Plutonic Complex |

| Isotopic Age | Dating Method | Material Dated |
|---|---|---|
| ------ | ------ | - |

**Lithology:** Hornblende Diorite, Amphibolite Dike
**Comments:** The Coast Plutonic Complex is Jurassic to Tertiary in age.

## Geological Setting

**Tectonic Belt:** Coast Crystalline
**Terrane:** Plutonic Rocks
**Physiographic Area:** Fiord Ranges (Southern)

**Metamorphic Type:** Regional
**Grade:** Greenschist

## Inventory

**Ore Zone:** SHAFT
**Category:** Assay/analysis
**Year:** 1987
**Report On:** N
**NI 43-101:** N

**Sample Type:** Chip

| Commodity | Grade |
|---|---|
| Silver | 139.9 grams per tonne |
| Gold | 15.9 grams per tonne |

**Comments:** selected sampling over 1.8 metres from the shaft
**Reference:** Property File - Desmond Currie [1987-12-07]: News Release - Exol Industries Inc. - Pitt Lake property

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**Ore Zone:** MAIN
**Category:** Assay/analysis
**Year:** 1980
**Report On:** N
**NI 43-101:** N

**Sample Type:** Grab

| Commodity | Grade |
|---|---|
| Silver | 285.2500 grams per tonne |
| Gold | 45.4000 grams per tonne |
| Copper | 0.4100 per cent |

**Comments:** A selected sample from main showing.
**Reference:** Assessment Report 8873.

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**Ore Zone:** VEIN
**Category:** Assay/analysis
**Year:** 1947
**Report On:** N
**NI 43-101:** N

**Sample Type:** Rock

| Commodity | Grade |
|---|---|
| Silver | 226.8 grams per tonne |
| Gold | 51.0 grams per tonne |

**Comments:**
**Reference:** Minister of Mines Annual Report 1947, page 179

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## *Capsule Geology*

The Standard workings occur from 120 to 180 metres elevation on the west side of Pitt Lake, about 24 kilometres north of the Pitt River bridge.

The area is underlain by dioritic intrusive rocks of the Jurassic to Tertiary Coast Plutonic Complex.

Locally, several narrow, parallel quartz-filled fractures were continuously traceable (as of the 1947 work program) for 76 metres in several open cuts, a short crosscut and drift and a shallow shaft. A parallel vein, 9 metres east, is traceable for 24 metres on surface. Mineralization occurs in a hornblende diorite. Joints are filled by narrow quartz veins or highly sheared amphibolite dikes. The quartz is mineralized with abundant pyrite and minor associated chalcopyrite and galena. The veins range from 5 to 30 centimetres in width.

In 1947, samples of the mineralized quartz veins assayed 4.8 to 51.0 grams per tonne gold and 28.3 to 226.8 grams per tonne silver (Minister of Mines Annual Report 1947, page 179).

Sampling between 1942 and 1979, is reported to have yielded from 5.8 to 129.6 grams per tonne gold and 34.2 to 667 grams per tonne silver (Property File - Exol Industries Inc. [1987-05-21]: No. 97 (1987) - Pitt Lake, Rob 15 and 16, Alpine).

In 1979, a 3.0 metre sample from the lake side of the shaft yielded 12.6 grams per tonne gold, 104 grams per tonne silver, 0.53 per cent lead and 0.78 per cent copper (Property File - Exol Industries Inc. [1987-05-21]: No. 97 (1987) - Pitt Lake, Rob 15 and 16, Alpine).

In 1980, a select sample from the main showing assayed 0.41 per cent copper, 285.25 grams per tonne silver and 45.40 grams per tonne gold (Assessment Report 8873).

In 1987, selected sampling from the shaft over 1.8 metres yielded 15.9 grams per tonne gold and 139.9 grams per tonne silver, with individual samples (no.4) from a “high-grade zone” yielding up to 236.5 grams per tonne gold and 1507 grams per tonne silver (Property File - Desmond Currie [1987-12-07]: News Release - Exol Industries Inc. - Pitt Lake property). Other samples (no. 11 and 13), taken from the north open-cut and south drift of the adit, yielded 89.3 and 87.9 grams per tonne gold, 732.5 and 638.5 grams per tonne silver, 0.84 and 0.37 per cent zinc, and 4.50 and 0.15 per cent lead with 0.41 and 1.97 per cent copper, respectively (Property File - Desmon Currie [1987-06-08]: News Release - Exol Industries Inc. - Pitt Lake Gold Property)

The Standard group of claims were staked in 1934 by E.C. Richardson and associates. The claim group was still held by Richardson and associates in 1947, when some work was done to extend a shaft and adit that were part of the workings that existed at 120 to 180 metres elevation. In 1950, owners E.C. Richardson and W.A Thompson drove an adit 62 metres west to explore the downward extension of two narrow veins. In 1980, Rodeo Resources conducted work on claims covering the Standard workings and a larger surrounding area. In 1980, the owners were B. Lang, E.C. Richardson and B. Langston. Work consisted of five trenches on the "main showing" area of the Linda claim, 135 soil samples and 13 silt samples. In 1987, Exol Industries examined and sampled the property.

## *Bibliography*


EMPR AR *1947-179; *1950-167
EMPR ASS RPT *8873
EMPR EXPL *1980-178
EMPR PF (*Exol Industries Inc. [1987-05-21]: No. 97 (1987) - Pitt Lake, Rob 15 and 16, Alpine; *Desmon Currie [1987-06-08]: News Release - Exol Industries Inc. - Pitt Lake Gold Property; *Desmond Currie [1987-12-07]: News Release - Exol Industries Inc. - Pitt Lake property)
GSC MAP 8-1956; 1151A; 1153A; 1386A
GSC MEM 335
GSC P 90-1F, pp. 95-107
GCNL #47, 1987
Armstrong, J.E. (1990): Vancouver Geology, Geological Association of Canada (Cordilleran Section)
Ditson, G.M. (1978): Metallogeny of the Vancouver-Hope Area, British Columbia, M.Sc. Thesis, University of British Columbia
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|---|---|---|---|---|---|
| **Date Coded:** | 1985/07/24 | **Coded By:** | BC Geological Survey (BCGS) | **Field Check:** | N |
| **Date Revised:** | 2019/02/01 | **Revised By:** | Karl A. Flower (KAF) | **Field Check:** | N |